

LODI UNIFIED SCHOOL DISTRICT

Building Demolition

PROJECT NUMBER: 0460-8460

DSA #:N/A

Henderson School

ADDENDUM NO. 1

March 13, 2020

Owner: Lodi Unified School District
1305 E. Vine Street
Lodi, CA 95240

Consultant: Terracon
1466 66th Street
Emeryville, CA 94608

Project Manager: Capital Program Management, Inc.
1851 Heritage Lane, Suite 210
Sacramento, CA 95815

This Addendum has been prepared to clarify, modify, delete, or add to the drawings and/or specifications for the above referenced project, and revisions to items listed here shall supersede description thereof prior to the above stated date. All conditions not specifically referenced here shall remain the same. It is the obligation of the Prime Contractor to make subcontractors aware of any items herein that may affect submitted bids.

Acknowledge receipt of this addendum by inserting its number and date in the bidding documents. Failure to do so may subject bidder to disqualification.

All addenda items refer to the plans and specifications unless specifically noted otherwise.

TOTAL PAGES IN THIS ADDENDUM (including attachments): 120

LODI UNIFIED SCHOOL DISTRICT

Building Demolition

PROJECT NUMBER: 0460-8460

DSA #:N/A

Henderson School

ADDENDUM NO. 1

PART A - BIDDING AND CONTRACT REQUIREMENTS

- 1.1 The bid date has not changed. Bids are due **Thursday, March 19, 2020 by 2:00:00 p.m.** at the District Office, 1305 E. Vine Street Lodi California 95240.
- 1.2 Refer to Document 00 41 13 – Bid Form and Proposal
 - 1.2.1 **Replace** in its entirety with the attached “Bid Form and Proposal” Document 00 41 13, Addendum No. 1.
- 1.3 Refer to Document 00 52 13 – Agreement
 - 1.3.1 **Replace** in its entirety with the attached “Agreement” Document 00 52 13, Addendum No. 1.
- 1.4 **Add** Document 00 57 00 – Escrow Agreement in Lieu of Retention, Addendum No. 1.
- 1.5 Refer to Document 01 21 00 – Allowance
 - 1.5.1 **Replace** in its entirety with the attached “Allowance” Document 01 21 00, Addendum No. 1.

PART B - TECHNICAL REQUIREMENTS

- 1.6 **Refer** to Terracon NA207024 Soil Sampling and Analysis Report, dated March 13, 2020.
- 1.7 Refer to Document “Asbestos and Lead Specifications: **02 08 00, 1.3, K.**
 - 1.7.1 **Replace** paragraph K with the following:

“During removal activities, the Contractor shall protect against contamination of soil, water, plant life, sensitive building finishes, adjacent building areas, and shall ensure that there is no airborne release of dusts. Furthermore, the Contractor shall ensure that there is no airborne release of dust associated with the soils that surround the building, and soil disturbance should be minimized during all activities. The District may collect air samples in the building and in adjacent areas to evaluate the Contractor’s performance. Evidence of settled dust or airborne levels of contaminants above background will require the implementation of additional controls at no increase to contract price.”

PART C - DRAWINGS

- 1.8 Not used

LODI UNIFIED SCHOOL DISTRICT

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ADDENDUM NO. 1

PART D – RESPONSES TO CONTRACTOR QUESTIONS

1.9 Not used

PART E – List of Attachments

- 1.9 Pre-bid Conference & Site Visit Agenda (1 page)
- 1.10 Pre-Bid Conference & Site Visit Sign-In Sheet (2 pages)
- 1.11 Document 00 41 13 – Bid Form and Proposal (4 Pages)
- 1.12 Document 00 52 13 – Agreement (4 Pages)
- 1.13 Document 00 57 00 – Escrow Agreement in Lieu of Retention (3 Pages)
- 1.14 Document 01 21 00 – Allowance (1 Page)
- 1.15 Terracon NA207024 Soil Sampling and Analysis Report, March 13, 2020 (102 Pages)

End of Addendum

**Lodi Unified School District
Project No. 0460-8460
Henderson School Building Demolition**

PRE-BID CONFERENCE & SITE VISIT AGENDA

Date: Wednesday February 26, 2020 **Time:** 3:00 p.m.
School: 0460-8460 Henderson School
Bid Date: Thursday, March 19, 2020 by 2:00:00 p.m.

- I. **Meeting Called to Order**
- II. **Introduction of Project Team**
 - A. District Representative, Vickie Brum and Joe Patty, Planning & Facilities
 - B. Capital Program Management, Craig Dooling and Dany J. Mendez
 - C. Terracon, William Frieszell
- III. **Bidding Documents:** Available from District <https://www.lodiusd.net/district/departments/business-services/facilities-and-planning/fp-projects>
- IV. **Contracting Format:** (1) Prime Contract
- V. **Scope of Work Descriptions:** Document 01 11 00 Part 1.02 A Summary of Work and Exhibits.
- VI. **Engineer's Estimated Construction Budget: Henderson \$250,000.**
- VII. **Bidding and Contract Award Requirements:**
 - A. License requirement(s): Class A plus C-21 and C-22 or Class B plus C-21 and C-22
 - B. Bid Bond or Certified Check, 10% of bid
 - C. Prevailing Wages - certified payrolls, payroll records and other documents shall be required along with your progress billings: www.dir.ca.gov/dlsr/DPreWageDetermination.htm
 - D. DIR Registration of Contractor & Subcontractors (See General Conditions, Section 00 72 13)
 - E. Disabled Veterans Business Enterprise (DVBE – Section 00 45 46.02)
 - F. Bond and Insurance Requirements (See General Conditions, Section 00 72 13)
 - G. Bid Form (See Bid Form, Section 00 41 13):
 - 1. Completed Forms
 - 2. No exclusions
 - 3. No faxes, phone or email bids
 - 4. Bids good for 90 days
 - H. Pre-Qualified Bid Requirements - <https://pqbids.com/lodi/>
- VIII. **Inspection Procedures:** DSA Project Inspector: NA
- IX. **Limited Pre-Demolition Asbestos and Lead Survey Report:** Exhibit A
 - A. Negative pressure containment requirements (See Asbestos and Lead Specification, Section 02 08 00)
- X. **Project Schedule:** See List of Schedules, Section 00 01 20. Construction start is June 1, 2020 and completion date is July 17, 2020.
- XI. **Department of Justice (DOJ) Clearance, Badges and Security:** District Protocols
- XII. **Site Information:**
 - A. Contact: Dany Mendez, 916-779-5921
 - B. Site access, temporary facilities, staging areas and parking
 - C. Conduct on school premises: No dialogue or contact with students, no smoking or tobacco and all employees on site are to conduct themselves professionally.
 - D. Contractor's working hours: 7:00 am – 3:30 pm
 - E. Contractor's supervision: the designated Superintendent must be present at all times when subcontractors or self-performance work is taking place.
- XIII. **Site Visits:**
 - A. Henderson School – 13451 N. Extension Road Lodi, CA 95242
- XIV. **Questions**
- XV. **Adjournment**

Important note: Responses to inquiries and discussions occurring at this pre-bid walk-through shall in no way change or modify the bid documents. The bid documents will be affected only by addenda issued prior to the bid date.

Send written inquiries by end of day March 06, 2020 to: Dany J. Mendez, danym@capitalpm.com

Lodi Unified School District
 PRE-BID CONFERENCE AND SITE VISIT SIGN-IN SHEET FOR
 PROJECT NO. 0460-8460

Henderson School Building Demolition
 Wednesday, February 26, 2020
 3:00 PM

Company Name & Representative	Company Street Address	Phone #	E-Mail	Henderson ES Check out
Resource Env. Benjamin S	Long Beach CA	562-468-7000	bid@resource-env.com	
Two Rivers Demo Julie Arriscunt	Mercantile Dr Rancho Cordova	916 675-6725	tonyad@demotionglobal.com	
JM Environmental	213 Ken Roy Ln Roseville, CA	916-919-2575	elroy.klem@JMenu.com	
Ampco North	1630 S SunKist St. Anaheim	714-740-7841	epete2@ampconorth.com	
AM6	3438 HELEN ST OAKLAND CA	4155963139	CAGUILAR@AM6OFCA.COM	
DOUBLE B Demolition	640 GLENDALE ST FOLSOM CA 95630	916 439 8022	Bob@DOUBLE B Demolition.com	
WEST COAST ENVIRONMENTAL	3181 FITZGERALD ROAD RANCHO CORDOVA, CA 95742	916-852-7200	KEVINWCE@ATT.NET	
Bowen ENR & ENV	4664 S. Cedar Ave FRESNO, CA 93725	559-233-7464	bawndemo@yahoo.com	
YELTON CO INC	PO BOX 2360 Vacaville 189 WINTON COURT FAIRFIELD, CA 94534	707 451 3366	CHARLIE@YELTON COMPANY INC.COM	
DSGI	FAIRFIELD, CA 94534	707 580 3545	ACHICARINO@DSGI.CO	
WC Maloney Inc	2040 Newton Rd STAN 95213	209 623 8007	cjohnson@wcmaloney.com	
PALS	PO BOX 81986 Stockton CA	209 244 7106	Jason@palscorp.com	
Sierra Excavating	356 S. Geo. Wash. Blvd. Yuba CITY CA	530-671-6782	sierraexcavating@outlook.com	
AFM Environmental	752 Northport Dr #C WEST SACRAMENTO	916-374-9526	AFMENVIRO@aol.com	
CUE	4263 W. Sclland Ave FRESNO CA	661-387-4009	ryan@cuecorp.com	
P+P Building Wrecking Inc	8589 Florin Rd, Sacramento CA 95828	916 383 6198	pnpino@yahoo.com	

DOCUMENT 00 41 13

BID FORM AND PROPOSAL

To: Governing Board of the Lodi Unified School District ("District" or "Owner")

From: _____
(Proper Name of Bidder)

The undersigned declares that Bidder has read and understands the Contract Documents, including, without limitation, the Notice to Bidders and the Instructions to Bidders, and agrees and proposes to furnish all necessary labor, materials, and equipment to perform and furnish all work in accordance with the terms and conditions of the Contract Documents, including, without limitation, the Drawings and Specifications of Bid No. 0460-8460 for the following project known as:

Building Demolition at Henderson School – Project #0460-8460

1. ("Project" or "Contract") and will accept in full payment for that Work the following total lump sum amount, all taxes included:

_____	dollars	\$ _____
TOTAL BASE BID		

2. **Additive/Deductive Alternates:** Not Used.

3. **Allowances:** The Bidder's Base Bid shall **NOT** include the following potential Allowance(s). The District will add some or all of the following Allowance(s) amount(s) to the successful bidder's Contract, at the District's discretion. Contractor shall be permitted to invoice for Work under an Allowance in the identical structure as a Change Order.

Henderson School (0460-8460) Allowance #1: Allowance for unforeseen conditions at Henderson School.	\$100,000.00
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Additional Detail Regarding Calculation of Base Bid

1. **Unit Prices** (Not Used).
2. **Allowance**. The Bidder's Base Bid shall not include an allowance for unforeseen items, see Bid Form. The above allowance shall only be allocated for unforeseen items relating to the Work. Contractor shall not bill for or be due any portion of this allowance unless the District has identified specific work, Contractor has submitted a price for that work or the District has proposed a price for that work, the District has accepted the cost for that work, and the District has prepared an Allowance Expenditure Directive incorporating that work. Contractor hereby authorizes the District to execute a unilateral deductive change order at or near the end of the Project for all or any portion of the allowance not allocated.
3. **OCIP**. Not Used:
4. The undersigned has reviewed the Work outlined in the Contract Documents and fully understands the scope of Work required in this Proposal, understands the construction and project management function(s) is described in the Contract Documents, and that each Bidder who is awarded a contract shall be in fact a prime contractor, not a subcontractor, to the District, and agrees that its Proposal, if accepted by the District, will be the basis for the Bidder to enter into a contract with the District in accordance with the intent of the Contract Documents.
5. The undersigned has notified the District in writing of any discrepancies or omissions or of any doubt, questions, or ambiguities about the meaning of any of the Contract Documents, and has contacted the Construction Manager before bid date to verify the issuance of any clarifying Addenda.
6. The undersigned agrees to commence work under this Contract on the date established in the Contract Documents and to complete all work within the time specified in the Contract Documents.
7. The liquidated damages clause of the General Conditions and Agreement is hereby acknowledged.
8. It is understood that the District reserves the right to reject this bid and that the bid shall remain open to acceptance and is irrevocable for a period of ninety (90) days.
9. The following documents are attached hereto:
 - Bid Bond on the District's form or other security
 - Designated Subcontractors List
 - Site Visit Certification
 - Non-Collusion Declaration
 - DVBE Certificate

10. Receipt and acceptance of the following Addenda is hereby acknowledged:

No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____

11. Bidder acknowledges that the license required for performance of the Work is a _____ license.
12. Bidder hereby certifies that Bidder is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.
13. Bidder specifically acknowledges and understands that if it is awarded the Contract, that it shall perform the Work of the Project while complying with all requirements of the Department of Industrial Relations.
14. Bidder hereby certifies that its bid includes sufficient funds to permit Bidder to comply with all local, state or federal labor laws or regulations during the Project, including payment of prevailing wage, and that Bidder will comply with the provisions of Labor Code section 2810(d) if awarded the Contract
15. Project Labor Agreement (Not used).
16. Federal Funds (Not used).
17. Bidder represents that it is competent, knowledgeable, and has special skills with respect to the nature, extent, and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work that may create, during the Work, unusual or peculiar unsafe conditions hazardous to persons and property.
18. Bidder expressly acknowledges that it is aware of such peculiar risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the Work with respect to such hazards.
19. Bidder expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms "claim" and "knowingly" are defined in the California False Claims Act, Gov. Code, § 12650 et seq.), the District will be entitled to civil remedies set forth in the California False Claim Act. It may also be considered fraud and the Contractor may be subject to criminal prosecution.

20. The undersigned Bidder certifies that it is, at the time of bidding, and shall be throughout the period of the Contract, licensed by the State of California to do the type of work required under the terms of the Contract Documents and registered as a public works contractor with the Department of Industrial Relations. Bidder further certifies that it is regularly engaged in the general class and type of work called for in the Contract Documents.

Furthermore, Bidder hereby certifies to the District that all representations, certifications, and statements made by Bidder, as set forth in this bid form, are true and correct and are made under penalty of perjury.

Dated this _____ day of _____ 20 ____

Name of Bidder: _____

Type of Organization: _____

Signed by: _____

Title of Signer: _____

Address of Bidder: _____

Taxpayer Identification No. of Bidder: _____

Telephone Number: _____

Fax Number: _____

E-mail: _____ Web Page: _____

Contractor's License No(s): No.: _____ Class: _____ Expiration Date: _____

No.: _____ Class: _____ Expiration Date: _____

No.: _____ Class: _____ Expiration Date: _____

Public Works Contractor Registration No.: _____

END OF DOCUMENT

DOCUMENT 00 52 13

AGREEMENT

THIS AGREEMENT IS MADE AND ENTERED INTO THIS _____ DAY OF _____
_____, 20____, by and between the Lodi Unified School District ("District") and _____
_____ ("Contractor") ("Agreement").

WITNESSETH: That the parties hereto have mutually covenanted and agreed, and by these presents do covenant and agree with each other, as follows:

1. **The Work:** Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, and material necessary to perform and complete in a good and workmanlike manner, the work of the following project:

Building Demolition – Henderson School – Project #0460-8460

("Project" or "Contract" or "Work")

It is understood and agreed that the Work shall be performed and completed as required in the Contract Documents including, without limitation, the Drawings and Specifications and submission of all documents required to secure funding or by the Division of the State Architect for close-out of the Project, under the direction and supervision of, and subject to the approval of, the District or its authorized representative.

2. **The Contract Documents:** The complete Contract consists of all Contract Documents as defined in the General Conditions and incorporated herein by this reference. Any and all obligations of the District and Contractor are fully set forth and described in the Contract Documents. All Contract Documents are intended to cooperate so that any Work called for in one and not mentioned in the other or vice versa is to be executed the same as if mentioned in all Contract Documents.
3. **Interpretation of Contract Documents:** Should any question arise concerning the intent or meaning of Contract Documents, including the Drawings or Specifications, the question shall be submitted to the District for interpretation. If a conflict exists in the Contract Documents, valid, written modifications, beginning with the most recent, shall control over this Agreement (if any), which shall control over the Special Conditions, which shall control over any Supplemental Conditions, which shall control over the General Conditions, which shall control over the remaining Division 0 documents, which shall control over Division 1 Documents which shall control over Division 2 through Division 49 documents, which shall control over figured dimensions, which shall control over large-scale drawings, which shall control over small-scale drawings. In no case shall a document calling for lower quality and/or quantity material or workmanship control. The decision of the District in the matter shall be final.
4. **Time for Completion:** It is hereby understood and agreed that the Work under this Contract shall be completed within **forty seven (47)** consecutive calendar days ("Contract Time") from the date specified in the District's Notice to Proceed.

5. **Completion - Extension of Time:** Should the Contractor fail to complete this Contract, and the Work provided herein, within the time fixed for completion, due allowance being made for the contingencies provided for herein, the Contractor shall become liable to the District for all loss and damage that the District may suffer on account thereof. The Contractor shall coordinate its Work with the Work of all other contractors. The District shall not be liable for delays resulting from Contractor's failure to coordinate its Work with other contractors in a manner that will allow timely completion of Contractor's Work. Contractor shall be liable for delays to other contractors caused by Contractor's failure to coordinate its Work with the Work of other contractors.
6. **Liquidated Damages:** Time is of the essence for all work under this Agreement. It is hereby understood and agreed that it is and will be difficult and/or impossible to ascertain and determine the actual damage that the District will sustain in the event of and by reason of Contractor's delay; therefore, Contractor agrees that it shall pay to the District the sum of five hundred Dollars (\$500.00) per day per day as liquidated damages for each and every day's delay beyond the time herein prescribed in finishing the Work.

It is hereby understood and agreed that this amount is not a penalty.

In the event that any portion of the liquidated damages is not paid to the District, the District may deduct that amount from any money due or that may become due the Contractor under this Agreement, and such deduction does not constitute a withholding or penalty. The District's right to assess liquidated damages is as indicated herein and in the General Conditions.

The time during which the Contract is delayed for cause, as hereinafter specified, may extend the time of completion for a reasonable time as the District may grant, provided that Contractor has complied with the claims procedure of the Contract Documents. This provision does not exclude the recovery of damages by either party under other provisions in the Contract Documents.

7. **Loss Or Damage:** The District and its agents and authorized representatives shall not in any way or manner be answerable or suffer loss, damage, expense, or liability for any loss or damage that may happen to the Work, or any part thereof, or in or about the same during its construction and before acceptance, and the Contractor shall assume all liabilities of every kind or nature arising from the Work, either by accident, negligence, theft, vandalism, or any cause whatsoever; and shall hold the District and its agents and authorized representatives harmless from all liability of every kind and nature arising from accident, negligence, or any cause whatsoever.
8. **Insurance and Bonds:** Prior to issuance of the Notice to Proceed by the District, Contractor shall provide all required certificates of insurance, insurance endorsements, and payment and performance bonds as evidence thereof.
9. **Prosecution of Work:** If the Contractor should neglect to prosecute the Work properly or fail to perform any provisions of this Contract, the District, may, pursuant to the General Conditions and without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor.

10. **Authority of Architect, Project Inspector, and DSA:** Contractor hereby acknowledges that the Architect(s), the Project Inspector(s), and the Division of the State Architect ("DSA") have authority to approve and/or suspend Work if the Contractor's Work does not comply with the requirements of the Contract Documents, Title 24 of the California Code of Regulations, and all applicable laws and regulations. The Contractor shall be liable for any delay caused by its non-compliant Work.
11. **Assignment of Contract:** Neither the Contract, nor any part thereof, nor any moneys due or to become due thereunder, may be assigned by the Contractor without the prior written approval of the District, nor without the written consent of the Surety on the Contractor's Performance Bond (the "Surety"), unless the Surety has waived in writing its right to notice of assignment.
12. **Classification of Contractor's License:** Contractor hereby acknowledges that it currently holds valid Class A plus C-21 and C-22 or Class B plus C-21 and C-22 Contractor's license(s) issued by the State of California, Contractors' State License Board, in accordance with division 3, chapter 9, of the Business and Professions Code and in the classification called for in the Contract Documents.
13. **Registration as Public Works Contractor:** The Contractor and all Subcontractors currently are registered as public works contractors with the Department of Industrial Relations, State of California, in accordance with Labor Code section 1771.1.
14. **Payment of Prevailing Wages:** The Contractor and all Subcontractors shall pay all workers on all Work performed pursuant to this Contract not less than the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work as determined by the Director of the Department of Industrial Relations, State of California, for the type of work performed and the locality in which the work is to be performed within the boundaries of the District, pursuant to sections 1770 et seq. of the California Labor Code.
15. This Project is subject to labor compliance monitoring and enforcement by the Department of Industrial Relations pursuant to Labor Code section 1771.4 and Title 8 of the California Code of Regulations. Contractor specifically acknowledges and understands that it shall perform the Work of this Agreement while complying with all the applicable provisions of Division 2, Part 7, Chapter 1, of the Labor Code, including, without limitation, the requirement that the Contractor and all of its Subcontractors shall timely submit complete and accurate electronic certified payroll records as required by the Contract Documents, or the District may not issue payment.
16. **Contract Price:** In consideration of the foregoing covenants, promises, and agreements on the part of the Contractor, and the strict and literal fulfillment of each and every covenant, promise, and agreement, and as compensation agreed upon for the Work and construction, erection, and completion as aforesaid, the District covenants, promises, and agrees that it will well and truly pay and cause to be paid to the Contractor in full, and as the full Contract Price and compensation for construction, erection, and completion of the Work hereinabove agreed to be performed by the Contractor, the following price:

_____ Dollars (\$_____)

Allowance #1 – Henderson School \$100,000.00

TOTAL CONTRACT PRICE:

_____ (\$_____)

in lawful money of the United States, which sum is to be paid according to the schedule provided by the Contractor and accepted by the District and subject to additions and deductions as provided in the Contract. This amount supersedes any previously stated and/or agreed to amount(s).

- 17. **No Representations:** No representations have been made other than as set forth in writing in the Contract Documents, including this Agreement. Each of the Parties to this Agreement warrants that it has carefully read and understood the terms and conditions of this Agreement and all Contract Documents, and that it has not relied upon the representations or advice of any other Party or any attorney not its own.
- 18. **Entire Agreement:** The Contract Documents, including this Agreement, set forth the entire agreement between the parties hereto and fully supersede any and all prior agreements, understandings, written or oral, between the parties hereto pertaining to the subject matter thereof.
- 19. **Severability:** If any term, covenant, condition, or provision in any of the Contract Documents is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions in the Contract Documents shall remain in full force and effect and shall in no way be affected, impaired, or invalidated thereby.

IN WITNESS WHEREOF, accepted and agreed on the date indicated above:

CONTRACTOR

LODI UNIFIED SCHOOL DISTRICT

By: _____

By: _____

Title: _____

Title: _____

Contractor License No. _____

DIR Registration No. _____

NOTE: If the party executing this Contract is a corporation, a certified copy of the by-laws, or of the resolution of the Board of Directors, authorizing the officers of said corporation to execute the Contract and the bonds required thereby must be attached hereto.

END OF DOCUMENT

DOCUMENT 00 57 00

ESCROW AGREEMENT IN LIEU OF RETENTION
(Public Contract Code Section 22300)

(Note: Contractor must use this form.)

This Escrow Agreement in Lieu of Retention ("Escrow Agreement") is made and entered into this _____ day of _____, 20____, by and between the Lodi Unified School District ("District"), whose address is 1305 E. Vine Street , Lodi , California 95240 , and _____ ("Contractor"), whose address is _____, and _____ ("Escrow Agent"), a state or federally chartered bank in the state of California, whose address is _____.

For the consideration hereinafter set forth, District, Contractor, and Escrow Agent agree as follows:

1. Pursuant to section 22300 of Public Contract Code of the State of California, which is hereby incorporated by reference, Contractor has the following two (2) options:
 - Deposit securities with Escrow Agent as a substitute for retention earnings required to be withheld by District pursuant to the Construction Contract No. _____ entered into between District and Contractor for the _____ Project, in the amount of _____ Dollars (\$ _____) dated, _____, 20____, (the "Contract"); **or**
 - On written request of Contractor, District shall make payments of the retention earnings for the above referenced Contract directly to Escrow Agent.

When Contractor deposits the securities as a substitute for Contract earnings (first option), Escrow Agent shall notify District within ten (10) calendar days of the deposit. The market value of the securities at the time of substitution and at all times from substitution until the termination of the Escrow Agreement shall be at least equal to the cash amount then required to be withheld as retention under the terms of the Contract between District and Contractor.

Securities shall be held in the name of Lodi Unified School District, and shall designate Contractor as beneficial owner.

2. District shall make progress payments to Contractor for those funds which otherwise would be withheld from progress payments pursuant to Contract provisions, provided that Escrow Agent holds securities in form and amount specified above.
3. When District makes payment of retentions earned directly to Escrow Agent, Escrow Agent shall hold them for the benefit of Contractor until the time that the escrow created under this Escrow Agreement is terminated. Contractor may direct the investment of the payments into securities. All terms and conditions of this Escrow Agreement and the rights and responsibilities of the Parties shall be equally applicable and binding when District pays Escrow Agent directly.

4. Contractor shall be responsible for paying all fees for the expenses incurred by Escrow Agent in administering the Escrow Account, and all expenses of District. The District will charge Contractor \$_____ for each of District’s deposits to the escrow account. These expenses and payment terms shall be determined by District, Contractor, and Escrow Agent.
5. Interest earned on securities or money market accounts held in escrow and all interest earned on that interest shall be for sole account of Contractor and shall be subject to withdrawal by Contractor at any time and from time to time without notice to District.
6. Contractor shall have the right to withdraw all or any part of the principal in the Escrow Account only by written notice to Escrow Agent accompanied by written authorization from District to Escrow Agent that District consents to withdrawal of amount sought to be withdrawn by Contractor.
7. District shall have the right to draw upon the securities and/or withdraw amounts from the Escrow Account in the event of default by Contractor. Upon seven (7) days’ written notice to Escrow Agent from District of the default, if applicable, Escrow Agent shall immediately convert the securities to cash and shall distribute the cash as instructed by District. Escrow Agent shall not be authorized to determine the validity of any notice of default given by District pursuant to this paragraph, and shall promptly comply with District’s instructions to pay over said escrowed assets. Escrow Agent further agrees to not interplead the escrowed assets in response to a conflicting demand.
8. Upon receipt of written notification from District certifying that the Contract is final and complete, and that Contractor has complied with all requirements and procedures applicable to the Contract, Escrow Agent shall release to Contractor all securities and interest on deposit less escrow fees and charges of the Escrow Account. The escrow shall be closed immediately upon disbursement of all monies and securities on deposit and payments of fees and charges.
9. Escrow Agent shall rely on written notifications from District and Contractor pursuant to Paragraphs 5 through 8, inclusive, of this Escrow Agreement and District and Contractor shall hold Escrow Agent harmless from Escrow Agent's release and disbursement of securities and interest as set forth above.

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10. Names of persons who are authorized to give written notice or to receive written notice on behalf of District and on behalf of Contractor in connection with the foregoing, and exemplars of their respective signatures are as follows:

On behalf of District:

On behalf of Contractor:

Title

Title

Name

Name

Signature

Signature

Address

Address

On behalf of Escrow Agent:

Title

Name

Signature

Address

At the time that the Escrow Account is opened, District and Contractor shall deliver to Escrow Agent a fully executed copy of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement by their proper officers on the date first set forth above.

On behalf of District:

On behalf of Contractor:

Title

Title

Name

Name

Signature

Signature

Address

Address

END OF DOCUMENT

DOCUMENT 01 21 00

ALLOWANCE

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Non-specified work.

1.2 RELATED SECTIONS

A. Document 01 10 00 (Summary of Work)

B. Document 01 29 00 (Payments and Completion)

C. Document 01 32 19 (Submittal Procedures)

1.3 ALLOWANCES

A. Included in the Contract, a stipulated sum/price of **One Hundred Thousand Dollars (\$100,000)** as an allowance for Unforeseen Conditions within the limits set forth in the Bridging Documents. This Allowance shall not be utilized without written approval by the District.

B. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding and equipment rental will be included in Allowance Expenditure Directive authorizing expenditure of funds from this Allowance.

C. Funds will be drawn from Allowance only with District approval evidenced by an Allowance Expenditure Directive.

D. At Contract closeout, funds remaining in Allowance will be credited to District by Change Order.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

END OF DOCUMENT

March 13, 2020



Lodi Unified School District
c/o Capital Program Management
1305 East Vine Street
Lodi, California 95240

Attn: Mr. Dany Mendez
P: (916) 553-4400
E: danym@capitalpm.com

Re: Soil Sampling and Analysis
Henderson Middle School – Original Classroom Building
13451 North Extension Road, Lodi, California 95240
Terracon Project No. NA207024

Dear Mr. Mendez:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to provide a summary of the sampling and analysis at the above referenced site.

1.0 PROJECT INFORMATION

Terracon was contacted by Capital Program Management on behalf of Lodi Unified School District (LUSD) to provide professional services, equipment, and materials to sample the perimeter soil beneath the walls and at “step-out” locations, at the original classroom building located at 13451 North Extension Road in Lodi, California (see Exhibit 1 – Topographic Map and Exhibit 2 – Site Diagram).

2.0 SCOPE OF SERVICES

A total of 20 soil samples, including both discrete and composite samples, were collected from the perimeter of the original classroom building to investigate total lead concentrations in shallow soil. This scope of work was based on the recommendations provided in Terracon’s Limited Pre-Demolition Hazardous Materials Survey Report, dated March 13, 2019, which identified lead paint content in the exterior wall samples collected during the survey. This scope investigated the drip area beneath the walls, as well as step-out samples approximately six feet away from the walls to investigate the lateral extent of the potential impact. Terracon conducted this investigation and sampling on March 6, 2020, and submitted samples for chemical analyses to Pace Analytical National Laboratories, a California Environmental Laboratory Accreditation Program (ELAP) certified laboratory. Terracon requested laboratory analyses from the 20 shallow samples for analysis of:



SUMMARY SOIL SAMPLING AND ANALYSIS

Henderson Middle School – Original Classroom Building ■ Lodi, California

March 13, 2020 ■ Terracon Project No. NA207024

- n Total California Administrative Manual (CAM-17) Total Lead by EPA Method 6010B;

The analytical laboratory reported that the samples were received in proper containers and within method specified holding times. As stated in the analytical case narrative, the laboratory followed strict internal quality assurance procedures and reported results on a dry weight basis.

Data packages were checked for completeness upon receipt from the laboratory to ensure that data and QA/QC information requested were present. Data quality was assessed by considering holding times, surrogate recovery, method blanks, matrix spike and matrix spike duplicate recovery, and method reporting limits. Based upon our interpretation of quality control information provided by the laboratory, the data presented herein should be considered valid.

3.0 DATA EVALUATION

Terracon reviewed the laboratory reports and compared the results to the California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Note 3 – modified Screening Levels (SLs) – April 2019 for receptor and endpoint. A summary of analytical testing results and ESLs is shown on Table 1 and discussed below.

- n Laboratory analytical results indicate that concentrations of lead, ranging from 113 to 7,820 milligrams per kilogram (mg/Kg), were detected in either discrete or composite soil samples collected during the investigation. Concentrations of lead in soil samples were distributed as follows:
 - o Ranging from 1,390 mg/Kg (SS-E-D-1" COMP) to 7,820 mg/Kg (SS-W-D-1" COMP) in composite soil samples collected from a depth of approximately 1 inch below grade surface (bgs) beneath the drip area of the building,
 - o Ranging from 271 mg/Kg (SS-W-D-6" COMP) to 1,550 mg/Kg (SS-E-D-6" COMP) in composite soil samples collected from a depth of approximately 6 inches bgs beneath the drip area of the building,
 - o Ranging from 145 mg/Kg (SS-S-S-1" COMP) to 641 mg/Kg (SS-W-S-1" COMP) in composite soil samples collected from a depth of approximately 1 inch from the step-out locations (approximately 6 feet away from the building),
 - o Ranging from 113 mg/Kg (SS-W-S-6" COMP) to 120 mg/Kg (SS-S-S-6" COMP) in composite samples collected from a depth of 6 inches from the step-out locations,

SUMMARY SOIL SAMPLING AND ANALYSIS

Henderson Middle School – Original Classroom Building ■ Lodi, California

March 13, 2020 ■ Terracon Project No. NA207024

- Ranging from 157 mg/Kg (SS-E-S-24-1”) to 2,640 mg/Kg (SHED-E-D-1”) in discrete samples collected from the drip area or step-out locations.
- n In general, the highest concentrations of lead were detected in the samples collected from within the drip area of the building at a depth of approximately 1-inch bgs.
- n The lead concentrations detected in the 20 samples collected exceed the screening level (SL) for residential land use of 80 mg/Kg, and several concentrations exceed the screening level for commercial/industrial land use of 320 mg/Kg.
- n According to the United States Geological Survey (USGS) ¹ surficial background lead concentrations in soil in the area of the site range between 18.1 to 20.0 mg/Kg. The lead concentrations detected in the soil samples collected at the site are above the background concentrations reported by the USGS for the area.

The laboratory analytical report and chain of custody forms are included as an attachment.

4.0 DISCUSSION AND RECOMMENDATIONS

A total of 10 discrete soil samples were collected at the site, two (2) from the east side of the building and eight (8) from the small shed located in the northwest corner of the site. In addition, a total of 10 composite soil samples were collected from within the south, west, and east sides of the building. No samples were collected from the north side of the building due to the asphalt meeting the edge of the building in this area resulting in no exposed soil. The discrete and composite samples were analyzed following EPA-approved methodology by Pace Analytical, a California-certified laboratory.

Lead was detected at concentrations above the laboratory reporting limit. According to the USGS, the naturally occurring background concentration of lead in shallow soil in this area is between approximately 18.1 and 20.0 mg/Kg. Lead concentrations in soil samples collected at the site exceed the naturally occurring background concentration. Therefore, it is likely that the lead detected is a result of weathering and degraded building materials associated with lead-based paint. In addition, the detected lead concentrations exceed the DTSC-SLs for direct exposure under residential and/or commercial/industrial land use scenarios.

Based on laboratory reported results, and human health screening levels provided by the DTSC, the soil may not be used for fill material for residential or commercial/industrial land use; furthermore, reuse of this soil in sensitive receptor locations (i.e., schools) is also not recommended.

¹ [USGS Mineral Resource On-Line Spatial Data Base](#)

SUMMARY SOIL SAMPLING AND ANALYSIS

Henderson Middle School – Original Classroom Building ■ Lodi, California
March 13, 2020 ■ Terracon Project No. NA207024

The analytical results of the soil samples indicate that this soil is a regulated waste and currently would be profiled as a California Hazardous Waste, however, based on additional recommended solubility testing (Toxicity Characteristic Leaching Procedure) the soil may have a RCRA Hazardous Waste classification.

Based on data evaluation and discussion Terracon has the following recommendations:

- Terracon recommends that soil samples SS-W-D-1" COMP and SS-W-S-6" COMP be analyzed by TCLP to further characterize the soil to support future waste management activities.
- Terracon recommends that the District uses an abatement contractor that complies with Federal and California OSHA regulations during construction activities that impact lead-containing paint. Dust suppression and minimal soil disturbance is recommended during all abatement and demolition activities.
- Terracon recommends that the District consider post-demolition soil sampling after the building has been abated and demolished to delineate the lateral and vertical extent of the lead-impacted soil at the site. The recommended soil investigation would also assist in characterizing soil for disposal activities.
- If soils are to be disturbed during planned future activities, Terracon recommends that proper procedures be followed with respect to worker health and safety. In addition, impacted soil should be properly characterized, treated, and/or disposed in accordance with applicable local, state or federal regulations. A soil management plan (SMP) should be considered to assist in ensuring that these issues are addressed.

Terracon appreciate the opportunity to provide this information and look forward to working with Capital Project Management in the future.

If you should have any questions or comments regarding this report, please contact either of the undersigned at (209) 367-3701.

Sincerely,

Terracon

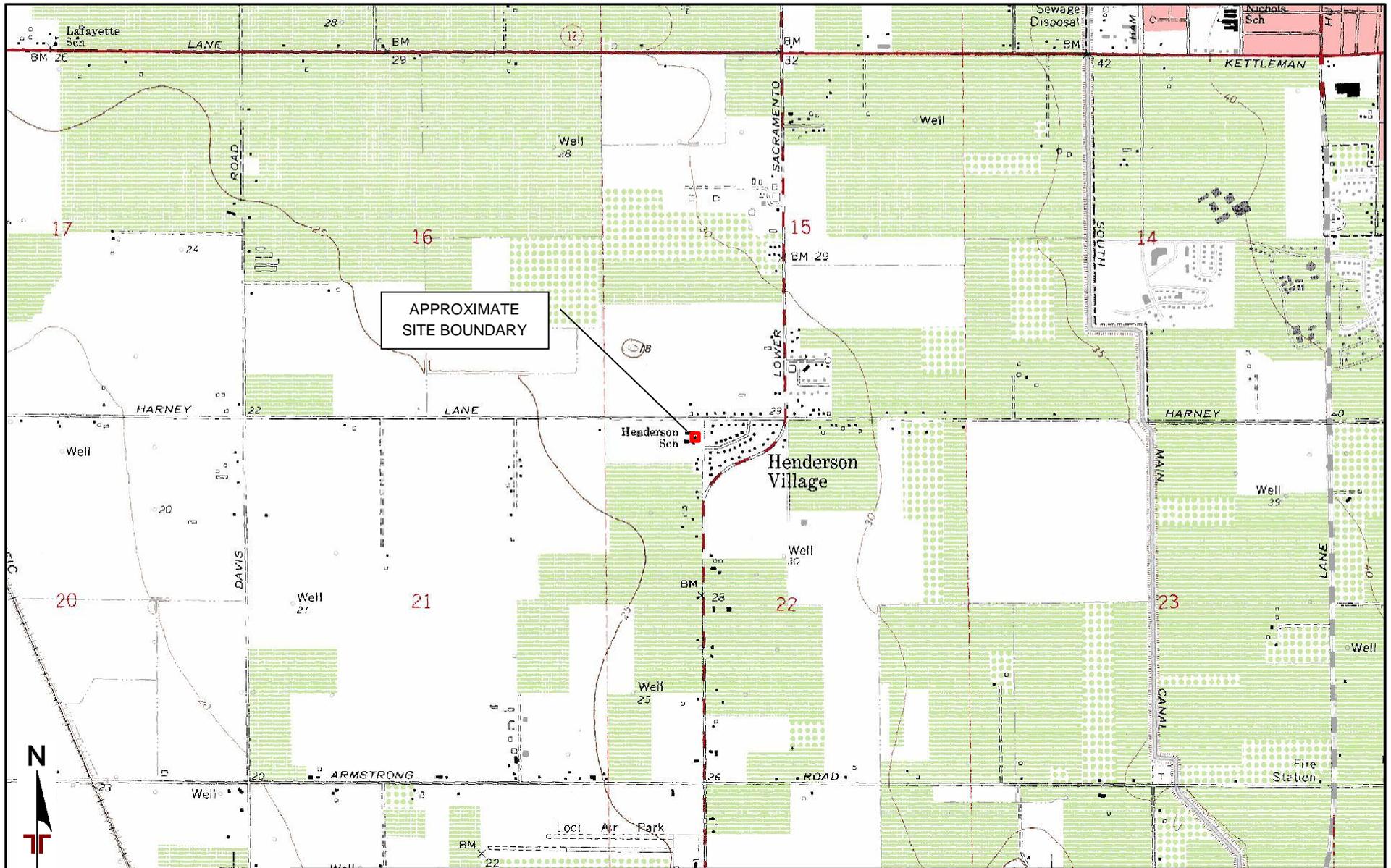


Tony P. Mikacich
Environmental Department Manager



Fabio M. Minervini, P.G.
Professional Geologist

Attachments: Exhibit 1 – Topographic Map
Exhibit 2 – Site Diagram
Table 1 – Summary of Soil Sample Analytical Results
Laboratory Reports



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: LODI SOUTH, CA
 (1/1/1976).

DIAGRAM IS FOR GENERAL LOCATION ONLY,
 AND IS NOT INTENDED FOR CONSTRUCTION
 PURPOSES

Project Manager:	TM	Project No.	NA207024
Drawn by:	TKW	Scale:	1"=2,000'
Checked by:	TM	File Name:	N/A
Approved by:	FMM	Date:	MAR 2020

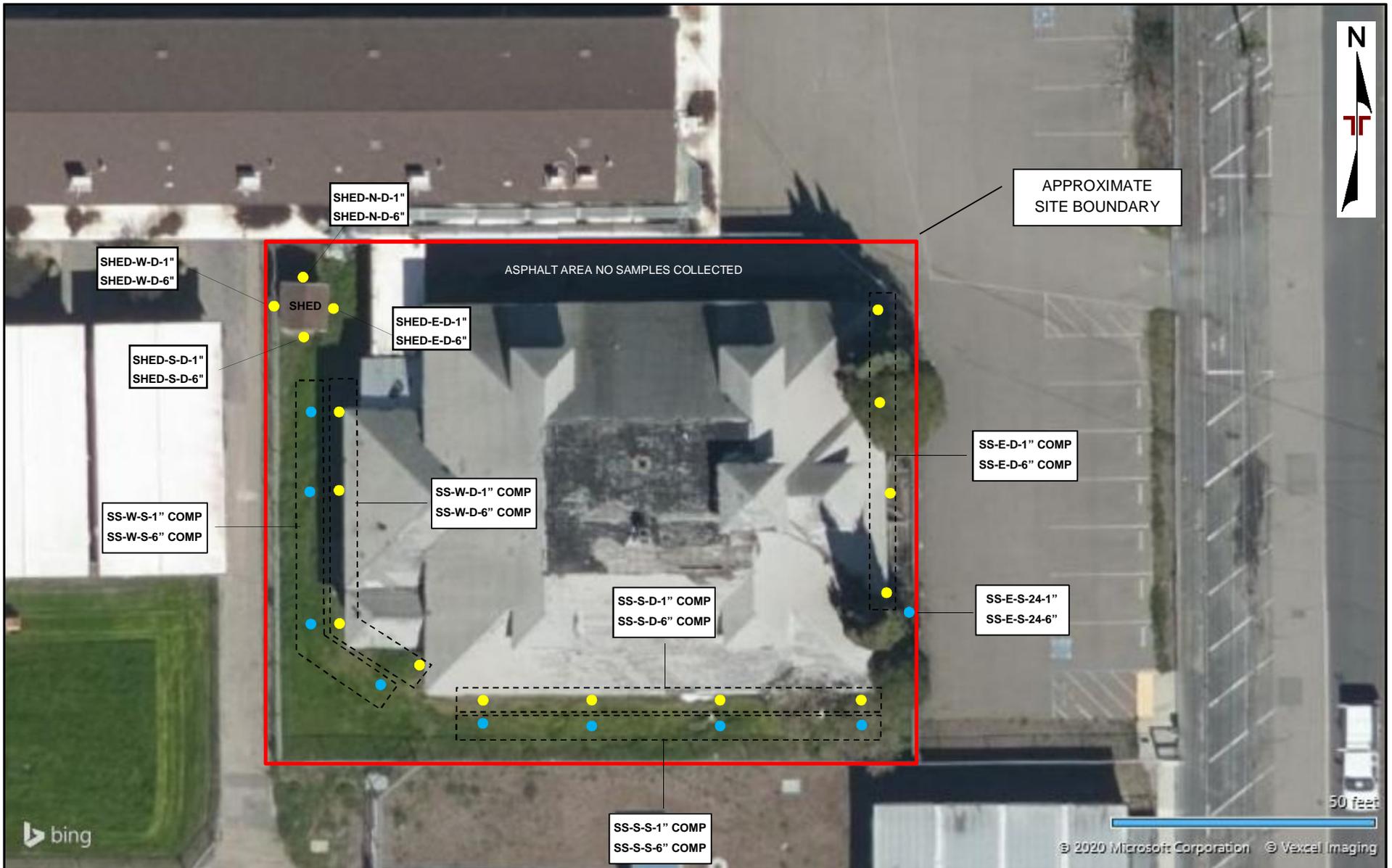
Terracon
 902 Industrial Way
 Lodi, CA 95240-3106

TOPOGRAPHIC MAP

HENDERSON MIDDLE SCHOOL
 13451 N. EXTENSION ROAD
 LODI, SAN JOAQUIN COUNTY, CALIFORNIA

Exhibit

1



LEGEND	
●	DRIP SAMPLE LOCATION
●	STEP OUT SAMPLE LOCATION
⌋	COMPOSITE SAMPLES

Drawn by:	TKW
Checked by:	TM
Approved by:	

NA207024
AS SHOWN



SITE DIAGRAM	
HENDERSON MIDDLE SCHOOL 13451 N. EXTENSION ROAD LODI, SAN JOAQUIN COUNTY, CALIFORNIA	

Exhibit	2
---------	---

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES. DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

Table 1 - Summary of Soil Sample Analytical Results
 13451 N. Extension Road, Lodi, California
 Project Number NA207024

Analyte	CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)				Client Sample ID and Date Collected																					
	DTSC Recommended Screening Levels (SLs) for Soil - April 2019a				California Characteristics of Toxicity 22 CCR § 66261.24		SS-E-D-1" COMP	SS-E-D-6" COMP	SS-E-S-24-1" COMP	SS-E-S-24-6" COMP	SS-S-D-1" COMP	SS-S-D-6" COMP	SS-S-S-1" COMP	SS-S-S-6" COMP	SS-W-D-1" COMP	SS-W-D-6" COMP	SS-W-S-1" COMP	SS-W-S-6" COMP	SHED-N-D-1" COMP	SHED-E-D-1" COMP	SHED-E-D-6" COMP	SHED-S-D-1" COMP	SHED-W-D-1" COMP	SHED-N-D-6" COMP	SHED-S-D-6" COMP	SHED-W-D-6" COMP
	Residential Soil		Commercial / Industrial Soil		Soluble Threshold Limit Concentration (STLC) Values	Total Threshold Limit Concentration (TTL) Values	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020	03/06/2020
	Cancer Endpoint	Non-cancer Endpoint	Cancer Endpoint	Non-cancer Endpoint			Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
All values and results reported in milligrams per Kilogram (mg/Kg)																										
California Administrative Manual (CAM-17) Metals by EPA Method 6010B																										
Lead	NE	80	NE	320	5.0	1,000	1,390	1,550	157	227	1,460	1,000	145	120	7,820	271	641	113	233	2,640	341	1,690	900	386	680	794

Notes:

NE = not established.

Bold value indicates a detection above laboratory method detection limit (MDL).

- Concentration reported above the Commercial Soil SL, Cancer Endpoint
- Concentration reported above the Residential Soil SL, Cancer Endpoint
- Concentration reported above the Residential Soil SL, Non-cancer Endpoint
- Concentration reported above the Commercial / Industrial Soil SL, Non-cancer Endpoint

Terracon - Sacramento, CA

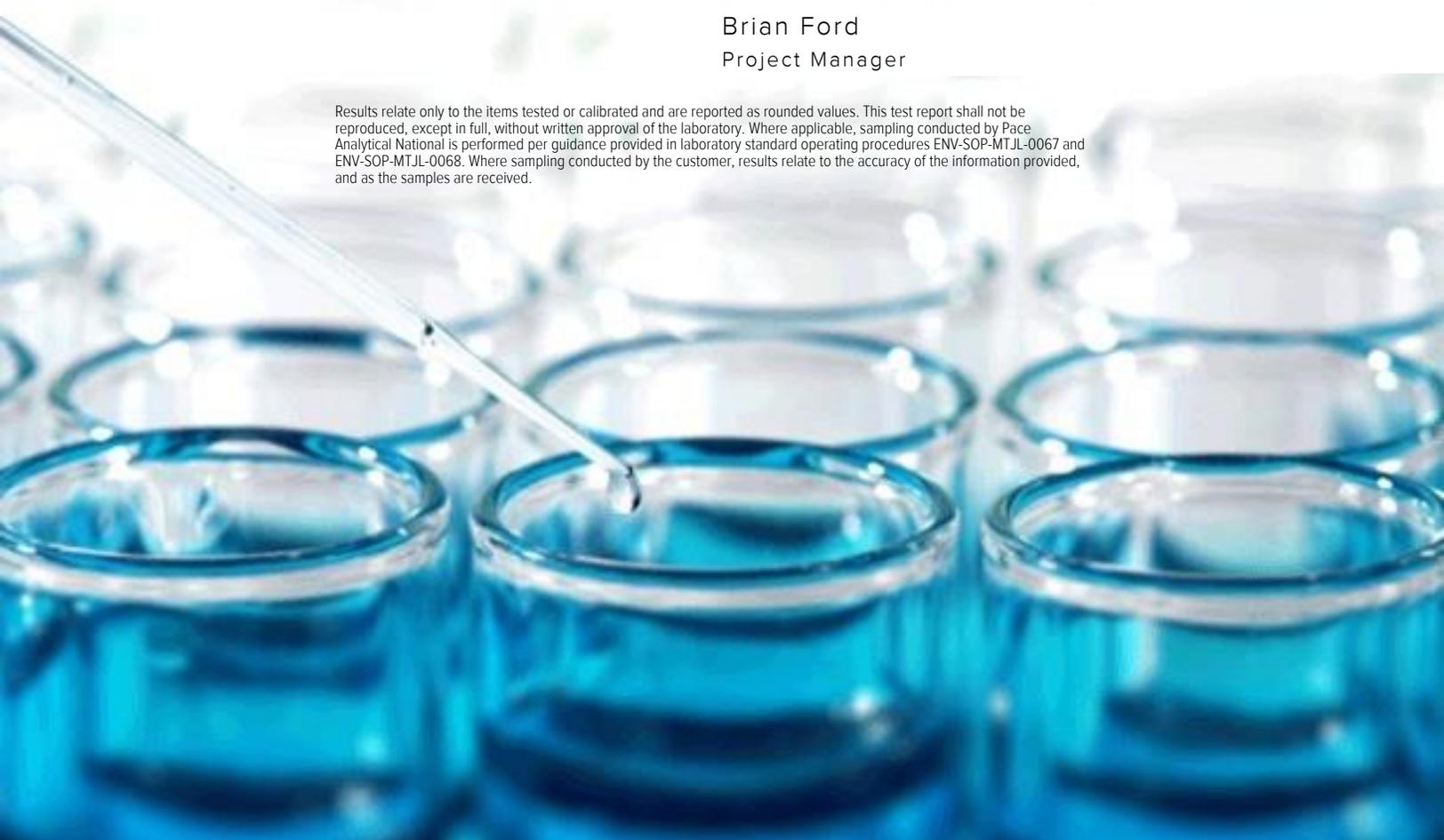
Sample Delivery Group: L1196595
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	5	
Ds: Detection Summary	6	3 Ss
Sr: Sample Results	7	4 Cn
SHED-N-D-1" L1196595-01	7	
SHED-E-D-1" L1196595-02	8	5 Ds
SHED-E-D-6" L1196595-03	9	
SHED-S-D-1" L1196595-04	10	6 Sr
SHED-W-D-1" L1196595-05	11	
SHED-N-D-6" L1196595-07	12	7 Qc
SHED-S-D-6" L1196595-08	13	
SHED-W-D-6" L1196595-09	14	8 Gl
Qc: Quality Control Summary	15	9 Al
Total Solids by Method 2540 G-2011	15	
Metals (ICP) by Method 6010B	17	10 Sc
Gl: Glossary of Terms	19	
Al: Accreditations & Locations	20	
Sc: Sample Chain of Custody	21	

SAMPLE SUMMARY



SHED-N-D-1" L1196595-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:33 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1439876	1	03/07/20 16:43	03/07/20 16:58	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1439893	1	03/07/20 14:21	03/08/20 09:37	EL	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

SHED-E-D-1" L1196595-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:35 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1439876	1	03/07/20 16:43	03/07/20 16:58	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1439893	1	03/07/20 14:21	03/08/20 09:40	EL	Mt. Juliet, TN

4 Cn

5 Ds

6 Sr

SHED-E-D-6" L1196595-03 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:37 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1439876	1	03/07/20 16:43	03/07/20 16:58	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1439893	1	03/07/20 14:21	03/08/20 09:43	EL	Mt. Juliet, TN

7 Qc

8 Gl

9 Al

SHED-S-D-1" L1196595-04 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:38 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1439876	1	03/07/20 16:43	03/07/20 16:58	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1439893	1	03/07/20 14:21	03/08/20 09:45	EL	Mt. Juliet, TN

10 Sc

SHED-W-D-1" L1196595-05 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:42 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1439876	1	03/07/20 16:43	03/07/20 16:58	KBC	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1439893	1	03/07/20 14:21	03/08/20 09:48	EL	Mt. Juliet, TN

SHED-N-D-6" L1196595-07 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:34 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440676	1	03/09/20 14:57	03/09/20 15:04	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440639	1	03/09/20 16:24	03/09/20 22:03	EL	Mt. Juliet, TN

SHED-S-D-6" L1196595-08 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 11:40 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440676	1	03/09/20 14:57	03/09/20 15:04	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440639	1	03/09/20 16:24	03/09/20 22:05	EL	Mt. Juliet, TN

SAMPLE SUMMARY



SHED-W-D-6" L1196595-09 Solid

Collected by	Collected date/time	Received date/time
Woods/Magallanes	03/06/20 11:43	03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440676	1	03/09/20 14:57	03/09/20 15:04	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440639	1	03/09/20 16:24	03/09/20 22:08	EL	Mt. Juliet, TN

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Ds
- ⁶ Sr
- ⁷ Qc
- ⁸ Gl
- ⁹ Al
- ¹⁰ Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SHED-N-D-1"	L1196595-01	Lead	233		0.204	0.537	1	03/08/2020 09:37	WG1439893
SHED-E-D-1"	L1196595-02	Lead	2640		0.193	0.509	1	03/08/2020 09:40	WG1439893
SHED-E-D-6"	L1196595-03	Lead	341		0.200	0.526	1	03/08/2020 09:43	WG1439893
SHED-S-D-1"	L1196595-04	Lead	1690		0.191	0.503	1	03/08/2020 09:45	WG1439893
SHED-W-D-1"	L1196595-05	Lead	900		0.194	0.511	1	03/08/2020 09:48	WG1439893
SHED-N-D-6"	L1196595-07	Lead	386		0.207	0.544	1	03/09/2020 22:03	WG1440639
SHED-S-D-6"	L1196595-08	Lead	680		0.203	0.535	1	03/09/2020 22:05	WG1440639
SHED-W-D-6"	L1196595-09	Lead	794		0.202	0.532	1	03/09/2020 22:08	WG1440639

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Ds
- 6
Sr
- 7
Qc
- 8
Gl
- 9
Al
- 10
Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	03/07/2020 16:58	WG1439876

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	233		0.204	0.537	1	03/08/2020 09:37	WG1439893

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.2		1	03/07/2020 16:58	WG1439876

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	2640		0.193	0.509	1	03/08/2020 09:40	WG1439893

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.0		1	03/07/2020 16:58	WG1439876

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	341		0.200	0.526	1	03/08/2020 09:43	WG1439893

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	99.4		1	03/07/2020 16:58	WG1439876

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	1690		0.191	0.503	1	03/08/2020 09:45	WG1439893

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.8		1	03/07/2020 16:58	WG1439876

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	900		0.194	0.511	1	03/08/2020 09:48	WG1439893

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.0		1	03/09/2020 15:04	WG1440676

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	386		0.207	0.544	1	03/09/2020 22:03	WG1440639

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.5		1	03/09/2020 15:04	WG1440676

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	680		0.203	0.535	1	03/09/2020 22:05	WG1440639

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.0		1	03/09/2020 15:04	WG1440676

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	794		0.202	0.532	1	03/09/2020 22:08	WG1440639

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Method Blank (MB)

(MB) R3506658-1 03/07/20 16:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

L1196595-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1196595-01 03/07/20 16:58 • (DUP) R3506658-3 03/07/20 16:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	93.1	93.1	1	0.0494		10

⁶ Sr

⁷ Qc

Laboratory Control Sample (LCS)

(LCS) R3506658-2 03/07/20 16:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁸ Gl

⁹ Al

¹⁰ Sc



Method Blank (MB)

(MB) R3506943-1 03/09/20 15:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

L1196595-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1196595-07 03/09/20 15:04 • (DUP) R3506943-3 03/09/20 15:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	92.0	92.8	1	0.903		10

⁴ Cn

⁵ Ds

Laboratory Control Sample (LCS)

(LCS) R3506943-2 03/09/20 15:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



Method Blank (MB)

(MB) R3506519-1 03/08/20 09:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3506519-2 03/08/20 09:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Lead	100	97.1	97.1	80.0-120	

⁴Cn

⁵Ds

L1196139-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196139-02 03/08/20 09:10 • (MS) R3506519-5 03/08/20 09:17 • (MSD) R3506519-6 03/08/20 09:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Lead	100	12.4	110	107	97.8	94.3	1	75.0-125			3.19	20

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc



Method Blank (MB)

(MB) R3506916-1 03/09/20 22:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3506916-2 03/09/20 22:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	97.6	97.6	80.0-120	

⁴Cn

⁵Ds

L1196490-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196490-01 03/09/20 22:21 • (MS) R3506916-5 03/09/20 22:29 • (MSD) R3506916-6 03/09/20 22:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	100	59.2	151	161	91.3	101	1	75.0-125			6.45	20

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc



Guide to Reading and Understanding Your Laboratory Report

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Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

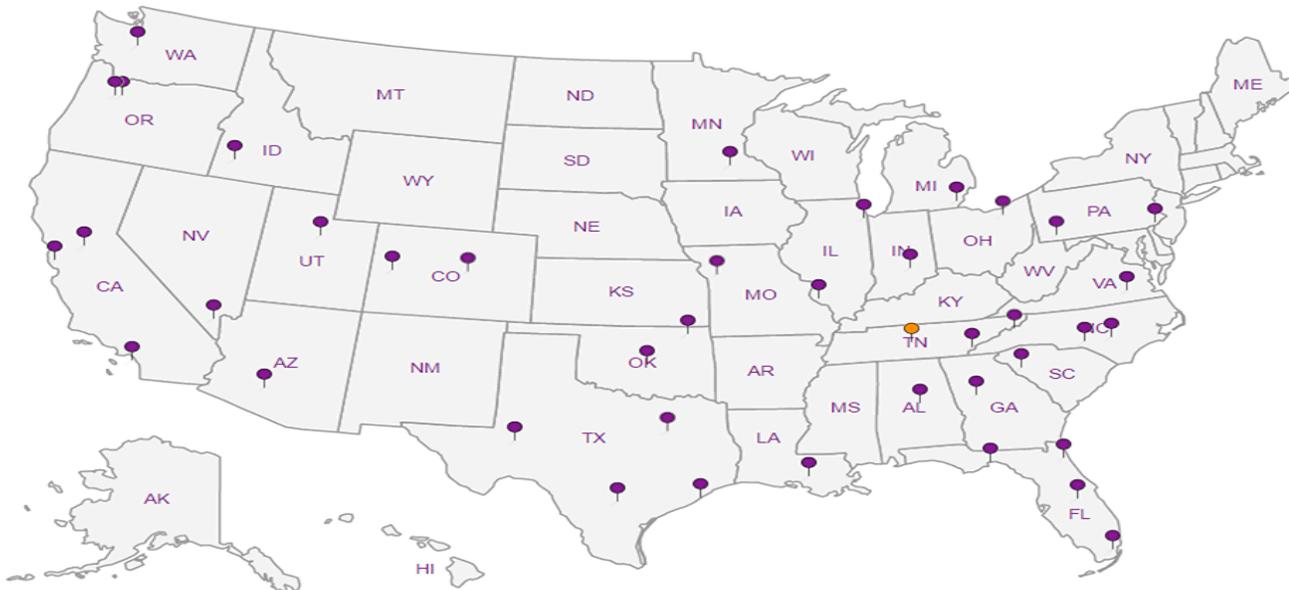
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: **TERRACON-LODI** Billing Information: **SAME**

Address: **902 INDUSTRIAL WAY, LODI, CA 95240**

Report To: **TONY MIKACICH** Email To: **TONY.MIKACICH@TERRACON.COM**

Copy To:

Customer Project Name/Number: **NA207024** Site Collection Info/Address: **13451 N. EXTENSION ROAD**

State: **CA** County/City: **SAN JOAQUIN / STOCKTON** Time Zone Collected: **PT [] MT [] CT [] ET**

Phone: **209-367-3701** Site/Facility ID #: **HENDERSON MIDDLE SCHOOL** Compliance Monitoring? Yes No

Email: **tony.mikacich@terracon.com** Purchase Order #: **Quote #:** DW PWS ID #: **DW Location Code:**

Collected By (print): **WOODS/MAGALLANES** Turnaround Date Required: **03/09/2020** Immediately Packed on Ice: Yes No

Collected By (signature): **[Signature]** Rush: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply) Field Filtered (if applicable): Yes No

Sample Disposal: Dispose as appropriate Return Archive: Hold: **[Signature]** Analysis: _____

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type ** Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
Shed-N-D-1"	SOIL	GRAB	03/06/20	11:33				1
Shed-N-D-6"	SOIL	GRAB	03/06/20	11:34				1
Shed-E-D-1"	SOIL	GRAB	03/06/20	11:35				1
Shed-E-D-6"	SOIL	GRAB	03/06/20	11:37				1
Shed-S-D-1"	SOIL	GRAB	03/06/20	11:38				1
Shed-S-D-6"	SOIL	GRAB	03/06/20	11:40				1
Shed-W-D-1"	SOIL	GRAB	03/06/20	11:42				1
Shed-W-D-6"	SOIL	GRAB	03/06/20	11:43				1

Analyses	Lab Profile/Line:

Customer Remarks / Special Conditions / Possible Hazards: **C028**

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: **11.0** °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments: **RAD SCREEN: <0.5 mR/hr**

Relinquished by/Company: (Signature) **y. Mikacich Terracon** Date/Time: **3-6-20/1400**

Received by/Company: (Signature) _____ Date/Time: _____

Relinquished by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) _____ Date/Time: _____

Relinquished by/Company: (Signature) _____ Date/Time: _____

Received by/Company: (Signature) **[Signature]** Date/Time: **3/7/20 9:15**

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): **YES (1)** Page: _____ of: _____

Andy Vann

From: Brian Ford
Sent: Monday, March 9, 2020 11:39 AM
To: Project Service; Brian Ford; Sample Storage; SOIL PREPREP; Due Metals; Metals Prep
Subject: L1196595 *TERRSCA* add samples off hold RUSH R2

Please add the 3 hold samples for PBICP,TS are R2 due 03/10. Hold label 03-056.

Thanks,

Brian Ford

Project Manager

Pace Analytical National Center for Testing & Innovation

12065 Lebanon Road | Mt. Juliet, TN 37122

direct 615.773.9772 | cell 615.881.4570

bford@pacenational.com | pacenational.com

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March 10, 2020

1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Terracon - Sacramento, CA

Sample Delivery Group: L1196608
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:

Brian Ford

Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Cp: Cover Page	1	¹Cp
Tc: Table of Contents	2	²Tc
Ss: Sample Summary	3	³Ss
Cn: Case Narrative	4	⁴Cn
Ds: Detection Summary	5	⁵Ds
Sr: Sample Results	6	⁶Sr
SS-E-S-24-1" L1196608-01	6	
SS-E-S-24-6" L1196608-02	7	
Qc: Quality Control Summary	8	⁷Qc
Total Solids by Method 2540 G-2011	8	
Metals (ICP) by Method 6010B	9	
Gl: Glossary of Terms	10	⁸Gl
Al: Accreditations & Locations	11	⁹Al
Sc: Sample Chain of Custody	12	¹⁰Sc

SAMPLE SUMMARY



SS-E-S-24-1" L1196608-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 09:50 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:08	CCE	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

SS-E-S-24-6" L1196608-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 09:52 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:11	CCE	Mt. Juliet, TN

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Ds
- ⁶ Sr
- ⁷ Qc
- ⁸ Gl
- ⁹ Al
- ¹⁰ Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SS-E-S-24-1"	L1196608-01	Lead	157		0.197	0.518	1	03/09/2020 00:08	WG1440046
SS-E-S-24-6"	L1196608-02	Lead	227		0.201	0.529	1	03/09/2020 00:11	WG1440046

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.6		1	03/09/2020 16:42	WG1440460

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	157		0.197	0.518	1	03/09/2020 00:08	WG1440046

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.5		1	03/09/2020 16:42	WG1440460

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	227		0.201	0.529	1	03/09/2020 00:11	WG1440046

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Method Blank (MB)

(MB) R3506968-1 03/09/20 16:42

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

L1196614-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196614-02 03/09/20 16:42 • (DUP) R3506968-3 03/09/20 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	94.0	94.1	1	0.111		10

⁶Sr

⁷Qc

Laboratory Control Sample (LCS)

(LCS) R3506968-2 03/09/20 16:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁸Gl

⁹Al

¹⁰Sc



Method Blank (MB)

(MB) R3506578-1 03/08/20 23:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R3506578-2 03/08/20 23:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

L1196372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196372-01 03/08/20 23:52 • (MS) R3506578-5 03/09/20 00:00 • (MSD) R3506578-6 03/09/20 00:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	100	95.9	212	191	116	94.6	1	75.0-125			10.5	20



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MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

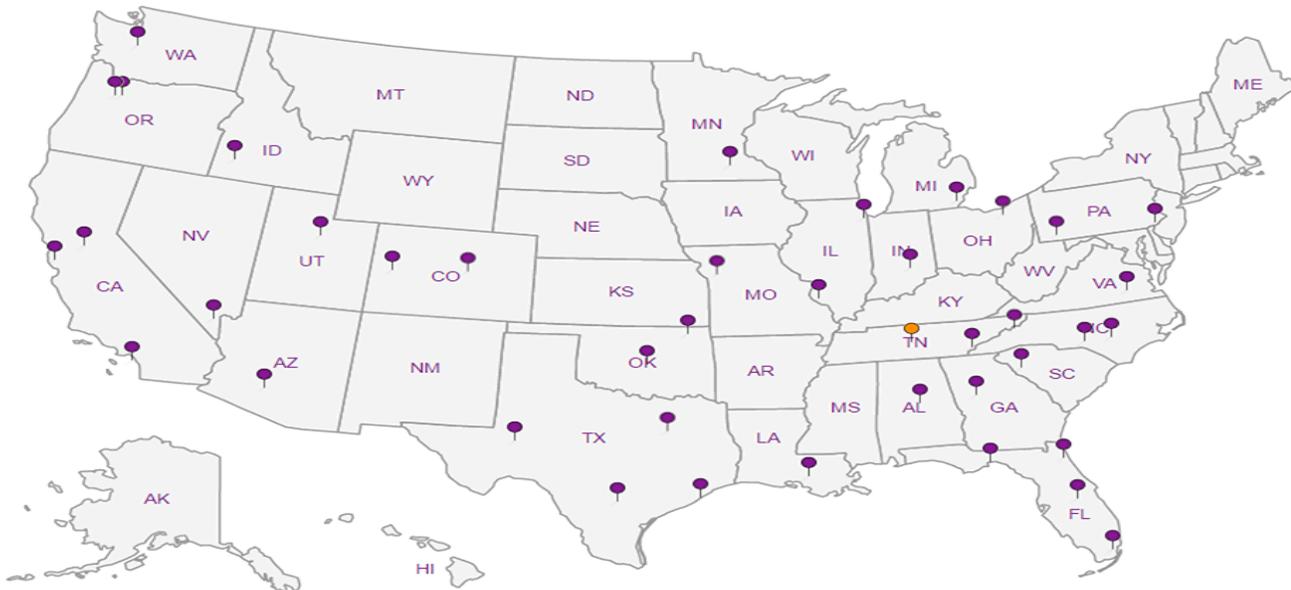
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: **TERRACON-LODI**
 Address: **902 INDUSTRIAL WAY, LODI, CA 95240**
 Report To: **TONY MIKACICH**
 Copy To:
 Customer Project Name/Number: **NA207024**
 Phone: 209-367-3701
 Email: tony.mikacich@terracon.com
 Collected By (print): **WOODS/MAGALLANES**
 Collected By (signature):
 Sample Disposal:
 Dispose as appropriate Return
 Archive:
 Hold:

Billing Information: **SAME**
 Email To: **TONY.MIKACICH@TERRACON.COM**
 Site Collection Info/Address: **13451 N. EXTENSION ROAD**
 State: **CA** / SAN JOAQUIN / STOCKTON PT [] MT [] CT [] ET
 County/City: _____ Time Zone Collected: _____
 Compliance Monitoring?
 Yes No
 DW PWS ID #: _____
 DW Location Code: _____
 Immediately Packed on Ice:
 Yes [] No
 Field Filtered (if applicable):
 Yes [] No
 Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-E-S-21-1"	SOIL	GRAB	03/06/20	—				1
SS-E-S-21-6"	SOIL	GRAB	03/06/20	—				1
SS-E-S-22-1"	SOIL	GRAB	03/06/20	—				1
SS-E-S-22-6"	SOIL	GRAB	03/06/20	—				1
SS-E-S-23-1"	SOIL	GRAB	03/06/20	—				1
SS-E-S-23-6"	SOIL	GRAB	03/06/20	—				1
SS-E-S-24-1"	SOIL	GRAB	03/06/20	9:50				1
SS-E-S-24-6"	SOIL	GRAB	03/06/20	9:52				1

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **
 Lab Project Manager:
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses
 Lab Profile/Line:
 Lab Sample Receipt Checklist:
 Custody Seals Present/Intact Y N NA
 Custody Signatures Present Y N NA
 Collector Signature Present N NA
 Bottles Intact N NA
 Correct Bottles N NA
 Sufficient Volume N NA
 Samples Received on Ice N NA
 VOA - Headspace Acceptable Y N NA
 USDA Regulated Soils Y N NA
 Samples in Holding Time N NA
 Residual Chlorine Present Y N NA
 Cl Strips: _____
 Sample pH Acceptable Y N NA
 pH Strips: _____
 Sulfide Present Y N NA
 Lead Acetate Strips: _____

LAB USE ONLY:
 Lab Sample # / Comments:
L1196608

Customer Remarks / Special Conditions / Possible Hazards:
COMPOSITE (4:1) SS-E-S-21-1" TO SS-E-S-24-1"
COMPOSITE (4:1) SS-E-S-21-6" TO SS-E-S-24-6"
7779 5891 2851

Type of Ice Used: Wet Blue Dry None
 SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Packing Material Used:
 Lab Tracking #:
 Radchem sample(s) screened (<500 cpm): Y N NA
 Samples received via:
 FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Intro:
 Temp Blank Received: Y N NA
 Therm ID#: **A2**
 Cooler 1 Temp Upon Receipt: **10.6°C**
 Cooler 1 Therm Corr. Factor: _____ oC
 Cooler 1 Corrected Temp: _____ oC
 Comments:
RAD SCREEN 0.5 mR/hr
 Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s):
 YES / **(NO)** Page: _____ of: _____

Relinquished by/Company: (Signature) **Y. Woods** Date/Time: **3-6-20 1400**
 Received by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Received by/Company: (Signature) _____ Date/Time: _____
 Relinquished by/Company: (Signature) _____ Date/Time: _____
 Received by/Company: (Signature) _____ Date/Time: **3/7/20 9:15**

C030

EPA 6010B - TOTAL LEAD

XXX (Pm)
XXX (TPm)

XXX

Please analyze separately. -01
" " " 02

Terracon - Sacramento, CA

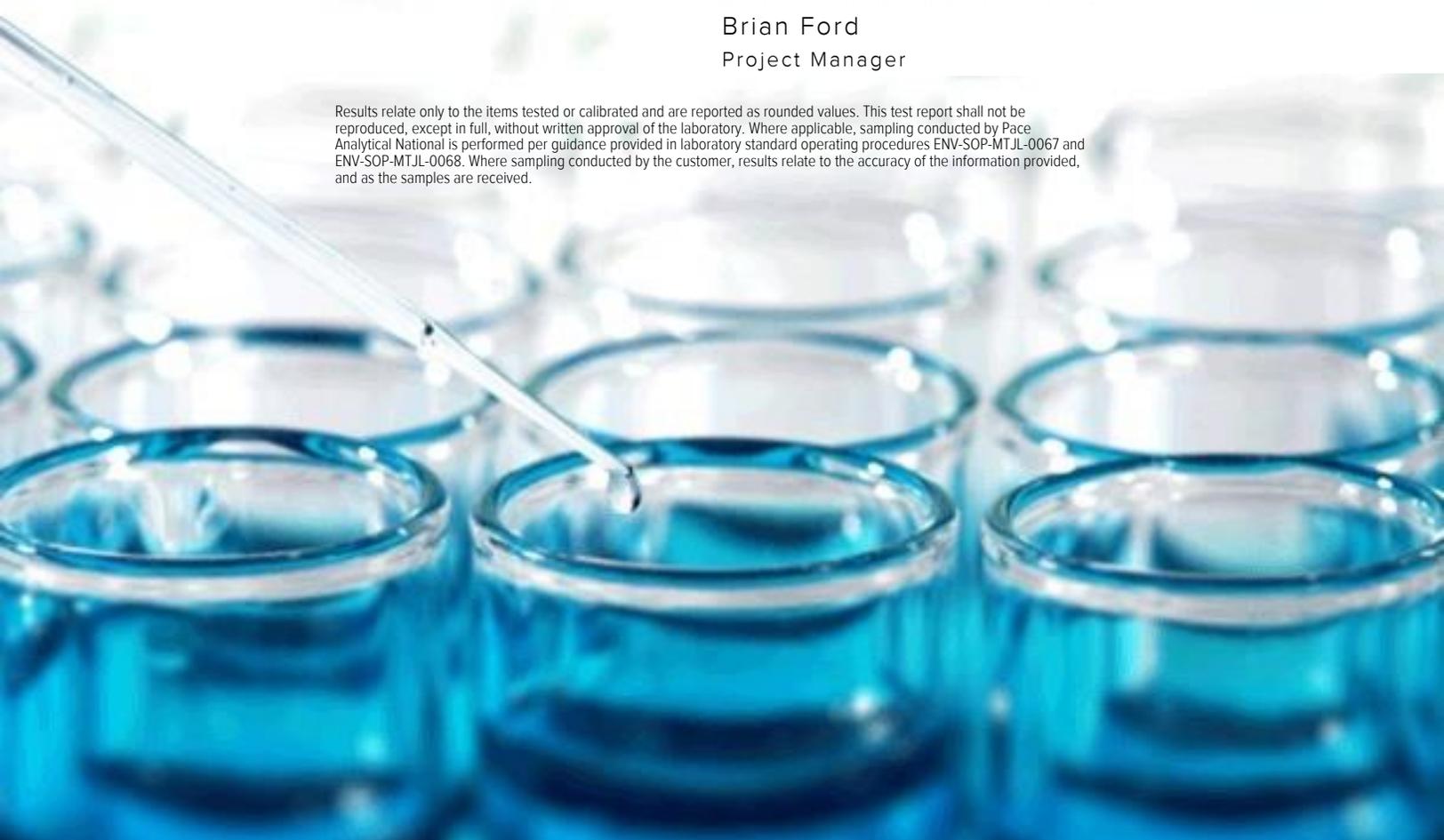
Sample Delivery Group: L1196610
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	¹Cp
Tc: Table of Contents	2	²Tc
Ss: Sample Summary	3	³Ss
Cn: Case Narrative	4	⁴Cn
Ds: Detection Summary	5	⁵Ds
Sr: Sample Results	6	⁶Sr
SS-E-D-1" COMP L1196610-01	6	
SS-E-D-6" COMP L1196610-02	7	
Qc: Quality Control Summary	8	⁷Qc
Total Solids by Method 2540 G-2011	8	
Metals (ICP) by Method 6010B	9	
Gl: Glossary of Terms	10	⁸Gl
Al: Accreditations & Locations	11	⁹Al
Sc: Sample Chain of Custody	12	¹⁰Sc

SAMPLE SUMMARY



SS-E-D-1" COMP L1196610-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:19	CCE	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

SS-E-D-6" COMP L1196610-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:22	CCE	Mt. Juliet, TN

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Ds
- ⁶ Sr
- ⁷ Qc
- ⁸ Gl
- ⁹ Al
- ¹⁰ Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SS-E-D-1" COMP	L1196610-01	Lead	1390		0.204	0.536	1	03/09/2020 00:19	WG1440046
SS-E-D-6" COMP	L1196610-02	Lead	1550		0.200	0.527	1	03/09/2020 00:22	WG1440046

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.3		1	03/09/2020 16:42	WG1440460

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	1390		0.204	0.536	1	03/09/2020 00:19	WG1440046

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.9		1	03/09/2020 16:42	WG1440460

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	1550		0.200	0.527	1	03/09/2020 00:22	WG1440046

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Method Blank (MB)

(MB) R3506968-1 03/09/20 16:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

L1196614-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196614-02 03/09/20 16:42 • (DUP) R3506968-3 03/09/20 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	94.0	94.1	1	0.111		10

⁴ Cn

⁵ Ds

Laboratory Control Sample (LCS)

(LCS) R3506968-2 03/09/20 16:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



Method Blank (MB)

(MB) R3506578-1 03/08/20 23:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R3506578-2 03/08/20 23:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

L1196372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196372-01 03/08/20 23:52 • (MS) R3506578-5 03/09/20 00:00 • (MSD) R3506578-6 03/09/20 00:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	100	95.9	212	191	116	94.6	1	75.0-125			10.5	20



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
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Arkansas	88-0469	New Jersey-NELAP	TN002
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Colorado	TN00003	New York	11742
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Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

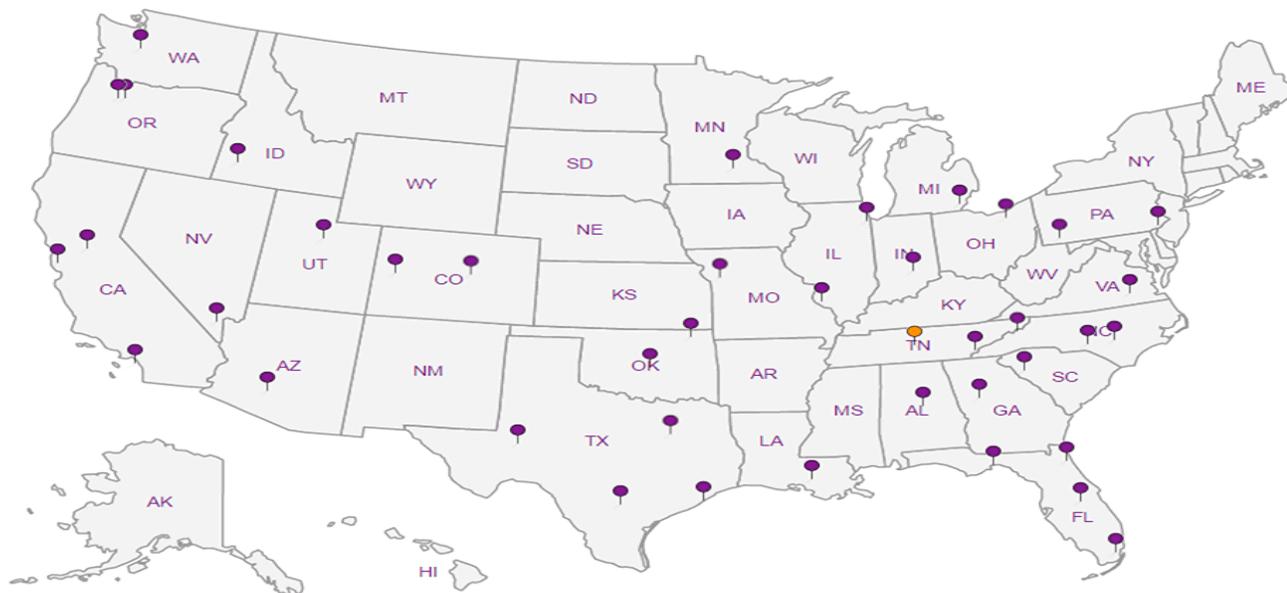
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

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1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: TERRACON-LODI		Billing Information: SAME	
Address: 902 INDUSTRIAL WAY, LODI, CA 95240		Report To: TONY MIKACICH	
Email: tony.mikacich@terracon.com		Email To: TONY.MIKACICH@TERRACON.COM	
Copy To:		Site Collection Info/Address: 13451 N. EXTENSION ROAD	
Customer Project Name/Number: NA207024		State: CA / County/City: SAN JOAQUIN / STOCKTON Time Zone Collected: <input checked="" type="checkbox"/> PT <input type="checkbox"/> MT <input type="checkbox"/> CT <input type="checkbox"/> ET	
Phone: 209-367-3701	Site/Facility ID #: HENDERSON MIDDLE SCHOOL	Compliance Monitoring? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Collected By (print): WOODS/MAGALLANES	Purchase Order #: Quote #:	DW PWS ID #: DW Location Code:	
Collected By (signature):	Turnaround Date Required: 03/09/2020	Immediately Packed on Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Disposal: <input type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive: <input checked="" type="checkbox"/> Hold:	Rush: <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> Next Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day (Expedite Charges Apply)	Field Filtered (if applicable): <input type="checkbox"/> Yes <input type="checkbox"/> No	

Container Preservative Type **	Lab Project Manager:
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other	

Analyses	Lab Profile/Line:
EPA 6010B - TOTAL LEAD	Lab Sample Receipt Checklist:
	Custody Seals Present/Intact <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Custody Signatures Present <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Collector Signature Present <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Bottles Intact <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Correct Bottles <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Sufficient Volume <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	Samples Received on Ice <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	VOA - Headspace Acceptable <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
	USDA Regulated Soils <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
Samples in Holding Time <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
Residual Chlorine Present <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
Cl Strips: _____	
Sample pH Acceptable <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
pH Strips: _____	
Sulfide Present <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
Lead Acetate Strips: _____	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-E-D-5-1"	SOIL	GRAB	03/06/20	9:28				1
SS-E-D-5-6"	SOIL	GRAB	03/06/20	9:32				1
SS-E-D-6-1"	SOIL	GRAB	03/06/20	9:34				1
SS-E-D-6-6"	SOIL	GRAB	03/06/20	9:37				1
SS-E-D-7-1"	SOIL	GRAB	03/06/20	9:40				1
SS-E-D-7-6"	SOIL	GRAB	03/06/20	—				10
SS-E-D-8-1"	SOIL	GRAB	03/06/20	9:45				1
SS-E-D-8-6"	SOIL	GRAB	03/06/20	9:46				1

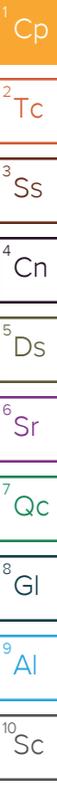
LAB USE ONLY: Lab Sample # / Comments:	
L1196610-01	02
01	02
01	02-3W
01	02

Customer Remarks / Special Conditions / Possible Hazards: COMPOSITE (4:1) SS-E-D-5-1" TO SS-E-D-8-1" COMPOSITE (3:1) SS-E-D-5-6" TO SS-E-D-8-6" C029	Type of Ice Used: <input type="checkbox"/> Wet <input type="checkbox"/> Blue <input type="checkbox"/> Dry <input type="checkbox"/> None	SHORT HOLDS PRESENT (<72 hours): <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
	Packing Material Used:	Lab Tracking #: 7779 5841 2851
	Radchem sample(s) screened (<500 cpm): <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	Samples received via: <input type="checkbox"/> FEDEX <input type="checkbox"/> UPS <input type="checkbox"/> Client <input type="checkbox"/> Courier <input type="checkbox"/> Pace Courier

Lab Sample Temperature Info:	
Temp Blank Received: <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	Therm ID#: _____
Cooler 1 Temp Upon Receipt: Amc	Cooler 1 Therm Corr. Factor: _____ °C
Cooler 1 Corrected Temp: _____ °C	Comments:

Relinquished by/Company: (Signature) Y. Mikacich Terracon	Date/Time: 3-6-20 / 1400	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 3/2/20 9:15

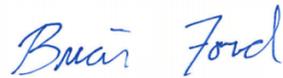
MTJL LAB USE ONLY	
Table #:	Acctnum:
Template:	Prelogin:
PM:	PB:
Non Conformance(s): YES / (NO)	Page: _____ of: _____



Terracon - Sacramento, CA

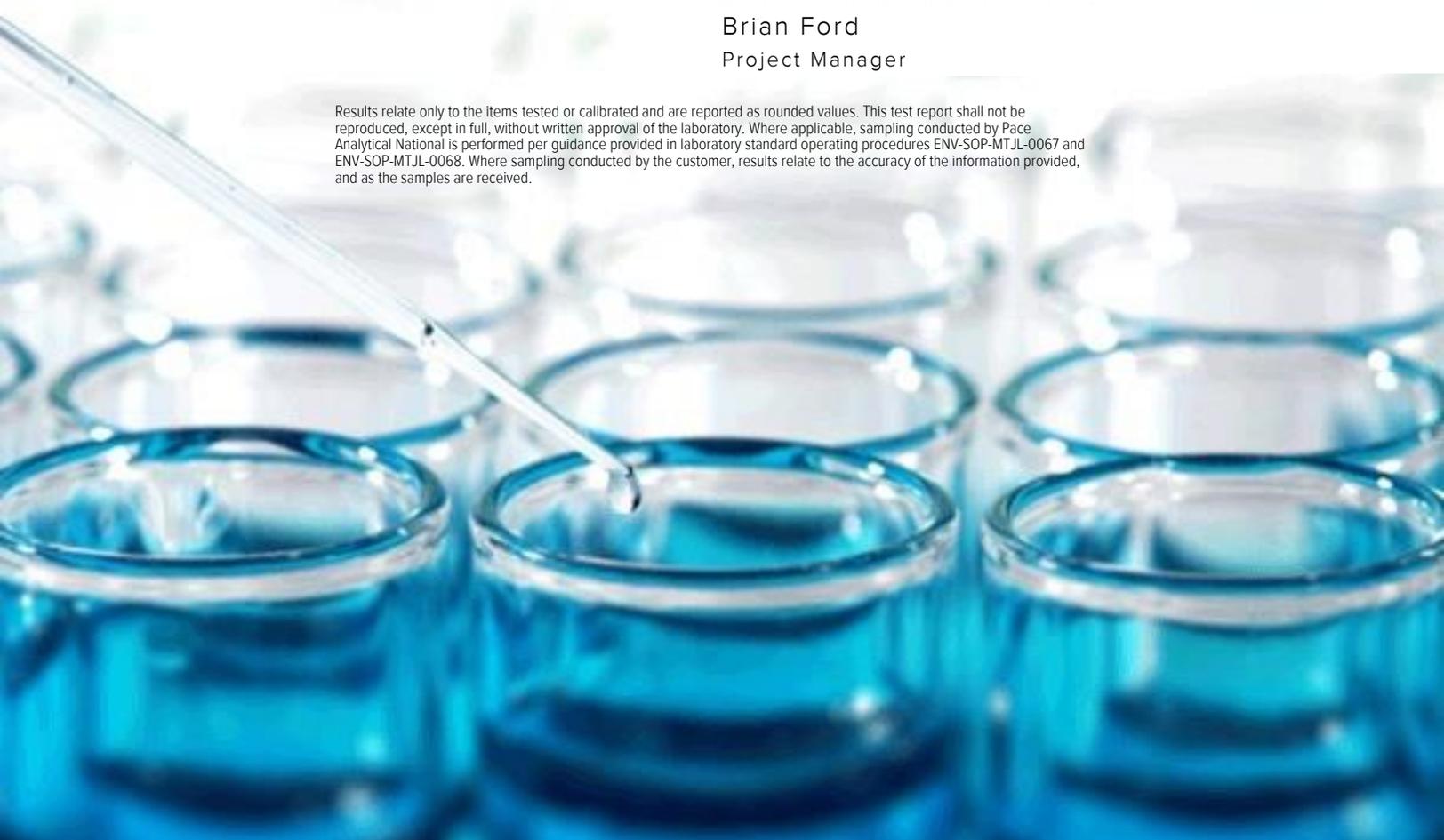
Sample Delivery Group: L1196614
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	¹Cp
Tc: Table of Contents	2	²Tc
Ss: Sample Summary	3	³Ss
Cn: Case Narrative	4	⁴Cn
Ds: Detection Summary	5	⁵Ds
Sr: Sample Results	6	⁶Sr
SS-S-D-1" COMP L1196614-01	6	
SS-S-D-6" COMP L1196614-02	7	
Qc: Quality Control Summary	8	⁷Qc
Total Solids by Method 2540 G-2011	8	
Metals (ICP) by Method 6010B	9	
Gl: Glossary of Terms	10	⁸Gl
Al: Accreditations & Locations	11	⁹Al
Sc: Sample Chain of Custody	12	¹⁰Sc

SAMPLE SUMMARY



SS-S-D-1" COMP L1196614-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:25	CCE	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

SS-S-D-6" COMP L1196614-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:27	CCE	Mt. Juliet, TN

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SS-S-D-1" COMP	L1196614-01	Lead	1460		0.194	0.512	1	03/09/2020 00:25	WG1440046
SS-S-D-6" COMP	L1196614-02	Lead	1000		0.202	0.532	1	03/09/2020 00:27	WG1440046

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.7		1	03/09/2020 16:42	WG1440460

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	1460		0.194	0.512	1	03/09/2020 00:25	WG1440046

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.0		1	03/09/2020 16:42	WG1440460

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	1000		0.202	0.532	1	03/09/2020 00:27	WG1440046



Method Blank (MB)

(MB) R3506968-1 03/09/20 16:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

L1196614-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196614-02 03/09/20 16:42 • (DUP) R3506968-3 03/09/20 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	94.0	94.1	1	0.111		10

⁴ Cn

⁵ Ds

Laboratory Control Sample (LCS)

(LCS) R3506968-2 03/09/20 16:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



Method Blank (MB)

(MB) R3506578-1 03/08/20 23:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3506578-2 03/08/20 23:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

⁴Cn

⁵Ds

L1196372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196372-01 03/08/20 23:52 • (MS) R3506578-5 03/09/20 00:00 • (MSD) R3506578-6 03/09/20 00:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	100	95.9	212	191	116	94.6	1	75.0-125			10.5	20

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

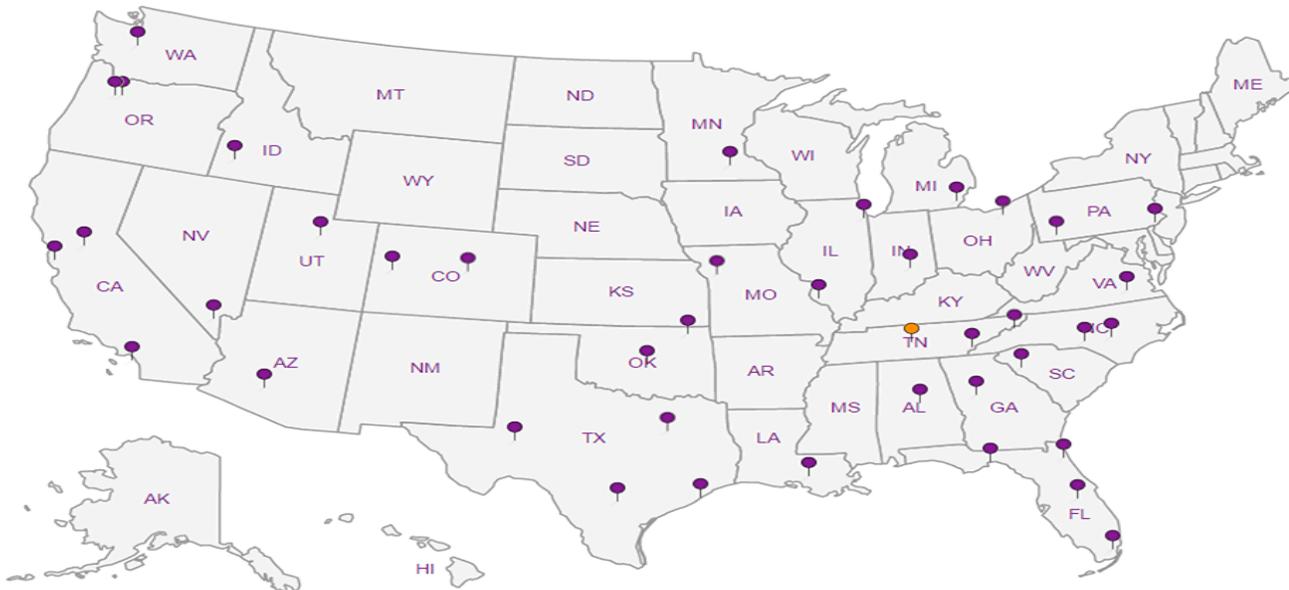
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: TERRACON-LODI		Billing Information: SAME	
Address: 902 INDUSTRIAL WAY, LODI, CA 95240		Email To: TONY.MIKACICH@TERRACON.COM	
Report To: TONY MIKACICH		Site Collection Info/Address: 13451 N. EXTENSION ROAD	
Copy To:		State: CA / SAN JOAQUIN / STOCKTON <input checked="" type="checkbox"/> PT <input type="checkbox"/> MT <input type="checkbox"/> CT <input type="checkbox"/> ET	
Customer Project Name/Number: NA207024		Time Zone Collected:	
Phone: 209-367-3701	Site/Facility ID #: HENDERSON MIDDLE SCHOOL	Compliance Monitoring? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Email: tony.mikacich@terracon.com	Purchase Order #: 	DW PWS ID #: 	
Collected By (print): WOODS/MAGALLANES	Quote #: 	DW Location Code: 	
Collected By (signature): 	Turnaround Date Required: 03/09/2020	Immediately Packed on Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Disposal: <input type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive: <input checked="" type="checkbox"/> Hold: 	Rush: <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> Next Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day (Expedite Charges Apply)	Field Filtered (if applicable): <input type="checkbox"/> Yes <input type="checkbox"/> No	
Analysis: 			

Container Preservative Type **	Lab Project Manager:
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other	

EPA 6010B - TOTAL LEAD	Analyses	Lab Profile/Line:
		Lab Sample Receipt Checklist:
		Custody Seals Present/Intact Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Custody Signatures Present Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Collector Signature Present Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Bottles Intact <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> NA
		Correct Bottles <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> NA
		Sufficient Volume <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Samples Received on Ice Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		VOA - Headspace Acceptable Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		USDA Regulated Soils Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Samples in Holding Time Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Residual Chlorine Present Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
		Cl Strips:
		Sample pH Acceptable Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA
	pH Strips: 	
	Sulfide Present Y N NA <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> NA	
	Lead Acetate Strips: 	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-S-D-9-1"	SOIL	GRAB	03/06/20	10:03				1
SS-S-D-9-6"	SOIL	GRAB	03/06/20	10:05				1
SS-S-D-10-1"	SOIL	GRAB	03/06/20	10:07				1
SS-S-D-10-6"	SOIL	GRAB	03/06/20	10:09				1
SS-S-D-11-1"	SOIL	GRAB	03/06/20	10:12				1
SS-S-D-11-6"	SOIL	GRAB	03/06/20	10:14				1
SS-S-D-12-1"	SOIL	GRAB	03/06/20	10:15				1
SS-S-D-12-6"	SOIL	GRAB	03/06/20	10:17				1

LAB USE ONLY:
Lab Sample # / Comments: **L1196614-01**

C031

Customer Remarks / Special Conditions / Possible Hazards: COMPOSITE (4:1) SS-S-D-9-1" TO SS-S-D-12-1" COMPOSITE (4:1) SS-S-D-9-6" TO SS-S-D-12-6"	Type of Ice Used: Wet Blue Dry None	SHORT HOLDS PRESENT (<72 hours): Y N N/A
	Packing Material Used:	Lab Tracking #:
	Radchem sample(s) screened (<500 cpm): Y N NA	Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: 72.0 C
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments: RAD SCREEN: <0.5 mR/hr
Trip Blank Received: Y N NA
HCL MeOH TSP Other
Non Conformance(s): YES / NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Page:

Relinquished by/Company: (Signature) Y.M.C Terracon	Date/Time: 3-6-20 1140	Received by/Company: (Signature) [Signature]	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) [Signature]	Date/Time: 3/7/20 9:15

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Terracon - Sacramento, CA

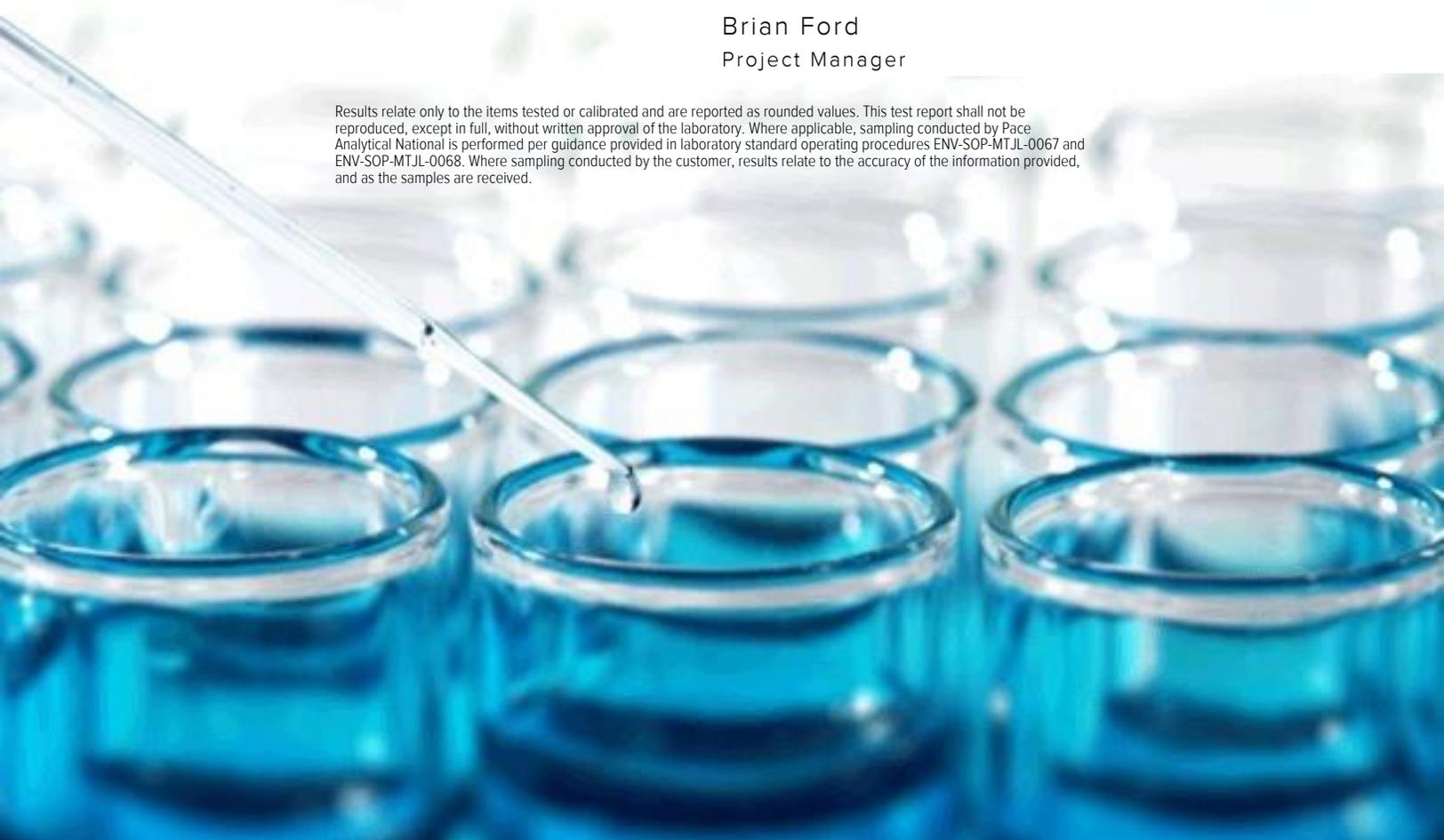
Sample Delivery Group: L1196616
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





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SAMPLE SUMMARY



SS-S-S-1" COMP L1196616-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:30	CCE	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

SS-S-S-6" COMP L1196616-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:33	CCE	Mt. Juliet, TN

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Ds
- ⁶ Sr
- ⁷ Qc
- ⁸ Gl
- ⁹ Al
- ¹⁰ Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SS-S-S-1" COMP	<u>L1196616-01</u>	Lead	145		0.194	0.511	1	03/09/2020 00:30	WG1440046
SS-S-S-6" COMP	<u>L1196616-02</u>	Lead	120		0.194	0.510	1	03/09/2020 00:33	WG1440046

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.8		1	03/09/2020 16:42	WG1440460

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	145		0.194	0.511	1	03/09/2020 00:30	WG1440046

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.0		1	03/09/2020 16:42	WG1440460

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	120		0.194	0.510	1	03/09/2020 00:33	WG1440046

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Method Blank (MB)

(MB) R3506968-1 03/09/20 16:42

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

L1196614-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196614-02 03/09/20 16:42 • (DUP) R3506968-3 03/09/20 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	94.0	94.1	1	0.111		10

⁶ Sr

⁷ Qc

Laboratory Control Sample (LCS)

(LCS) R3506968-2 03/09/20 16:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁸ Gl

⁹ Al

¹⁰ Sc



Method Blank (MB)

(MB) R3506578-1 03/08/20 23:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3506578-2 03/08/20 23:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

⁴Cn

⁵Ds

L1196372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196372-01 03/08/20 23:52 • (MS) R3506578-5 03/09/20 00:00 • (MSD) R3506578-6 03/09/20 00:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	100	95.9	212	191	116	94.6	1	75.0-125			10.5	20

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
 * Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

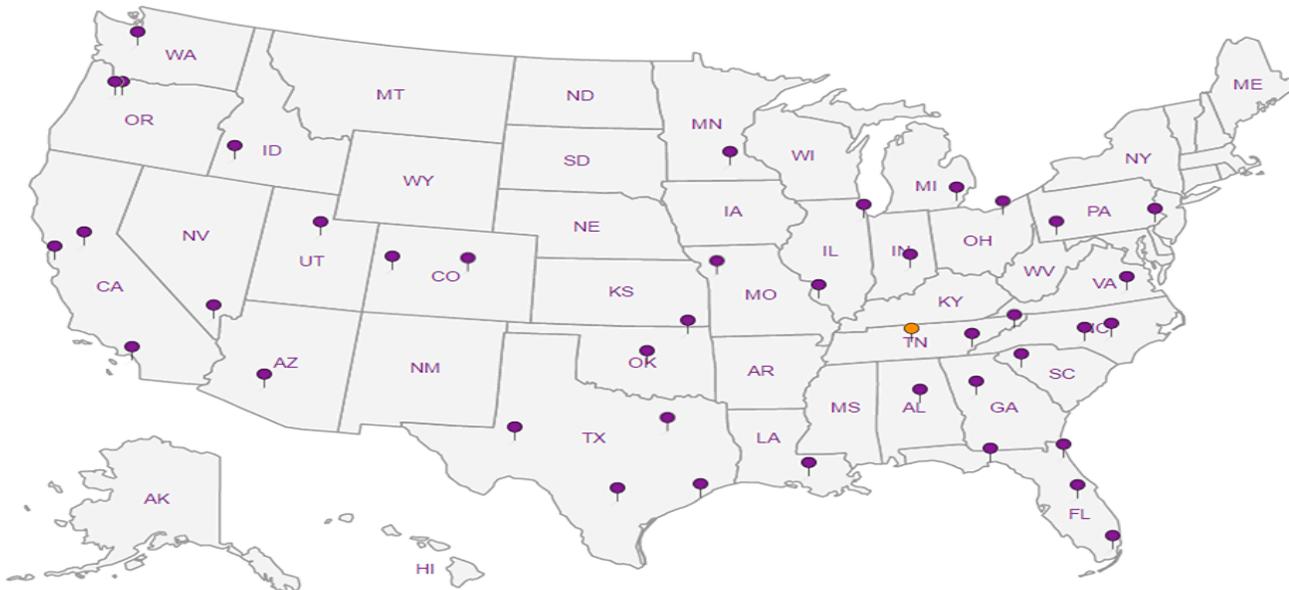
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: **TERRACON-LODI**
 Address: **902 INDUSTRIAL WAY, LODI, CA 95240**
 Report To: **TONY MIKACICH**
 Copy To:
 Customer Project Name/Number: **NA207024**
 Phone: 209-367-3701
 Email: tony.mikacich@terracon.com
 Collected By (print): **WOODS/MAGALLANES**
 Collected By (signature):
 Sample Disposal:
 Dispose as appropriate Return
 Archive:
 Hold:

Billing Information:
SAME

Site Collection Info/Address:
13451 N. EXTENSION ROAD
 State: **CA** / SAN JOAQUIN / STOCKTON PT MT CT ET
 County/City: Time Zone Collected:
 Compliance Monitoring?
 Yes No
 DW PWS ID #:
 DW Location Code:
 Immediately Packed on Ice:
 Yes No
 Field Filtered (if applicable):
 Yes No
 Analysis:

Site/Facility ID #: **HENDERSON MIDDLE SCHOOL**
 Purchase Order #:
 Quote #:
 Turnaround Date Required: **03/09/2020**
 Rush:
 Same Day Next Day
 2 Day 3 Day 4 Day 5 Day
 (Expedite Charges Apply)

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **		Lab Project Manager:
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other		
Analyses		Lab Profile/Line:
EPA 6010B - TOTAL LEAD XXXXXXXXXX		Lab Sample Receipt Checklist:
		Custody Seals Present/Intact Y N NA <input checked="" type="checkbox"/>
		Custody Signatures Present Y N NA <input checked="" type="checkbox"/>
		Collector Signature Present Y N NA <input checked="" type="checkbox"/>
		Bottles Intact <input checked="" type="checkbox"/> N NA
		Correct Bottles <input checked="" type="checkbox"/> N NA
		Sufficient Volume <input checked="" type="checkbox"/> N NA
		Samples Received on Ice Y N NA <input checked="" type="checkbox"/>
		VOA - Headspace Acceptable Y N NA <input checked="" type="checkbox"/>
		USDA Regulated Soils Y N NA <input checked="" type="checkbox"/>
Samples in Holding Time <input checked="" type="checkbox"/> Y N NA		
Residual Chlorine Present Y N NA <input checked="" type="checkbox"/>		
Cl Strips: _____		
Sample pH Acceptable Y N NA <input checked="" type="checkbox"/>		
pH Strips: _____		
Sulfide Present Y N NA <input checked="" type="checkbox"/>		
Lead Acetate Strips: _____		
LAB USE ONLY: Lab Sample # / Comments:		

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-S-S-25-1"	SOIL	GRAB	03/06/20	10:37				1
SS-S-S-25-6"	SOIL	GRAB	03/06/20	10:40				1
SS-S-S-26-1"	SOIL	GRAB	03/06/20	10:45				1
SS-S-S-26-6"	SOIL	GRAB	03/06/20	10:47				1
SS-S-S-27-1"	SOIL	GRAB	03/06/20	10:53				1
SS-S-S-27-6"	SOIL	GRAB	03/06/20	10:55				1
SS-S-S-28-1"	SOIL	GRAB	03/06/20	10:58				1
SS-S-S-28-6"	SOIL	GRAB	03/06/20	11:00				1

Customer Remarks / Special Conditions / Possible Hazards:
COMPOSITE (4:1) SS-S-S-25-1" TO SS-S-S-28-1" COMPOSITE (4:1) SS-S-S-25-6" TO SS-S-S-28-6"

Type of Ice Used: Wet Blue Dry None
 Packing Material Used:
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #:
 Samples received via:
 FEDEX UPS Client Courier Pace Courier

C032 7779 5841 2851

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: _____
 Cooler 1 Temp Upon Receipt: 5.0 oC
 Cooler 1 Therm Corr. Factor: _____ oC
 Cooler 1 Corrected Temp: _____ oC
 Comments:
RAD SCREEN <0.5 mPHE

Trip Blank Received: Y N NA
 HCL MeOH TSP Other

Non Conformance(s): YES / NO
 Page: _____ of: _____

MTJL LAB USE ONLY
 Table #:
 Acctnum:
 Template:
 Prelogin:
 PM:
 PB:

Relinquished by/Company: (Signature) <i>g-m</i>	Date/Time: 3-6-20/1400	Received by/Company: (Signature) <i>Terraco</i>	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) <i>Lee</i>	Date/Time: 3/20 9:15

Terracon - Sacramento, CA

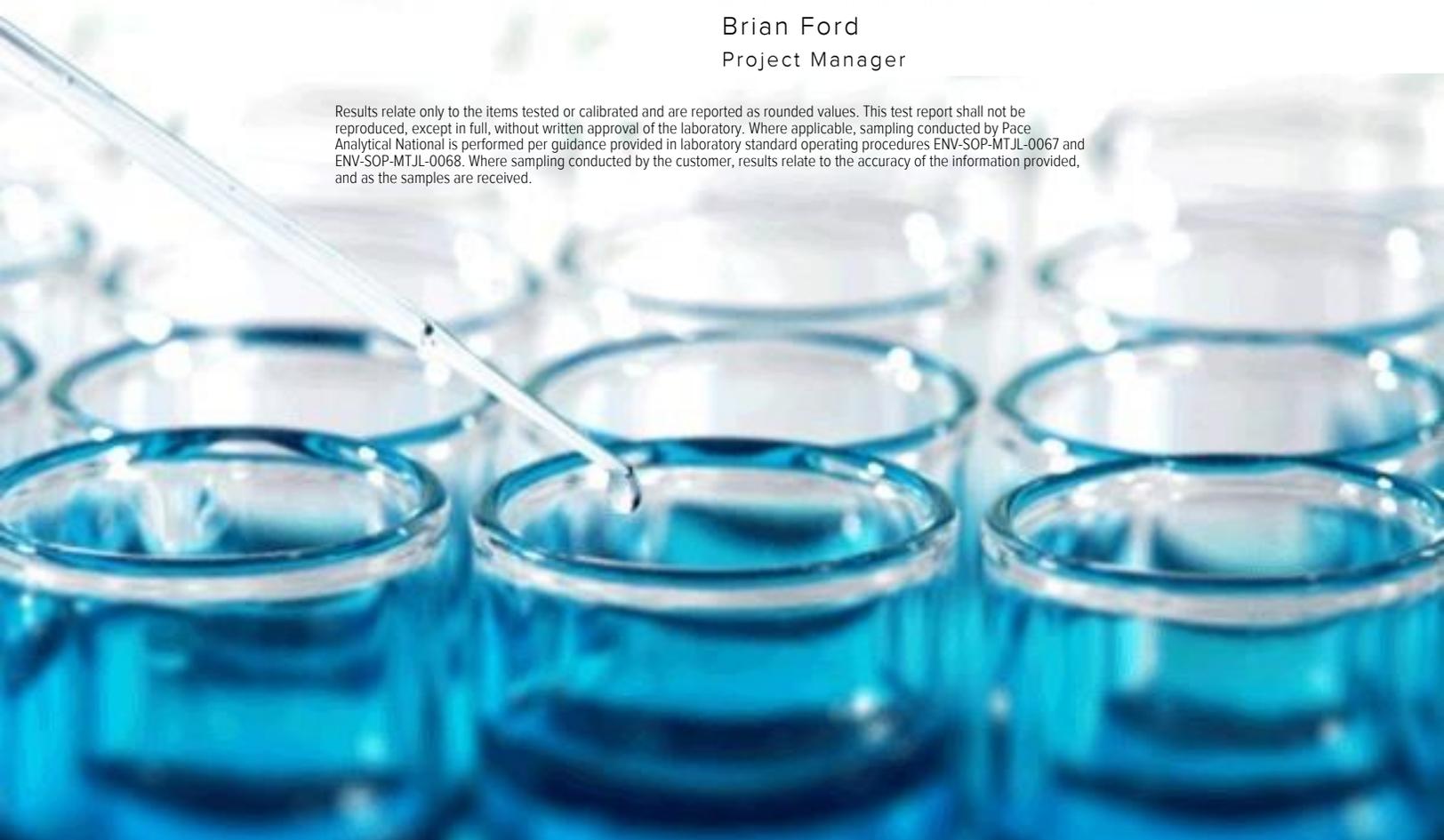
Sample Delivery Group: L1196617
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:



Brian Ford
Project Manager

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SS-W-D-6" COMP L1196617-02	7	
Qc: Quality Control Summary	8	⁷Qc
Total Solids by Method 2540 G-2011	8	
Metals (ICP) by Method 6010B	10	
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Al: Accreditations & Locations	12	⁹Al
Sc: Sample Chain of Custody	13	¹⁰Sc

SAMPLE SUMMARY



SS-W-D-1" COMP L1196617-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440460	1	03/09/20 16:34	03/09/20 16:42	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:35	CCE	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

SS-W-D-6" COMP L1196617-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440462	1	03/09/20 16:24	03/09/20 16:33	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:38	CCE	Mt. Juliet, TN

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Ds
- ⁶ Sr
- ⁷ Qc
- ⁸ Gl
- ⁹ Al
- ¹⁰ Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SS-W-D-1" COMP	<u>L1196617-01</u>	Lead	7820		0.198	0.520	1	03/09/2020 00:35	WG1440046
SS-W-D-6" COMP	<u>L1196617-02</u>	Lead	271		0.205	0.539	1	03/09/2020 00:38	WG1440046

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.2		1	03/09/2020 16:42	WG1440460

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	7820		0.198	0.520	1	03/09/2020 00:35	WG1440046

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	03/09/2020 16:33	WG1440462

1 Cp

2 Tc

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	271		0.205	0.539	1	03/09/2020 00:38	WG1440046

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



Method Blank (MB)

(MB) R3506968-1 03/09/20 16:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

L1196614-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196614-02 03/09/20 16:42 • (DUP) R3506968-3 03/09/20 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	94.0	94.1	1	0.111		10

Laboratory Control Sample (LCS)

(LCS) R3506968-2 03/09/20 16:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	



Method Blank (MB)

(MB) R3506960-1 03/09/20 16:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

¹Cp

²Tc

³Ss

⁴Cn

⁵Ds

⁶Sr

L1196618-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196618-02 03/09/20 16:33 • (DUP) R3506960-3 03/09/20 16:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	97.9	98.0	1	0.0474		10

⁷Qc

⁸Gl

Laboratory Control Sample (LCS)

(LCS) R3506960-2 03/09/20 16:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁹Al

¹⁰Sc



Method Blank (MB)

(MB) R3506578-1 03/08/20 23:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3506578-2 03/08/20 23:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

⁴Cn

⁵Ds

L1196372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196372-01 03/08/20 23:52 • (MS) R3506578-5 03/09/20 00:00 • (MSD) R3506578-6 03/09/20 00:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	100	95.9	212	191	116	94.6	1	75.0-125			10.5	20

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc



Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
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Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
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Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



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State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

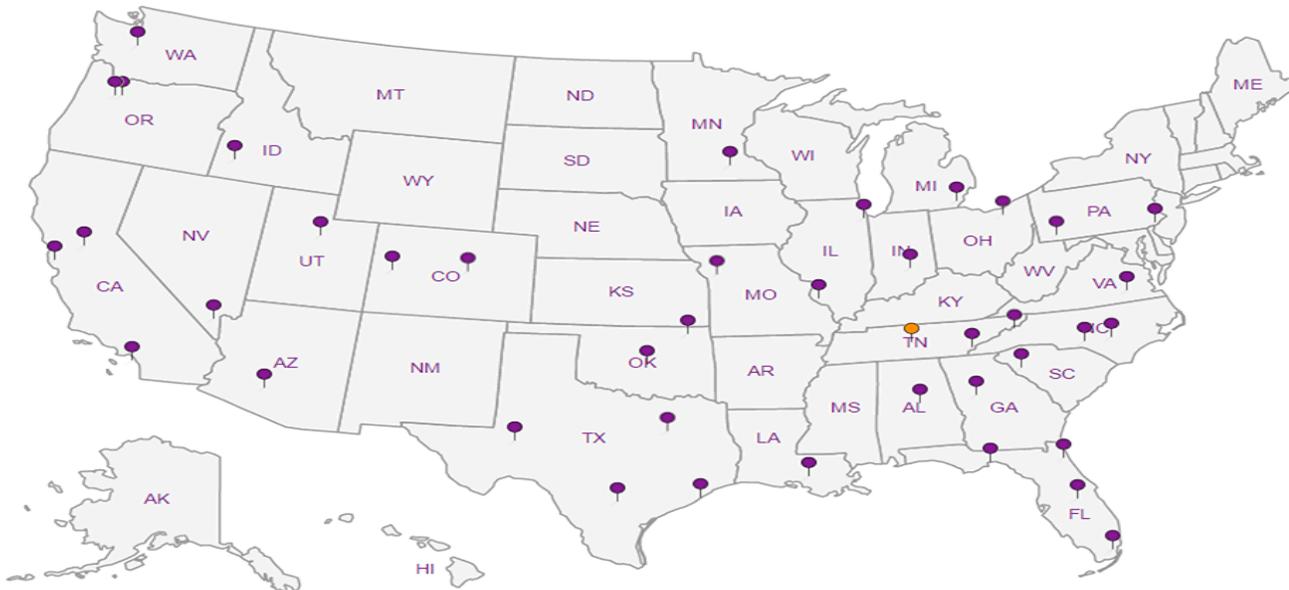
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: **TERRACON-LODI**

Address: **902 INDUSTRIAL WAY, LODI, CA 95240**

Report To: **TONY MIKACICH**

Copy To:

Customer Project Name/Number: **NA207024**

Phone: 209-367-3701
Email: tony.mikacich@terracon.com

Site/Facility ID #: **HENDERSON MIDDLE SCHOOL**

Compliance Monitoring? Yes No

Collected By (print): **WOODS/MAGALLANES**

Collected By (signature):

Sample Disposal:
 Dispose as appropriate Return
 Archive:
 Hold:

Billing Information: **SAME**

Email To: **TONY.MIKACICH@TERRACON.COM**

Site Collection Info/Address: **13451 N. EXTENSION ROAD**

State: **CA** County/City: **SAN JOAQUIN / STOCKTON** Time Zone Collected: PT MT CT ET

Turnaround Date Required: **03/09/2020**

Rush: Same Day Next Day
 2 Day 3 Day 4 Day 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): Yes No

Analysis:

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA Y NA

Custody Signatures Present Y N NA Y NA

Collector Signature Present Y N NA Y NA

Bottles Intact Y NA

Correct Bottles Y NA

Sufficient Volume Y NA

Samples Received on Ice Y N NA Y NA

VOA - Headspace Acceptable Y N NA Y NA

USDA Regulated Soils Y N NA Y NA

Samples in Holding Time Y NA

Residual Chlorine Present Y N NA Y NA

Cl Strips: _____

Sample pH Acceptable Y N NA _____

pH Strips: _____

Sulfide Present Y N NA _____

Lead Acetate Strips: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-W-D-13-1"	SOIL	GRAB	03/06/20	10:18				1
SS-W-D-13-6"	SOIL	GRAB	03/06/20	10:20				1
SS-W-D-14-1"	SOIL	GRAB	03/06/20	10:22				1
SS-W-D-14-6"	SOIL	GRAB	03/06/20	10:24				1
SS-W-D-15-1"	SOIL	GRAB	03/06/20	10:26				1
SS-W-D-15-6"	SOIL	GRAB	03/06/20	10:27				1
SS-W-D-16-1"	SOIL	GRAB	03/06/20	10:31				1
SS-W-D-16-6"	SOIL	GRAB	03/06/20	10:32				1

EPA 6010B - TOTAL LEAD

C033

Customer Remarks / Special Conditions / Possible Hazards: **COMPOSITE (4:1) SS-W-D-13-1" TO SS-W-D-16-1" COMPOSITE (4:1) SS-W-D-13-6" TO SS-W-D-16-6"**

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#:

Cooler 1 Temp Upon Receipt: **10.0** °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments:

Relinquished by/Company: (Signature) **Y. M. L. Tinnon** Date/Time: **3-6-20 / 1400**

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time: **3/6/20 9:15**

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

RAD SCREEN: <0.5 mR/hr

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____



Terracon - Sacramento, CA

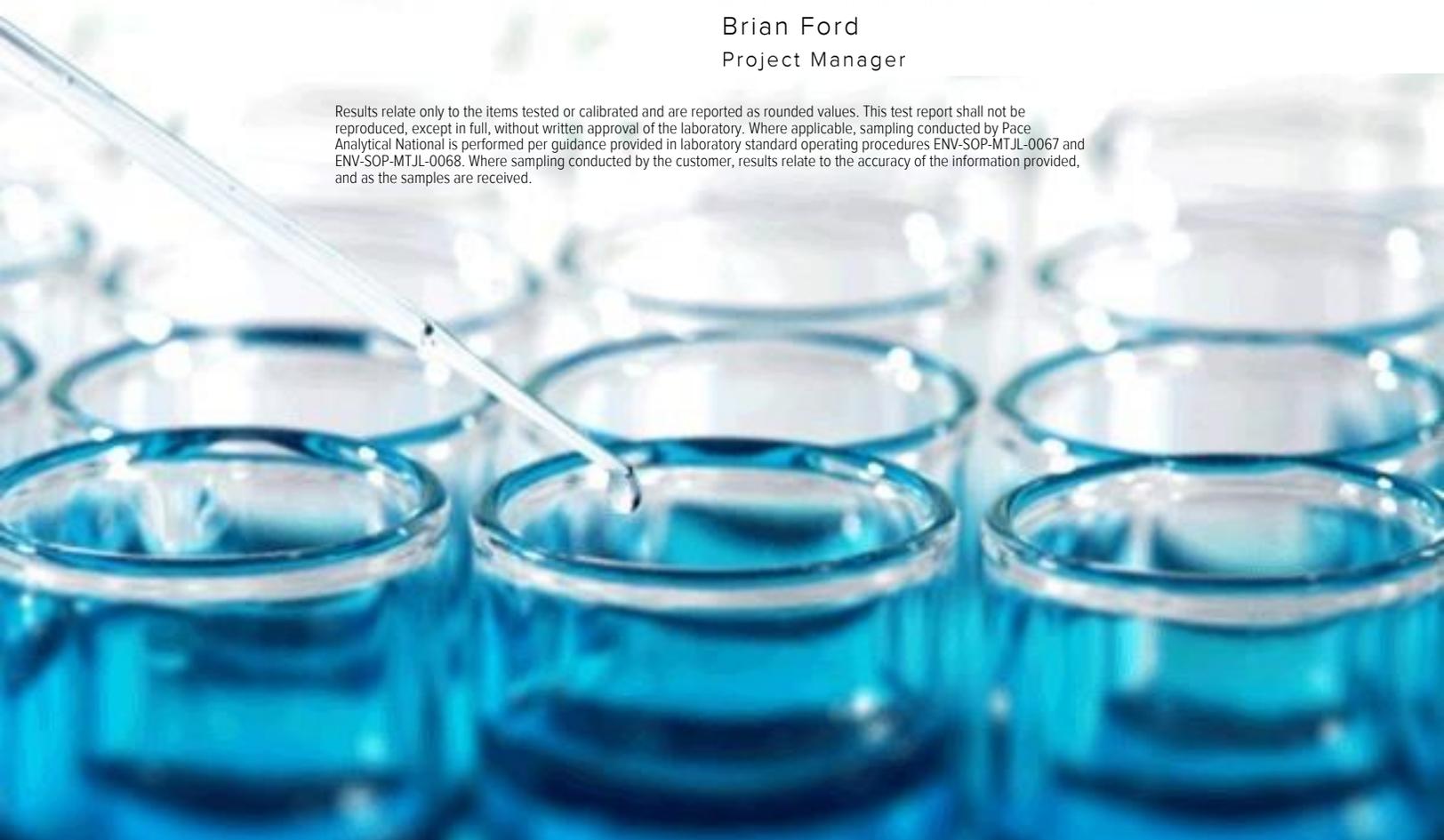
Sample Delivery Group: L1196618
Samples Received: 03/07/2020
Project Number: NA207024
Description:
Site: HENDERSON MIDDLE SCHOOL
Report To: Tony Mikacich
50 Goldenland Ct
Suite 100
Sacramento, CA 95834

Entire Report Reviewed By:



Brian Ford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	
Tc: Table of Contents	2	
Ss: Sample Summary	3	
Cn: Case Narrative	4	
Ds: Detection Summary	5	
Sr: Sample Results	6	
SS-W-S-1" COMP L1196618-01	6	
SS-W-S-6" COMP L1196618-02	7	
Qc: Quality Control Summary	8	
Total Solids by Method 2540 G-2011	8	
Metals (ICP) by Method 6010B	9	
Gl: Glossary of Terms	10	
Al: Accreditations & Locations	11	
Sc: Sample Chain of Custody	12	

SAMPLE SUMMARY



SS-W-S-1" COMP L1196618-01 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440462	1	03/09/20 16:24	03/09/20 16:33	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:41	CCE	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

SS-W-S-6" COMP L1196618-02 Solid

Collected by Woods/Magallanes Collected date/time 03/06/20 00:00 Received date/time 03/07/20 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1440462	1	03/09/20 16:24	03/09/20 16:33	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1440046	1	03/08/20 09:31	03/09/20 00:43	CCE	Mt. Juliet, TN

⁴ Cn

⁵ Ds

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Project Manager

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



Metals (ICP) by Method 6010B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
SS-W-S-1" COMP	<u>L1196618-01</u>	Lead	641		0.193	0.508	1	03/09/2020 00:41	WG1440046
SS-W-S-6" COMP	<u>L1196618-02</u>	Lead	113		0.194	0.511	1	03/09/2020 00:43	WG1440046

- ¹Cp
- ²Tc
- ³Ss
- ⁴Cn
- ⁵Ds
- ⁶Sr
- ⁷Qc
- ⁸Gl
- ⁹Al
- ¹⁰Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.5		1	03/09/2020 16:33	WG1440462

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	641		0.193	0.508	1	03/09/2020 00:41	WG1440046

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	03/09/2020 16:33	WG1440462

Metals (ICP) by Method 6010B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Lead	113		0.194	0.511	1	03/09/2020 00:43	WG1440046

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc



Method Blank (MB)

(MB) R3506960-1 03/09/20 16:33

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Ds

L1196618-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196618-02 03/09/20 16:33 • (DUP) R3506960-3 03/09/20 16:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	97.9	98.0	1	0.0474		10

⁶ Sr

⁷ Qc

Laboratory Control Sample (LCS)

(LCS) R3506960-2 03/09/20 16:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁸ Gl

⁹ Al

¹⁰ Sc



Method Blank (MB)

(MB) R3506578-1 03/08/20 23:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Lead	U		0.190	0.500

¹Cp

²Tc

³Ss

Laboratory Control Sample (LCS)

(LCS) R3506578-2 03/08/20 23:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.4	99.4	80.0-120	

⁴Cn

⁵Ds

L1196372-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196372-01 03/08/20 23:52 • (MS) R3506578-5 03/09/20 00:00 • (MSD) R3506578-6 03/09/20 00:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
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- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Ds
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

Qualifier Description

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Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

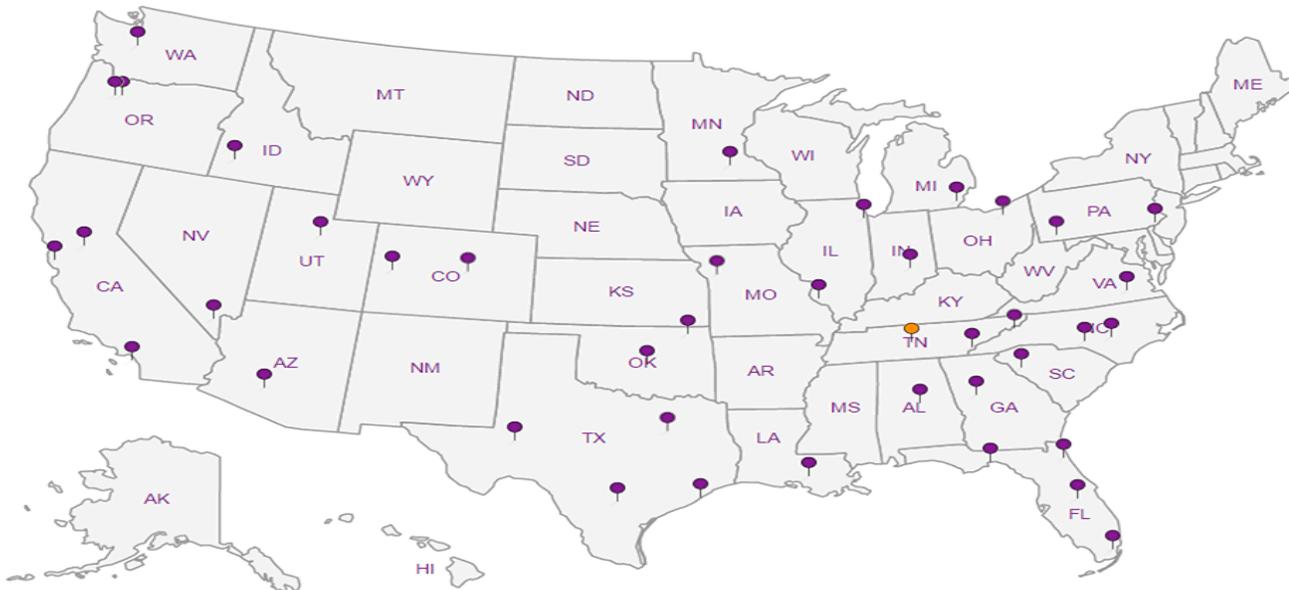
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1 Cp

2 Tc

3 Ss

4 Cn

5 Ds

6 Sr

7 Qc

8 Gl

9 Al

10 Sc



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: **TERRACON-LODI** Billing Information: **SAME**

Address: **902 INDUSTRIAL WAY, LODI, CA 95240**

Report To: **TONY MIKACICH** Email To: **TONY.MIKACICH@TERRACON.COM**

Copy To:

Customer Project Name/Number: **NA207024** State: **CA** County/City: **SAN JOAQUIN / STOCKTON** Time Zone Collected: **PT [] MT [] CT [] ET**

Phone: 209-367-3701 Site/Facility ID #: **HENDERSON MIDDLE SCHOOL** Compliance Monitoring? Yes No

Email: **tony.mikacich@terracon.com** Purchase Order #: **Quote #:** DW PWS ID #: **DW Location Code:**

Collected By (print): **WOODS/MAGALLANES** Turnaround Date Required: **03/09/2020** Immediately Packed on Ice: Yes No

Collected By (signature): **[Signature]** Rush: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges Apply) Field Filtered (if applicable): Yes No

Sample Disposal: Dispose as appropriate Return Archive: Hold: **[Signature]** Analysis: **[Signature]**

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type ** Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

EPA 6010B - TOTAL LEAD

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-W-S-29-1"	SOIL	GRAB	03/06/20	11:12				1
SS-W-S-29-6"	SOIL	GRAB	03/06/20	11:13				1
SS-W-S-30-1"	SOIL	GRAB	03/06/20	11:14				1
SS-W-S-30-6"	SOIL	GRAB	03/06/20	11:15				1
SS-W-S-31-1"	SOIL	GRAB	03/06/20	11:20				1
SS-W-S-31-6"	SOIL	GRAB	03/06/20	11:22				1
SS-W-S-32-1"	SOIL	GRAB	03/06/20	11:25				1
SS-W-S-32-6"	SOIL	GRAB	03/06/20	11:27				1

L1196618-01

C034

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
SS-W-S-29-1"	SOIL	GRAB	03/06/20	11:12				1
SS-W-S-29-6"	SOIL	GRAB	03/06/20	11:13				1
SS-W-S-30-1"	SOIL	GRAB	03/06/20	11:14				1
SS-W-S-30-6"	SOIL	GRAB	03/06/20	11:15				1
SS-W-S-31-1"	SOIL	GRAB	03/06/20	11:20				1
SS-W-S-31-6"	SOIL	GRAB	03/06/20	11:22				1
SS-W-S-32-1"	SOIL	GRAB	03/06/20	11:25				1
SS-W-S-32-6"	SOIL	GRAB	03/06/20	11:27				1

Customer Remarks / Special Conditions / Possible Hazards: **COMPOSITE (4:1) SS-W-S-29-1" TO SS-W-S-32-1" COMPOSITE (4:1) SS-W-S-29-6" TO SS-W-S-32-6"**

7779 5841 2851

Type of Ice Used: Wet Blue Dry None SHORT HOLDS PRESENT (<72 hours): Y N N/A

Packing Material Used: Lab Tracking #:

Radchem sample(s) screened (<500 cpm): Y N NA Samples received via: FEDEX UPS Client Courier Pace Courier

Relinquished by/Company: (Signature) **[Signature]** Date/Time: **3-6-20 / 1400** Received by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: **3/7/20 9:15**

Lab Sample Temperature Info:

Temp Blank Received: Y N NA
Therm ID#: **[Signature]**
Cooler 1 Temp Upon Receipt: **[Signature]** oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments: **RAD SCREEN: <0.5 mR/hr**

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / **[Signature]** Page: of: