EAST PALO ALTO DIRECTOR'S LEVEL READING
REGULAR SESSION AGENDA

Thursday, March 5, 2026, 4:00 PM
EPA Government Center
2415 University Ave, First Floor
East Palo Alto, CA 94303

NOTICE

This meeting meeting will be held virtually conducted on Thursday, February 19, 2026 at 4:00 PM via virtually with no physical meeting location available to the public. Members of the public may participate in the Director's Hearing with this link https://www.cityofepa.org/citycouncil/page/agenda-and-minutes and provide comments by attending the meeting live via Zoom and using the "RAISE HAND" feature when the Director calls for public comment. Community members may provide comments by emailing ajen@cityofepa.org

When: Mar 5, 2026 04:00 PM Pacific Time (US and Canada)

Topic: Directors Hearing TUP26-003

Join from PC, Mac, iPad, or Android:
https://us06web.zoom.us/j/88137866955

Phone one-tap:
+16699006833,,88137866955# US (San Jose)
+16694449171,,88137866955# US
Join via audio:
+1 669 900 6833 US (San Jose)
+1 669 444 9171 US
+1 253 215 8782 US (Tacoma)
+1 346 248 7799 US (Houston)
+1 719 359 4580 US
+1 253 205 0468 US
+1 386 347 5053 US
+1 507 473 4847 US
+1 564 217 2000 US
+1 646 931 3860 US
+1 689 278 1000 US
+1 929 205 6099 US (New York)
+1 301 715 8592 US (Washington DC)
+1 305 224 1968 US
+1 309 205 3325 US
+1 312 626 6799 US (Chicago)
+1 360 209 5623 US
Webinar ID: 881 3786 6955
International numbers available: https://us06web.zoom.us/u/kbIvMJrlxD

1. PUBLIC HEARINGS

1.1 Major Temporary Use Permit (TUP26-003) for a construction staging yard and soil stockpiling for a period of one year.

Recommendation:

1. Approve a Major Temporary Use Permit to Allow for a construction staging yard

and soil stockpiling for a period of one year.

2. Find that the project is Categorically Exempt from the California Environmental Quality Act (CEQA) under Section 15304(e) - Minor Temporary Use of Land

2. ADJOURNMENT

This AGENDA is posted in accordance with Government Code Section 54954.2(a)

This Notice of Availability of Public Records: All public records relating to this Directors Hearing which are not exempt from disclosure pursuant to the Public Records Act, that are distributed will be available for public inspection at the City Clerk's Office, 2415 University Avenue, East Palo Alto, CA at the same time that the public records are distributed or made available to the Planning Director. Such documents may also be available on the East Palo Alto website www.cityofepa.org subject to staff's ability to post the documents prior to the meeting. Information may be obtained by calling (650) 853-3100.

The Directors Hearing packet may be reviewed by the public at the Tate Street Office. Any writings or documents pertaining to an open session item provided to the Director less than 72 hours prior to the meeting, shall be made available for public inspection at the front counter at the Tate Street Office, 1960 Tate Street, East Palo Alto, California 94303 during normal business hours. Information distributed to the Director the Directors Hearing becomes part of the public record. A copy of written material, pictures, etc. should be provided for this purpose.

Requests for disability related modifications or accommodations, aids or services may be made by a person with a disability to the City Clerk's office at (650) 853-3127 no less than 72 hours prior to the meeting as required by Section 202 of the Americans with Disabilities Act of 1990 and the federal rules and regulations adopted in implementation thereof.

DECLARATION OF POSTING

This Notice is posted in accordance with Government Code §54954.2(a) or §54956. Members of the public can view electronic agendas and staff reports by accessing the City website. Under penalty of perjury, this Agenda was posted to the public at least 72 hours prior to the meeting.

POSTED: 3/2/26

ATTEST:
Alvin Jen
Alvin Jen
Associate Planner

C I T Y O F E A S T P A L O A L T O
Planning Division
1960 Tate Street • East Palo Alto, CA 94303
Tel: (650) 853-3185 • Fax: (650) 853-3179

Temporary Use Permit

Application #: **TUP26 - 003**
Date: **March 5, 2026**
Issued By: **Planning Division**
Project Planner: **Alvin Jen**

I. Property Information:

Applicant/Owner:	Precision Engineering Inc./Woodland Glory Investment, LLC.
Location/ APN(s):	1893 Woodland Avenue / APN 603-501-010
General Plan Designation:	Medium Density Residential
Zoning:	R-MD-1 - Multiple-Family Medium Density Residential Subzone 1
Flood Zone:	AE (100-year flood zone)
Existing Use:	Vacant Land
CEQA Status:	Exempt, CEQA Categorical Exemption 15304 (e) - Minor Temporary Use of Land
Public Notification:	Provided a radius mailing of owners within 300 feet of the subject sites on 2/23/2026

II. Project Description:

The applicant proposes a Temporary Use Permit (TUP) to allow a construction staging yard at 1893 Woodland Avenue, East Palo Alto. The site will accommodate construction equipment, materials, and the stockpiling of up to 666 cubic yards (CY) of soil for a period of up to one year.

The subject parcel is a corner lot approximately 1.07 acres in size, is located between West Bayshore Road and Woodland Avenue. The site is currently vacant and contains no structures. It previously operated as the Glory Mobile Home and RV Park, which included 29 dedicated spaces. All residents vacated the premises in 2021, and operations ceased at that time. In 2022, the City approved a demolition permit to remove two structures, and in 2023, an encroachment permit was issued to disconnect existing natural gas lines. No site activity has occurred since 2023.

The applicant has been awarded a Capital Improvement Project by the City of Palo Alto to extend storm drain facilities within Hamilton Avenue right-of-way, from Rhodes Drive to Center Drive, approximately one (1) mile from the subject site. The applicant plans to temporarily store construction equipment and vehicles, trench shoring equipment, and materials associated with the project, including up to 666 CY of soil (base rock and drain rock), at the site. The proposed soil stockpile would measure approximately 75 feet by 40 feet and up to six (6) feet in height.

The applicant submitted a soils report from the source site to verify that any imported soil is free of contamination. The subject site is secured with perimeter fencing to restrict unauthorized access.

III. Findings and Decisions for Temporary Use:

The City of East Palo Alto (EPA) Development Code Section 18.94.080 requires the following findings to be made for approval of a Temporary Use Permit:

1. **The operation of the requested temporary use at the location proposed and within the time period specified will not endanger, jeopardize, or otherwise constitute a menace to the public convenience, health, safety, or general welfare.**

The proposed project is expected to generate no more than five (5) truck trips per day, with each truck carrying an average load of ten (10) cubic yards (CY) over the duration of the temporary use permit. On-site operations are limited to Monday through Friday, from 7:00 a.m. to 5:00 p.m., with no work permitted son Saturdays, Sundays, or national holidays. These hours are aligned with the City's permitted Hours of Construction Activity.

Any noise or air quality impacts will be managed in accordance with Construction Best Management Practices (BMPs) and the Conditions of Approval included in this permit.

Prior to soil importation, soil manifests and sampling plans shall be submitted to the City's Planning Manager for review and approval. The Planning, Building, Engineering, and Environmental Services Divisions of the City of East Palo Alto have reviewed the project and recommended conditions, where appropriate, to ensure the temporary use does not adversely affect public health, safety, or general welfare.

2. **The operation of the requested temporary use will not be detrimental to adjoining properties through the creation of excessive dust, light, noise, odor, or other objectionable characteristics.**

The proposed project would utilize the western portion of the approximately 1.07-acre site for construction staging activities, including the storage of equipment and the stockpiling of soil and related aggregate materials. The stockpile will remain covered when not in use, and fiber rolls or gravel bags will be placed around the perimeter to

prevent runoff and erosion. Prior to soil importation, soil manifests and sampling plans shall be submitted to the City for review and approval.

No artificial lighting is proposed, as operations are limited to daylight hours.

The East Palo Alto Planning Division has reviewed the proposed use, and imposed conditions to ensure and enforce that the temporary use will not be detrimental to the adjoining properties through the potential creation of dust, light, noise, and odor.

3. **The proposed parcel is adequate in size and shape to accommodate the temporary use without detriment to the enjoyment of other properties located adjacent to and in the vicinity of the subject parcel.**

The subject site is adequately sized and shaped to accommodate the proposed temporary use. The site measures approximately 1.07 acres, with the western portion designated for construction staging and soil stockpiling. The nearest residences are approximately 200 feet west of the subject site. The stockpile would reach a maximum height of approximately six (feet) feet above existing grade at the property line, which is expected to result in minimal visual impacts on adjacent residences. Proposed mesh fencing will provide additional screening from the public view.

4. **The proposed parcel is adequately served by streets or highways having sufficient width and improvements to accommodate the kind and quantity of traffic that the temporary use will or could reasonably be expected to generate.**

The subject site is located in a developed area of the city and south US Highway 101. Access to site will be from West Bayshore Road and Woodland Avenue. The proposed truck route designates West Bayshore Road as the primary access to the subject site. Both streets have sufficient widths and improvements to accommodate the potential traffic flow generated by the temporary use.

5. **Adequate temporary parking to accommodate vehicular traffic to be generated by the use will be available either on-site or at alternate locations acceptable to the Director.**

All required parking for the temporary use would be accommodated on the subject site and not spill over onto the nearby public rights-of-way. Conditions of Approval will require all parking to remain on site, thereby preventing impacts to adjacent public rights-of-way and on-street parking.

6. **The applicant agrees in writing to comply with any and all of the conditions imposed by the Review Authority in the approval of the Temporary Use Permit.**

The applicant has been apprised of all the conditions of approval and has pledged to abide by the letter and spirit of those conditions and has communicated that in writing.

Director's Hearing:

As required by the City of East Palo Alto Municipal Code Section 18.94.070, a public hearing was held for this item on March 5, 2026. Notices were mailed and posted in compliance with the Municipal Code.

Appeal Procedure: In accordance with Chapter 18, Article 7, Section 18.100.030 A. 1 of the City of East Palo Alto City Municipal Code, the Planning Director's decision may be appealed, in writing, to the Planning Commission within 15 days of the determination date. Appeal forms can be obtained from the City's webpage at Planning Applications & Forms | City of East Palo Alto (east-palo-alto.ca.us), and must be submitted with the appropriate fee before the end of the appeal period.

This approval is valid for a period of one (1) year and will lapse on March 16, 2027, if the approval is not exercised. **Please note this deadline as this letter serves as your only reminder of the term of approval and no other notice will be sent by this office.** Please do not hesitate to contact me by telephone at **(650) 680-3189** or by email at **ajen@cityofepa.org** if you have any additional questions regarding this matter.

Conditions of Approval:

PLANNING DIVISION

1. The use shall be in substantial compliance with the application materials submitted as part of East Palo Alto planning application for TUP26-003 dated January 28, 2026.

2. This Temporary Use Permit shall be effective beginning March 17, 2026, and expire on March 16, 2027.

3. The applicant shall defend, indemnify, and hold harmless the city, its officers, agents, and employees from any liability or claims for damages due to the injury of any person, loss of life, or damage to property caused by, or arising out of activities authorized by Temporary Use Permit (TUP26-003).

4. All trash and debris from the site shall be removed at the conclusion of each day. Complete removal of all associated material and equipment related to this temporary use permit must occur by 9:00 PM, March 6, 2027.

5. Minor modifications to the approved plans or proposed uses which are generally consistent with this approval may be approved administratively by the Planning Manager.

6. Failure to appeal this decision in a timely manner, or commencement of any activity related to this temporary use permit, is understood acceptance of all conditions and obligations imposed by this permit and waiving any challenge to the validity of the conditions and obligations stated therein.

7. If the applicant fails to comply with any of the conditions of this permit, the applicant, owner, or tenant shall be subject to permit revocation or enforcement actions pursuant to the City of East Palo Alto Municipal Code. All costs associated with any such actions shall be the responsibility of the applicant, owner, or tenant.

8. If applicable, the applicant shall contact and obtain necessary permits from the Building Division, Engineering Division, Police Department and Menlo Fire prior to initiating new construction or modification authorized under this approval, including but not limited to encroachment permits and clearances from any State or local environmental agencies. The applicant shall confirm if other requirements/coordination are needed.

9. Graffiti from any building or wall surface visible from the public street shall be removed within 72 hours of discovery in a manner that retains the existing color and texture of the building or wall surface as most practically feasible. Building materials amenable to graffiti removal shall be used to the extent feasible.

10. The property shall be kept free of weeds, dry brush, dead vegetation, trash, junk, debris, building materials, any accumulation of newspapers, circulars, flyers, notices, but not limited to, furniture, clothing, large and small appliances, printed material or any other items per EPAMC Chapter 8.10.

11. A building permit is required for all electrical installations. Please check with the Building Division for building permits prior to the site operation.

12. If applicable, temporary structures and uses shall conform to the structural strength, fire safety, means of ingress and egress, light, ventilation, and sanitary requirements to ensure the public health, safety, and general welfare.

13. The applicant shall ensure that on-site parking demand shall be adequately addressed and said parking does not impact the surrounding neighborhood.

14. This permit shall be kept onsite and available for inspection upon request by municipal staff and the general public during the entire duration of the temporary use permit.

15. The applicant shall ensure that all protocols included in the operational letter submitted with the permit application are fully implemented.

16. Countersign this Temporary Use Permit acknowledging the conditions, and that the applicant will comply as stated in the Conditions of Approval.

17. A sign shall be posted on-site at all times indicating a designated contact person along with contact information, including a phone number and email, to address any complaints related to the operation of this Temporary Use Permit.

BUILDING DIVISION:

AT PERMIT SUBMITTAL

18. This project shall be designed to meet the applicable California Building Standards Code that is in effect at the time of building permit application. CBC 1.1.9.

19. Imprint the Conditions of Approval on the plans submitted for use permits.

PRIOR TO THE ISSUANCE OF THE PERMIT

20. BMPs specify washing down equipment. As this is an unused property, please provide clarification on where the water will be coming from.

21. Please provide clarification regarding the laboratory quality control (QC) anomalies noted in the "Analytical Report for Project SD25000 - Hamilton Ave., Palo Alto" (file: 550733level2...pdf). The report's Case Narrative and QC sections indicate the following issues:

    - Antimony Testing: A "High response was observed for antimony" during calibration verification, resulting in the associated data being qualified with a 'b'. Please explain the cause of this anomaly and its impact on the reported antimony concentrations.

    - Volatile Organics Testing: "Low recovery was observed for 1,1-dichloroethene in the MS for batch 392570". Please confirm the validity of the associated sample results given this low recovery.

    Provide a response from the environmental consultant or laboratory addressing these points and confirming that the reported data is reliable for characterizing site conditions.

22. On the site plan:

    - Provide the locations of any fire hydrants. Make sure they are not behind the fence and provide a minimum of three feet clear space around them.

    - Provide the location of the site water meter.

23. All debris removal shall be contained on-site (not in the public right-of-way) in constantly covered bins, which include adequate service.” Please note on plan: The City of East Palo Alto Municipal Code Section 15.04.125 limits construction activity to the following hours:

    Monday through Friday: 7:00 AM to 6:00 PM

    Saturday: 9:00 AM to 5:00 PM

    Sundays and national holidays: No activity allowed

If you have any questions regarding the above comments, please contact me via email or phone below.

Joe Rossbach, MCP, CBO
Senior Inspector / Plans Examiner
City of East Palo Alto | CEDD, Building Services
Tel: (650) 853-5908
Email: jrossbach@cityofepa.org

ENGINEERING DIVISON

24. GRADING PERMIT: Prior to any activity, a grading permit shall be obtained from the Engineering Division with payment of fees per EPAMC 15.48. See the following link for an application. https://www.cityofepa.org/publicworks/page/grading-permit

25. ENGINEERING FEES: All review and inspection fees per the City's Master Fee Schedule shall be paid prior to the issuance of any permits.

26. ENCROACHMENT PERMIT: The developer shall obtain an encroachment permit from the Engineering Division prior to performing any work in the public right-of-way. See the link below for an application. https://www.cityofepa.org/publicworks/page/encroachment-permit

27. CONSTRUCTION VEHICLES, EQUIPMENT, AND MATERIALS: All construction related vehicles, equipment, and materials shall be managed on-site. At no time shall such items be parked or stored in the public right-of-way without an encroachment permit or written approval by the City Engineer.

28. TRAFFIC CONTROL: Activities that require temporary closures of or impacts sidewalks, vehicle and/or bike lanes, or other public paths shall require review and approval by the Engineering Division through an encroachment permit.

29. CONSTRUCTION BEST MANAGEMENT PRACTICES: This project is required to implement stormwater best management practices (BMP) as described by the San Mateo Countywide Water Pollution Prevention Program. The following sheet in the link below shall be included in the plans.https://www.flowstobay.org/wp-content/uploads/2020/04/Countywide-Program-BMP-Plan-Sheet-June-2014-Update.pdf

30. All trucks, on a trip originating in the city and traveling for destinations in the city, shall proceed by the shortest and most direct route to the nearest local truck route and shall deviate there from only by the shortest and most direct route between each destination and the nearest local truck route except that it may go directly to the next destination by the shortest and most direct route without regard to truck routes if it will result in a shorter distance being traveled on restricted streets per EPAMC 10.36. Woodland Avenue shall not be utilized as an alternative truck route and Newell Bridge shall not be utilized for any activities related to this temporary use permit.

Specific requirements:

31. All adjacent storm drains along West Bayshore Road shall be protected within the BMPs. Adjacent storm drains will be inspected periodically for compliance.

32. The storm drain manhole cover shall be protected with a steel plate to prevent damage from construction vehicles.

33. The applicant is required to have a street sweeper on-call to clean any debris generated from the site on Woodland Avenue and West Bayshore Road.

34. The applicant is required to implement dust control measures on site. The applicant is required to submit a City of East Palo Alto Erosion and Sediment Control Plan (E&SC) Review Checklist. https://www.cityofepa.org/publicworks/page/engineering-applications-and-forms

35. The applicant shall obtain a construction hydrant meter from Veolia Water. The applicant also maintain the landscaping surrounding the fire hydrant.

36. Upon completion of site use, the permittee shall clean, repair, or reconstruct any public roadways, curb, gutter, sidewalk or other City properties that may have been damaged due to related activities at the site, as required by the City Engineer. All repairs shall be constructed in conformance with the East Palo Alto Subdivision Regulations, San Mateo County Standard Details for Public Works, Green Book Standard Specifications, American Water Company Code, Sanitary District Sewer code, Fire Code, and other applicable utility plan or standard. Any work proposed in the public right-of –way will require an encroachment permit and payment of applicable fees.

37. The applicant shall provide traffic control signage in both directions of West Bayshore Road. All signage shall be CalTrans approved prior to deployment. The signs shall include the following:

    - CA44 (CA): Trucks entering and existing

    - W3-4: Be prepared to stop
    - W23-1: Slow moving vehicle
    - G20-5aP: Work zone
    - M4-8B: End

38. Follow/comply with C3/C6 construction requirements including the filing of a Notice of Intent (NOI) and storm water pollution prevention plan (SWPPP) with the Regional Water Quality Control Board.

ENVIRONMENTAL SERVICES DIVSION

39. Coordinate site access prior to the construction start date so that City of East Palo Alto's outreach partners can conduct a minimum of 2 visits at least 7 days apart

with any unsheltered individuals living on the property. Access is needed between the hours of 6:00 AM and 8:00 PM. Dates will be decided jointly. The soil shall be covered and secured to prevent erosion, dust, and public access.

MENLO FIRE PROTECTION DISTRICT

Menlo Park Fire Protection District did not require review of this project.

APPROVED _____

DENIED _____

By:

_____
Alvin Jen
Associate Planner

CC’d: Elena Lee, Planning Manager

ACKNOWLEDGEMENT OF CONDITIONS

I have reviewed the conditions of approval and acknowledge to comply with all of the conditions imposed by the City of East Palo Alto Planning Division in the approval of the Temporary Use Permit.

_____

Property Owner or Designee

_____

Precision Engineering Inc.

Attachments:

1. Operational Letter
2. Truck Route
3. Soils Report
4. Erosion and Sediment Control Plan Risk Management Plan

UNIVERSAL PLANNING APPLICATION
COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT

1960 Tate Street, East Palo Alto, CA 94303 (650) 853-3189
planning@cityofepa.org www.cityofepa.org/planning

PROJECT INFORMATION

Project Address
1893 Woodland Avenue, East Palo Alto Ca 94303

Assessor's Parcel Number (APN)

Project Description
Location to be used as a staging yard

APPLICANT INFORMATION

Name Precision Engineering Inc.
ATTN: Enrique Vargas-Sandoval
Address 1939 Newcomb Ave, San Francisco, CA 94124

Phone 415-999-7758
Email Evar@precision-engineering-inc.com

OWNER INFORMATION

Name Woodland Glory Investment LLC
Address 16890 Monterey Road, Morgan Hill, CA 95037

Phone
Email tedkuang@yahoo.com

ARCHITECT/DESIGNER INFORMATION

N/A

Name
Address

Phone
Email

ENGINEER INFORMATION

N/A

Name
Address

Phone
Email

APPLICATION TYPE – PART 1 (check boxes that apply)

	Administrative Design Review (Single story addition, new Single-family home, New guest house, medium projects with staff level approval, small projects)	Sign Permit
	Design Review with public hearing (medium project with public hearing, major project,	Tree Removal Permit
X	Use Permit (Administrative, Conditional, Special, Temporary)	Variance
	Mitigated or Negative Declaration (CEQA)	CEQA-Environment Impact report (EIR)
	Subdivision – lot line adjustment or merger	Planned Development Permit
	Subdivision – Tentative Parcel Map (4 or fewer)	Other _____
	Subdivision – Tentative Tract Map (5 or more lots)	Final Map
	General Plan Amendment	Specific Plan Amendment
	Zone Designation Change	Zone Text Amendment
	Streamlined Review (SB35)	Preliminary Review (SB330)

FOR STAFF USE ONLY

PERMIT NUMBER | DATE RECEIVED COMPLETE PACKET

UNIVERSAL PLANNING APPLICATION
COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT

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planning@cityofepa.org www.cityofepa.org/planning

APPLICATION TYPE – PART 2 (check the box that applies, include sq. ft. under applicable category)

Residential*	Commercial	Industrial	Mixed-Use	Retail	Other / Special Project **
					X 1.13 Acre

*See Housing requirement on page-3 checklist
**Detail of Other / Special project, specify type of project (Additional information may be required, See Stormwater Management)

Gas Station Automotive Restaurant X Parking Lot (>5,000 sq. ft.)

STORMWATER MANAGEMENT

1. Is combined area (existing + proposed) of impervious surface between 0-4,999 sq. ft.?

X Yes No

2. Is the combined area of uncovered parking lot, impervious surface 'equal to' or "greater than' 5,000 sq. ft. and less than 9,999 sq. ft?

X Yes No

3. Is total proposed impervious surface is equal to or greater than 10,000 sq. ft.?

Yes X No

4. Does your project include uses such as gas station, automotive, restaurant, parking lot (over 5,000 sq. ft.)?

X No (To be used as a staging yard)

Additional information may be required if deemed necessary in the review process.

ADDITIONAL QUESTIONS

Does this Property currently have an Active Code Case?

Yes No X Not Sure
Specify Code number:

Properties with active code cases will need to comply with all requirements set forth by Code Enforcement. This includes scheduling 30-day inspections.

Does this project qualify for streamlining per Senate Bill SB35 (SB35?)

Yes No
Submit Checklist
Please complete the SB35 Eligibility Checklist and review supplemental submittal requirements.

SERVICE AREA COMPLIANCE

Note: Approval by these agencies may be required prior to the issuance of planning and building permits.

X **SEWER: The undersigned shall contact the East Palo Alto Sanitary Sewer District (EPASD) at (650) 325-9021 (epasd.com) or the West Bay Sanitary District at (650) 321-0384 (westbaysanitary.org) to determine the service purveyor. Prior to connecting sewer lines, the undersigned will contact underground service alert at www.usanorth811.org**

WATER: The undersigned shall contact Palo Alto Mutual Water Company at (650) 322-6903, the O'Conner Tract Cooperative Water Company at (650) 321-2723 or the American Water at (650) 322-2083 to comply with any submittal requirements. Prior to connecting water lines, the undersigned will contact underground service alert listed above.

FIRE: Upon building submittal, two(2) additional plan sets will be provided directly to the Menlo Park Fire Prevention District (MPFPD) Menlo Fire Online Permit Center

SCHOOL: The undersigned acknowledges that payment of school impact fees may be required and will be paid upon issuance of Building or Public Works permit. Contact the Sequoia High School District to verify the amount of school fees.

FLOOD INSURANCE RATE MAP: The undersigned certifies that the property
☐ **is NOT** ☐ **is in the Special Flood Hazard Area, if known, per FEMA.**
Acknowledgement (initial) EVS

UNIVERSAL PLANNING APPLICATION
COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT

1960 Tate Street, East Palo Alto, CA 94303 (650) 853-3189
planning@cityofepa.org www.cityofepa.org/planning

AFFIDAVIT OF OWNERSHIP

I hereby guarantee, as authorized agent for the applicant, owner, and project sponsors, that they individually or jointly assume full responsibility for all costs incurred by the City in processing this application. By signing below, the property owner consents that all information is true and accurate and to the processing of the application by the applicant and authorizes the applicant to comply with the requirements places on the application by the City. A letter of authorization from the owner may be submitted in lieu of the property owner's signature. Please sign this affidavit to acknowledge compliance with all requirements set forth.

Property owner's signature	Date	Applicant's signature	Date
	01/23/2026		1/26/26

INDEMNIFICATION AGREEEMENT

As part of the application, the applicant and/or property owner agree to defend, indemnify, and hold harmless the City of East Palo Alto, its agents, officers, council members, employees, boards, commissions and Commission from any and all claims, actions or proceedings brought against any of the foregoing individuals or entities, seeking to attack, set aside, void or annul any approval of the application or related decision, or the processing or adoption of any environmental documents or negative declarations which relate to the approval.

This indemnification shall include, but is not limited to, all damages, costs, expenses, attorney fees, or expert witness fees that may be awarded to the prevailing party arising out of or in connection with the approval of the application or related decision, whether or not there is concurrent, passive or active negligence on the part of the City, its agents, officers, council members, employees, boards, commissions, and Council. If for any reason any portion of this indemnification agreement is held to be void or unenforceable by a court of competent jurisdiction, the remainder of the agreement shall remain in full force and effect. The City of East Palo Alto shall have the right to appear and defend its interest in any litigation arising from the approval of the application or any related decision through its City Attorney or outside counsel selected by the City Attorney. The applicant shall be required to reimburse the City for attorney's fees incurred by the City in connection with the litigation.

I have read and agree with all the above.

Property owner's signature	Date	Applicant's signature	Date
	01/23/2026		1/26/26

UNIVERSAL PLANNING APPLICATION
COMMUNITY AND ECONOMIC DEVELOPMENT
DEPARTMENT

1960 Tate Street, East Palo Alto, CA 94303 (650) 853-3189
planning@cityofepa.org www.cityofepa.org/planning

ARCHITECTURAL DRAWINGS COPYRIGHT STATEMENT

Under California State Government Code Section §65103.5 (State Law), official copies of architectural drawings submitted to the City of East Palo Alto Community and Economic Development Department (Department) may contain protected information under federal copyright law. State Law nevertheless allows the City of East Palo Alto to maintain official copies of architectural drawings. Such drawings may be subject to public inspection or review on the Department's premises, the City's planning agency. Copies, however, may be made for internal review, provided to various governing bodies, including the Planning Commission and City Council, or otherwise made public as part of a development application during a public hearing.

Except otherwise provided for under State Law, the City will ensure the drawings are made available to the public in a way that does not facilitate duplication, including that they are not to be copied or posted to the internet by the Department.

Pursuant to State Law, the City hereby requests that the undersigned provide a site plan or a massing diagram for posting online or for distribution to the public. If, however, such site plan and/or massing diagram is not submitted, permission is deemed granted to the Community Development and Economic Department to post online the architectural drawings without the restrictions that would otherwise apply.

BASED ON THE FOREGOING, THE UNDERSIGNED ATTESTS AS FOLLOWS:
I, the design professional, or owner of the copyright if different from the design professional, acknowledge that the City of East Palo Alto Community and Economic Development Department has formally requested a "site plan" and/or "massing diagram" to accompany this application for posting online or for distribution to the public. If I fail to submit a "site plan" or "massing diagram" for online posting or for distribution to the public, then permission is deemed granted to post online or to provide to the public (if requested) copies of the architectural drawings without the restrictions that would otherwise apply.

If the design professional, or owner of the copyright if different than the design professional, does not consent to the posting of only certain selected drawings, please draft a letter stating that authorization has not been granted to the City of East Palo Alto Community and Development Department to post those particular drawings, and provide any details that may help in locating the drawings in question.

Please include a physical or digital signature on the letter mailed to:
City of East Palo Alto Community and Economic Development Department
1960 Tate Street
East Palo Alto, CA 94303

Or by email to: planning@cityofepa.org

	01/23/2026		1/26/26
Property owner's signature	Date	Applicant's signature	Date

Precion Engineering Inc.
1893 Woodland Avenue East Palo Alto, Ca 94303
Staging Yard use plan
January 22nd, 2026

DESCRIPTION

The 1893 Woodland Ave site is a vacant parcel of approximately 1.13 acres and contains no existing building structures. The property is located between Woodland Avenue and West Bayshore Road.

The proposed use of the site is for the temporary storage of construction equipment, including but not limited to excavators, backhoes, skid steers, tool trucks, water trucks, and trench- shoring equipment such as steel plates, shoring cylinders, and related materials. The site will also be used to store construction materials, including HDPE pipe, manhole materials, and catch basin materials.

In addition, the site will be used for the storage of aggregates, such as drain rock and base rock, and for stockpiling of covered and tested soil in quantities of up to approximately 666 cubic yards at any given time (approximately 75 feet by 40 feet by 6 feet high).

The site is fully enclosed and secured with a chain-link fence.

The usage of this staging yard is for a storm drain project for the City of Palo Alto , On Hamilton Avenue from Rhodes Drive to Center Drive.

Site Description

The property located at 1893 Woodland Avenue is a vacant parcel consisting of approximately 1.13 acres with no existing building structures. The site is situated between Woodland Avenue and West Bayshore Road.

Proposed Use

The site will be utilized as a temporary construction staging yard in support of a storm drain improvement project for the City of Palo Alto, located along Hamilton Avenue between Rhodes Drive and Center Drive.

The staging yard will be used for the temporary storage of construction equipment, including but not limited to:

* Excavators
* Backhoes
* Skid steers
* Tool trucks
* Water trucks
* Trench shoring equipment (steel plates, shoring cylinders, and related materials)

In addition, the site will be used for the storage of construction materials, including:

* HDPE pipe
* Manhole materials
* Catch basin materials

The site will also be used for the storage of aggregates, such as drain rock and base rock, and for temporary soil stockpiling in quantities of up to approximately 666 cubic yards at any given time (approximately 75 feet long by 40 feet wide by 6 feet high). The soil has been tested and will also be covered upon stockpiling.

The property is fully enclosed and secured with a chain-link fence.

Zoning and Adjacent Land Uses

The site at 1893 Woodland Avenue is zoned R-MD-1

Adjacent Land Uses:
North Side:
* Fix Auto Palo Alto, 1880 W Bayshore Rd, Palo Alto, CA 94303
* Ace Fire Equipment & Service Co., Inc., 1870 W Bayshore Rd, East Palo Alto, CA 94303

South Side:
* Woodland Creek Condominiums, 1982 W Bayshore Rd, East Palo Alto, CA 94303

Operating Information:

Hours of Operation:
Monday through Friday: 7:00 AM to 5:00 PM

Inspection and monitoring activities will occur during normal business hours and, only if necessary, during off-business hours. After-hours monitoring will not require any special lighting.

Site Usage and Staffing:

The staging yard will be used by approximately 5 to 7 employees as a morning and afternoon meeting point prior to mobilizing to and demobilizing from the construction site.

Precision Engineering Inc. anticipates use of the site through December 2026
Transportation and Parking

Approximately 3 to 5 employee personal vehicles will be parked on site during operating hours. Site parking is currently unstriped, and no formal parking stalls are required.

Construction equipment will remain stored on site and will be mobilized to and from the Hamilton Avenue construction area within the approved operating hours.

Noise:

Site-related noise will be limited to normal construction activities associated with the movement of vehicles and equipment, including excavators, skid steers, and backhoes. Noise will primarily occur during morning equipment mobilization and at the end of the workday when equipment is returned and secured on site.

EXHIBIT A

Location Map

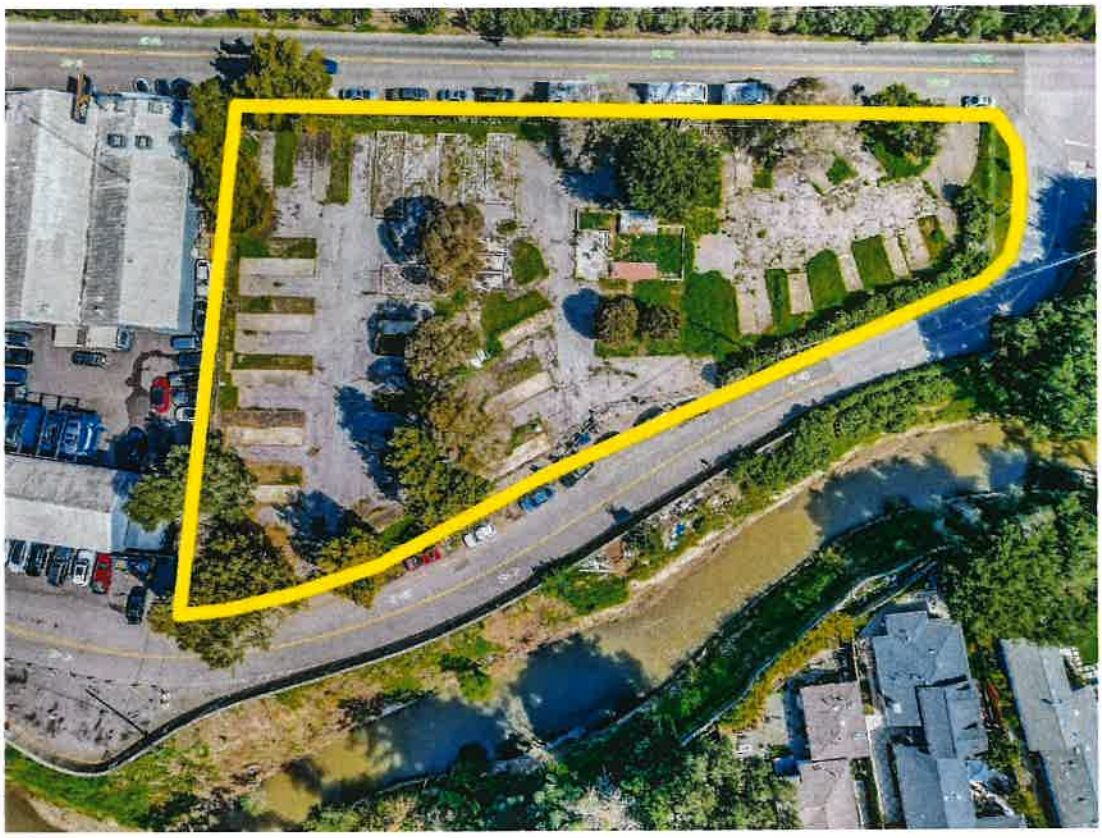


EXHIBIT B

Zoning Map

Land Use Zones

① 4 Corners: Mixed Use (Residential, Retail, Office/Lab) (22 - 86 DU/A)

② Bay Road Central (Residential, Retail, Medical, Civic) (22 - 65 DU/A)

③ Ravenswood Employment Center (Low/Medium-Intensity Industrial/Lab/Office, Retail/Community)

④ Industrial Transition (Low/Medium-Intensity Industrial/PDR)

⑤ Waterfront Office (High-Intensity Office/Lab/Industrial)

⑥ Urban Residential (Medium/High-Density Residential) (22 - 43 DU/A)

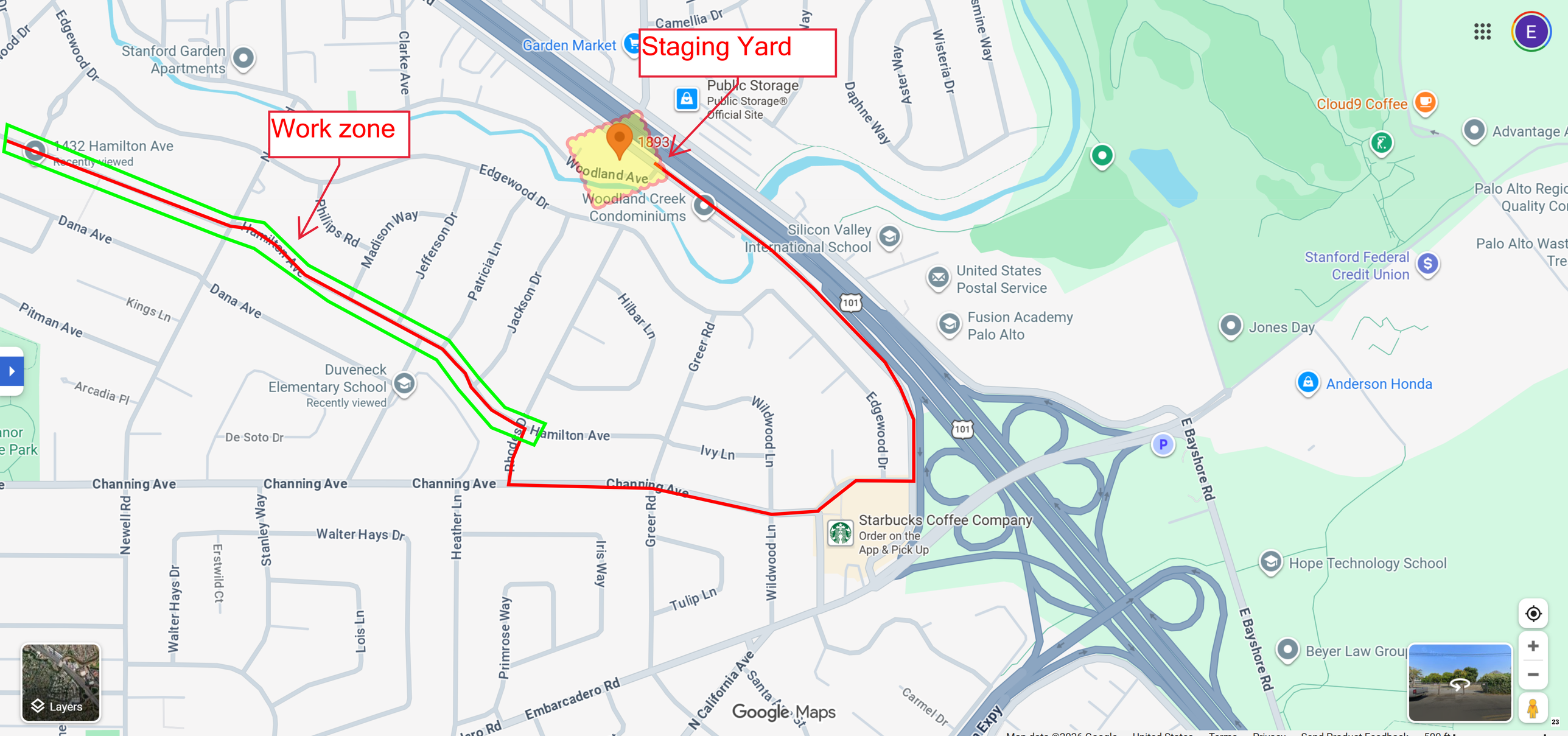
Overlay Zones (see Municipal Code)

Ⓐ R-MD-1 (15 DU/A) Low-Density Residential

Ⓑ R-MD-2 (22 DU/A) Low/Medium-Density Residential

Ⓒ R-HD-5 (43 DU/A) Medium-High Residential / Mixed-Use

Ⓓ Bay Road Central (50 DU/A) Medium-High Residential / Mixed-Use


Staging Yard
Work zone
Garden Market
Public Storage
Public Storage®
Official Site
1893
Woodland Ave
Woodland Creek
Condominiums
Stanford Garden
Apartments
1432 Hamilton Ave
Recently viewed
Clarke Ave
Edgewood Dr
Phillips Rd
Madison Way
Jefferson Dr
Patricia Ln
Jackson Dr
Hilbar Ln
Greer Rd
Wildwood Ln
Dana Ave
Hamilton Ave
Kings Ln
Pitman Ave
Arcadia Pl
De Soto Dr
Duveneck
Elementary School
Recently viewed
Channing Ave
Ivy Ln
Newell Rd
Stanley Way
Walter Hays Dr
Heather Ln
Iris Way
Primrose Way
Tulip Ln
Lois Ln
Embarcadero Rd
N California Ave
Santa Inez St
Carmel Dr
Daphne Way
Aster Way
Wisteria Dr
Jasmine Way
Camellia Dr
Silicon Valley
International School
United States
Postal Service
Fusion Academy
Palo Alto
Cloud9 Coffee
Stanford Federal
Credit Union
Jones Day
Anderson Honda
Starbucks Coffee Company
Order on the
App & Pick Up
Hope Technology School
Beyer Law Group
E Bayshore Rd
101
Layers
Google Maps

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

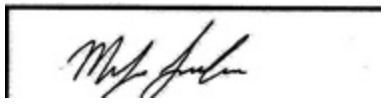
Lab Job Number : 550733
Report Level : II
Report Date : 01/19/2026

Analytical Report *prepared for:*

Finbar Brody
Precision Engineering
1939 Newcomb Avenue
San Francisco, Ca 94124

Project: SD25000 - Hamilton Ave., Palo Alto

Authorized for release by:



Miguel Gamboa, Project Manager
miguel.gamboa@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, CA ELAP #1338-S1, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Finbar Brody Precision Engineering 1939 Newcomb Avenue San Francisco, Ca 94124		Lab Job #: Project No: Location: Date Received:	550733 SD25000 Hamilton Ave., Palo Alto 01/13/26

Sample ID	Lab ID	Collected	Matrix
SAMPLE 1	550733-001	01/13/26 09:00	Soil

ENTHALPY ANALYTICAL

Case Narrative

Precision Engineering 1939 Newcomb Avenue San Francisco, Ca 94124 Finbar Brody	Lab Job Number: 550733 Project No: SD25000 Location: Hamilton Ave., Palo Alto Date Received: 01/13/26

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 01/14/26. The sample was received in good condition.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015M):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- Low recovery was observed for 1,1-dichloroethene in the MS for batch 392570; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270E):
No analytical problems were encountered.

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
No analytical problems were encountered.

Pesticides (EPA 8081A):
No analytical problems were encountered.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6020 and EPA 7471A):

- High response was observed for antimony in the ICV analyzed 01/15/26 13:15; affected data was qualified with "b".
- High responses were observed for antimony in the CCV analyzed 01/15/26 15:03 and the CCV analyzed 01/15/26 16:40; affected data was qualified with "b".
- No other analytical problems were encountered.

Moisture (ASTM D2216M):
No analytical problems were encountered.

Asbestos (CARB 435):
Micro Analytical Laboratories in Emeryville, CA performed the analysis (see sublab report section for certifications). Please see the Micro Analytical Laboratories case narrative.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley
2323 5th Street, Berkeley, CA 94710
Phone 510-486-0900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 2.8/3.2 IR5 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Precision Engineering	Name:	Hamilton Ave, Palo Alto
Report To:	Finbar Brody	Number:	SD25000
Email:	fbrody@precision-engineering-inc.com	P.O. #:	25-115
Address:	1939 Newcomb Avenue	Address:	
	San Francisco, Ca 94124		
Phone:	415-760-8718	Global ID:	
Fax:		Sampled By:	

Login 550733

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	CAM 17 6020	Pest 8081- Low Level	PCB	SVOCs + PAH SIM	VOCs, 8260	TPH-d/mo, TPH-g	CARB 435	Moisture	Test Instructions / Comments
1	Sample 1	01/13/26	9:00 am	S	1	-	x	x	x	x	x	x	x	x	
2	NATIVE SOIL STA: 32+00, 2FT DEEP		9:00 am	S	1		X	X	X	X	X	X	X	X	
3	NATIVE SOIL STA: 32+00, 4FT DEEP		9:00 am	S	1		X	X	X	X	X	X	X	X	
4	NATIVE SOIL, STA: 32+00, 6FT DEEP		9:00 am	S	1		X	X	X	X	X	X	X	X	
5	NATIVE SOIL, STA: 32+00, 8FT DEEP		9:00 am	S	1		X	X	X	X	X	X	X	X	
6															
7															
8															
9															
10															

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		FINBAR BRODY	PRECISION ENG	1/12/26 11:50 am
[1] Received By:				1/13/26 1150
[2] Relinquished By:				
[2] Received By:		JXR	EA	1/14/26 0830
[3] Relinquished By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1/13/26 WO# 550733 Client: Precision Engineering

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☑ No

Custody seals intact on arrival? ☑ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☑ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/13/26 By (initials) mm Type of ice used: ☐ Wet ☐ Blue/Gel ☑ None

☑ Samples received ~~on ice~~ directly from the field; ~~cooling process had begun~~. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____/_____ Thermometer/IR Gun: _____ CF: _____

Cooler Temp (°C) #1: _____/_____ #2: _____/_____ #3: _____/_____ #4: _____/_____ #5: _____/_____ #6: _____/_____

Section 3b: Microbiology Samples ☑ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☑ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?		✓	
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)		✓	
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.) Client field composited sample listing 2-5 into sample 1.

☐ **No additional discrepancies**

Date Logged 1/13/26 **By (print)** mm **(sign)** _____

Date Labeled 1-13-26 **By (print)** SMC **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 1/14/26 WO# 550733 Client: PRECISION ENG

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ■ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☐ Walk-In ☐ Field Sampling ■ Shipping Info: INTRASTATE

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 1/14/26 By (initials) FPD Type of ice used: ■ Wet ☐ Blue/Gel ☐ None

☐ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: IR 15 CF: +0.4

Cooler Temp (°C) #1: 2.8 / 3.2 #2: ____ / ____ #3: ____ / ____ #4: ____ / ____ #5: ____ / ____ #6: ____ / ____

Section 3b: Microbiology Samples ■ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ■ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☒ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	X		
2) Is the sampler's name present on the CoC?		X	
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	X		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	X		
5) Were all of, and only, the correct samples received?	X		
6) Are sample labels present, legible, and in agreement with the CoC?	X		
7) Does the container count match the CoC?	X		
8) Was sufficient sample volume / mass received for the analyses requested?	X		
9) Were samples received in proper containers for the analyses requested?	X		
10) Were samples received with > 1/2 holding time remaining?	X		
11) Are samples properly preserved as indicated by CoC / labels?	X		
12) Unpreserved VOAs received - If necessary, was the hold time changed in LIMS?			X
13) Are VOA vials free from headspace/bubbles > 6mm?			X

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

See previous checklist

☐ **No additional discrepancies**

Date Logged 1/13/26 **By (print)** EMV **(sign)** _____

Date Labeled 1/13/26 **By (print)** EMV **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 550733

Finbar Brody
Precision Engineering
1939 Newcomb Avenue
San Francisco, Ca 94124

Lab Job #: 550733
Project No: SD25000
Location: Hamilton Ave., Palo Alto
Date Received: 01/13/26

Sample ID: SAMPLE 1 **Lab ID: 550733-001** **Collected: 01/13/26 09:00**
Matrix: Soil **Basis: Dry**

550733-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: ASTM D2216M Prep Method: METHOD									
Moisture, Percent	**25**		%	1	1	392763	01/16/26	01/19/26	HXO
Method: EPA 6020 Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Arsenic	**8.1**		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Barium	**260**		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Beryllium	ND		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Cadmium	ND		mg/Kg	0.67	1	392593	01/15/26	01/15/26	DXC
Chromium	**65**		mg/Kg	2.7	1	392593	01/15/26	01/15/26	DXC
Cobalt	**17**		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Copper	**38**		mg/Kg	2.7	1	392593	01/15/26	01/15/26	DXC
Lead	**9.8**		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Molybdenum	**1.5**		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Nickel	**71**		mg/Kg	2.7	1	392593	01/15/26	01/15/26	DXC
Selenium	ND		mg/Kg	5.3	1	392593	01/15/26	01/15/26	DXC
Silver	ND		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Thallium	ND		mg/Kg	1.3	1	392593	01/15/26	01/15/26	DXC
Vanadium	**65**		mg/Kg	2.7	1	392593	01/15/26	01/15/26	DXC
Zinc	**100**		mg/Kg	13	1	392593	01/15/26	01/15/26	DXC
Method: EPA 7471A Prep Method: EPA 7471A									
Mercury	ND		mg/Kg	0.22	1.2	392597	01/15/26	01/15/26	MLL
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	4.0	1	392564	01/15/26	01/15/26	ILK
Surrogates				**Limits**					
Bromofluorobenzene (FID)	97%		%REC	59-122	1	392564	01/15/26	01/15/26	ILK
Method: EPA 8015M Prep Method: EPA 3580M									
DRO C10-C28	ND		mg/Kg	13	1	392608	01/15/26	01/15/26	DIB
ORO C28-C44	ND		mg/Kg	27	1	392608	01/15/26	01/15/26	DIB
Surrogates				**Limits**					
n-Triacontane	86%		%REC	59-136	1	392608	01/15/26	01/15/26	DIB
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
beta-BHC	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
gamma-BHC	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
delta-BHC	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Heptachlor	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 550733

550733-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Heptachlor epoxide	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Endosulfan I	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Dieldrin	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
4,4'-DDE	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Endrin	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Endosulfan II	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Endosulfan sulfate	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
4,4'-DDD	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Endrin aldehyde	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Endrin ketone	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
4,4'-DDT	ND		ug/Kg	1.3	1	392508	01/15/26	01/16/26	XLY
Methoxychlor	ND		ug/Kg	13	1	392508	01/15/26	01/16/26	XLY
Toxaphene	ND		ug/Kg	27	1	392508	01/15/26	01/16/26	XLY
Chlordane (Technical)	ND		ug/Kg	13	1	392508	01/15/26	01/16/26	XLY
Surrogates				**Limits**					
TCMX	73%		%REC	58-120	1	392508	01/15/26	01/16/26	XLY
Decachlorobiphenyl	66%		%REC	47-120	1	392508	01/15/26	01/16/26	XLY
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1221	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1232	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1242	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1248	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1254	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1260	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1262	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Aroclor-1268	ND		ug/Kg	67	1	392566	01/15/26	01/16/26	KLR
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	104%		%REC	50-127	1	392566	01/15/26	01/16/26	KLR
Method: EPA 8260B Prep Method: EPA 5030B									
Freon 12	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Chloromethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Vinyl Chloride	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Bromomethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Chloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Trichlorofluoromethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Acetone	ND		ug/Kg	130	0.99	392570	01/15/26	01/15/26	HMN
Freon 113	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,1-Dichloroethene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Methylene Chloride	ND		ug/Kg	27	0.99	392570	01/15/26	01/15/26	HMN
MTBE	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
trans-1,2-Dichloroethene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,1-Dichloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
2-Butanone	ND		ug/Kg	130	0.99	392570	01/15/26	01/15/26	HMN
cis-1,2-Dichloroethene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
2,2-Dichloropropane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Chloroform	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Bromochloromethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 550733

550733-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1-Trichloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,1-Dichloropropene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Carbon Tetrachloride	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2-Dichloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Benzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Trichloroethene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2-Dichloropropane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Bromodichloromethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Dibromomethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
4-Methyl-2-Pentanone	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
cis-1,3-Dichloropropene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Toluene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
trans-1,3-Dichloropropene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,1,2-Trichloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,3-Dichloropropane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Tetrachloroethene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Dibromochloromethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2-Dibromoethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Chlorobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,1,1,2-Tetrachloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Ethylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
m,p-Xylenes	ND		ug/Kg	13	0.99	392570	01/15/26	01/15/26	HMN
o-Xylene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Styrene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Bromoform	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Isopropylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,1,2,2-Tetrachloroethane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2,3-Trichloropropane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Propylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Bromobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,3,5-Trimethylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
2-Chlorotoluene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
4-Chlorotoluene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
tert-Butylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2,4-Trimethylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
sec-Butylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
para-Isopropyl Toluene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,3-Dichlorobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,4-Dichlorobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
n-Butylbenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2-Dichlorobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2,4-Trichlorobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Hexachlorobutadiene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Naphthalene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
1,2,3-Trichlorobenzene	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Xylene (total)	ND		ug/Kg	6.6	0.99	392570	01/15/26	01/15/26	HMN
Surrogates				**Limits**					
Dibromofluoromethane	99%		%REC	70-130	0.99	392570	01/15/26	01/15/26	HMN
1,2-Dichloroethane-d4	97%		%REC	70-130	0.99	392570	01/15/26	01/15/26	HMN
Toluene-d8	99%		%REC	70-130	0.99	392570	01/15/26	01/15/26	HMN
Bromofluorobenzene	98%		%REC	70-130	0.99	392570	01/15/26	01/15/26	HMN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 550733

550733-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8270C-SIM Prep Method: EPA 3546									
1-Methylnaphthalene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
2-Methylnaphthalene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Naphthalene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Acenaphthylene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Acenaphthene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Fluorene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Phenanthrene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Anthracene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Fluoranthene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Pyrene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Benzo(a)anthracene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Chrysene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Benzo(b)fluoranthene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Benzo(k)fluoranthene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Benzo(a)pyrene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Dibenz(a,h)anthracene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Benzo(g,h,i)perylene	ND		ug/Kg	13	1	392827	01/17/26	01/18/26	MSS
Surrogates				**Limits**					
Nitrobenzene-d5	66%		%REC	44-120	1	392827	01/17/26	01/18/26	MSS
2-Fluorobiphenyl	64%		%REC	46-120	1	392827	01/17/26	01/18/26	MSS
Terphenyl-d14	62%		%REC	52-120	1	392827	01/17/26	01/18/26	MSS
Method: EPA 8270E Prep Method: EPA 3546									
Carbazole	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
1-Methylnaphthalene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Pyridine	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
N-Nitrosodimethylamine	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Phenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Aniline	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
bis(2-Chloroethyl)ether	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
2-Chlorophenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
1,3-Dichlorobenzene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
1,4-Dichlorobenzene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzyl alcohol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
1,2-Dichlorobenzene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2-Methylphenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
bis(2-Chloroisopropyl) ether	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
3-,4-Methylphenol	ND		ug/Kg	530	0.99	392585	01/16/26	01/18/26	ZFA
N-Nitroso-di-n-propylamine	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Hexachloroethane	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Nitrobenzene	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
Isophorone	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2-Nitrophenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2,4-Dimethylphenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzoic acid	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
bis(2-Chloroethoxy)methane	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2,4-Dichlorophenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
1,2,4-Trichlorobenzene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 550733

550733-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Naphthalene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
4-Chloroaniline	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Hexachlorobutadiene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
4-Chloro-3-methylphenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2-Methylnaphthalene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Hexachlorocyclopentadiene	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
2,4,6-Trichlorophenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2,4,5-Trichlorophenol	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2-Chloronaphthalene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2-Nitroaniline	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Dimethylphthalate	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Acenaphthylene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2,6-Dinitrotoluene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
3-Nitroaniline	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Acenaphthene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2,4-Dinitrophenol	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
4-Nitrophenol	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
Dibenzofuran	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
2,4-Dinitrotoluene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Diethylphthalate	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Fluorene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
4-Chlorophenyl-phenylether	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
4-Nitroaniline	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
4,6-Dinitro-2-methylphenol	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
N-Nitrosodiphenylamine	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
1,2-diphenylhydrazine (as azobenzene)	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
4-Bromophenyl-phenylether	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Hexachlorobenzene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Pentachlorophenol	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
Phenanthrene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Anthracene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Di-n-butylphthalate	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Fluoranthene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzidine	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
Pyrene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Butylbenzylphthalate	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
3,3'-Dichlorobenzidine	ND		ug/Kg	1,600	0.99	392585	01/16/26	01/18/26	ZFA
Benzo(a)anthracene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Chrysene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
bis(2-Ethylhexyl)phthalate	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Di-n-octylphthalate	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzo(b)fluoranthene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzo(k)fluoranthene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzo(a)pyrene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Dibenz(a,h)anthracene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Benzo(g,h,i)perylene	ND		ug/Kg	330	0.99	392585	01/16/26	01/18/26	ZFA
Surrogates				**Limits**					
2-Fluorophenol	62%		%REC	34-120	0.99	392585	01/16/26	01/18/26	ZFA
Phenol-d6	65%		%REC	40-120	0.99	392585	01/16/26	01/18/26	ZFA
2,4,6-Tribromophenol	59%		%REC	28-120	0.99	392585	01/16/26	01/18/26	ZFA
Nitrobenzene-d5	84%		%REC	42-120	0.99	392585	01/16/26	01/18/26	ZFA

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 550733

550733-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
2-Fluorobiphenyl	68%		%REC	46-120	0.99	392585	01/16/26	01/18/26	ZFA
Terphenyl-d14	61%		%REC	50-120	0.99	392585	01/16/26	01/18/26	ZFA

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1331569	Batch:	392763
Matrix (Source ID):	Soil (550488-002)	Method:	ASTM D2216M	Prep Method:	METHOD

QC1331569 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	Basis	DF
Moisture, Percent	10.34	10.83	%		5	20		1

Type:	Blank	Lab ID:	QC1330979	Batch:	392593
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1330979 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	1.0	01/15/26	01/15/26
Arsenic	ND		mg/Kg	1.0	01/15/26	01/15/26
Barium	ND		mg/Kg	1.0	01/15/26	01/15/26
Beryllium	ND		mg/Kg	1.0	01/15/26	01/15/26
Cadmium	ND		mg/Kg	0.50	01/15/26	01/15/26
Chromium	ND		mg/Kg	1.0	01/15/26	01/15/26
Cobalt	ND		mg/Kg	1.0	01/15/26	01/15/26
Copper	ND		mg/Kg	1.0	01/15/26	01/15/26
Lead	ND		mg/Kg	0.50	01/15/26	01/15/26
Molybdenum	ND		mg/Kg	1.0	01/15/26	01/15/26
Nickel	ND		mg/Kg	1.0	01/15/26	01/15/26
Selenium	ND		mg/Kg	2.0	01/15/26	01/15/26
Silver	ND		mg/Kg	0.50	01/15/26	01/15/26
Thallium	ND		mg/Kg	1.0	01/15/26	01/15/26
Vanadium	ND		mg/Kg	2.0	01/15/26	01/15/26
Zinc	ND		mg/Kg	7.0	01/15/26	01/15/26

Type:	Lab Control Sample	Lab ID:	QC1330980	Batch:	392593
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1330980 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	110.3	100.0	mg/Kg	110%	b	80-120
Arsenic	98.21	100.0	mg/Kg	98%		80-120
Barium	108.1	100.0	mg/Kg	108%		80-120
Beryllium	105.3	100.0	mg/Kg	105%		80-120
Cadmium	109.1	100.0	mg/Kg	109%		80-120
Chromium	104.4	100.0	mg/Kg	104%		80-120
Cobalt	108.2	100.0	mg/Kg	108%		80-120
Copper	109.6	100.0	mg/Kg	110%		80-120
Lead	105.6	100.0	mg/Kg	106%		80-120
Molybdenum	97.65	100.0	mg/Kg	98%		80-120
Nickel	108.9	100.0	mg/Kg	109%		80-120
Selenium	93.62	100.0	mg/Kg	94%		80-120
Silver	53.29	50.00	mg/Kg	107%		80-120
Thallium	104.1	100.0	mg/Kg	104%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	102.3	100.0	mg/Kg	102%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Post Digest Spike	Lab ID:	QC1330983	Batch:	392593
Matrix (Source ID):	Soil (550654-001)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1330983 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	106.6	1.974	100.0	mg/Kg	105%	b	75-125	1
Arsenic	106.8	5.558	100.0	mg/Kg	101%		75-125	1
Barium	246.9	140.1	100.0	mg/Kg	107%		75-125	1
Beryllium	104.7	0.3827	100.0	mg/Kg	104%		75-125	1
Cadmium	105.0	0.7765	100.0	mg/Kg	104%		75-125	1
Chromium	122.3	20.44	100.0	mg/Kg	102%		75-125	1
Cobalt	111.2	6.337	100.0	mg/Kg	105%		75-125	1
Copper	124.1	18.56	100.0	mg/Kg	106%		75-125	1
Lead	117.2	17.84	100.0	mg/Kg	99%		75-125	1
Molybdenum	98.82	1.849	100.0	mg/Kg	97%		75-125	1
Nickel	126.0	20.95	100.0	mg/Kg	105%		75-125	1
Selenium	96.58	ND	100.0	mg/Kg	97%		75-125	1
Silver	50.47	ND	50.00	mg/Kg	101%		75-125	1
Thallium	100.4	0.3425	100.0	mg/Kg	100%		75-125	1
Vanadium	143.0	42.78	100.0	mg/Kg	100%		75-125	1
Zinc	168.0	65.74	100.0	mg/Kg	102%		75-125	1

Type:	Serial Dilution	Lab ID:	QC1331139	Batch:	392593
Matrix (Source ID):	Soil (550654-001)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1331139 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	1.974	mg/Kg				5
Arsenic	5.465	5.558	mg/Kg				5
Barium	144.8	140.1	mg/Kg				5
Beryllium	ND	0.3827	mg/Kg				5
Cadmium	ND	0.7765	mg/Kg				5
Chromium	20.04	20.44	mg/Kg				5
Cobalt	6.659	6.337	mg/Kg				5
Copper	19.23	18.56	mg/Kg				5
Lead	19.33	17.84	mg/Kg				5
Molybdenum	ND	1.849	mg/Kg				5
Nickel	21.73	20.95	mg/Kg				5
Selenium	ND	ND	mg/Kg				5
Silver	ND	ND	mg/Kg				5
Thallium	ND	0.3425	mg/Kg				5
Vanadium	43.01	42.78	mg/Kg				5
Zinc	76.02	65.74	mg/Kg				5

Type:	Blank	Lab ID:	QC1331003	Batch:	392597
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1331003 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	01/15/26	01/15/26

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1331004	Batch:	392597
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1331004 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8315	0.8333	mg/Kg	100%		80-120

Type:	Matrix Spike	Lab ID:	QC1331005	Batch:	392597
Matrix (Source ID):	Soil (550733-001)	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1331005 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8517	0.04780	0.8475	mg/Kg	95%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1331006	Batch:	392597
Matrix (Source ID):	Soil (550733-001)	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1331006 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8881	0.04780	0.8772	mg/Kg	96%		75-125	1	20	1.1

Type:	Lab Control Sample	Lab ID:	QC1330851	Batch:	392564
Matrix:	Soil	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1330851 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.688	5.000	mg/Kg	114%		80-124
Surrogates						
Bromofluorobenzene (FID)	0.1993	0.2000	mg/Kg	100%		59-122

Type:	Matrix Spike	Lab ID:	QC1330852	Batch:	392564
Matrix (Source ID):	Soil (550733-001)	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1330852 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	4.669	ND	5.123	mg/Kg	91%		74-126	1
Surrogates								
Bromofluorobenzene (FID)	0.1933		0.2049	mg/Kg	94%		59-122	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1330853	Batch:	392564
Matrix (Source ID):	Soil (550733-001)	Method:	EPA 8015B	Prep Method:	EPA 5030B

QC1330853 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	4.734	ND	4.950	mg/Kg	96%		74-126	5	24	0.99
Surrogates										
Bromofluorobenzene (FID)	0.1997		0.1980	mg/Kg	101%		59-122			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1330854	Batch: 392564
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1330854 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	01/15/26	01/15/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	99%		%REC	59-122	01/15/26	01/15/26

Type: Blank	Lab ID: QC1330855	Batch: 392564
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1330855 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	01/15/26	01/15/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	99%		%REC	59-122	01/15/26	01/15/26

Type: Blank	Lab ID: QC1331042	Batch: 392564
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1331042 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	01/15/26	01/15/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	96%		%REC	59-122	01/15/26	01/15/26

Type: Blank	Lab ID: QC1331043	Batch: 392564
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5030B

QC1331043 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	01/15/26	01/15/26
Surrogates				**Limits**		
Bromofluorobenzene (FID)	81%		%REC	59-122	01/15/26	01/15/26

Type: Blank	Lab ID: QC1331044	Batch: 392608
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1331044 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	10	01/15/26	01/15/26
ORO C28-C44	ND		mg/Kg	20	01/15/26	01/15/26
Surrogates				**Limits**		
n-Triacontane	87%		%REC	59-136	01/15/26	01/15/26

Type: Lab Control Sample	Lab ID: QC1331045	Batch: 392608
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1331045 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	210.9	247.5	mg/Kg	85%		61-120
Surrogates						
n-Triacontane	8.219	9.901	mg/Kg	83%		59-136

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1331052	Batch:	392608
Matrix (Source ID):	Soil (550681-001)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1331052 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	251.9	6.967	249.6	mg/Kg	98%		47-127	1
Surrogates								
n-Triacontane	9.116		9.985	mg/Kg	91%		59-136	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1331053	Batch:	392608
Matrix (Source ID):	Soil (550681-001)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1331053 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	231.5	6.967	247.8	mg/Kg	91%		47-127	8	48	0.99
Surrogates										
n-Triacontane	9.579		9.911	mg/Kg	97%		59-136			0.99

Type:	Blank	Lab ID:	QC1330694	Batch:	392508
Matrix:	Soil	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1330694 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	0.99	01/14/26	01/15/26
beta-BHC	ND		ug/Kg	0.99	01/14/26	01/15/26
gamma-BHC	ND		ug/Kg	0.99	01/14/26	01/15/26
delta-BHC	ND		ug/Kg	0.99	01/14/26	01/15/26
Heptachlor	ND		ug/Kg	0.99	01/14/26	01/15/26
Aldrin	ND		ug/Kg	0.99	01/14/26	01/15/26
Heptachlor epoxide	ND		ug/Kg	0.99	01/14/26	01/15/26
Endosulfan I	ND		ug/Kg	0.99	01/14/26	01/15/26
Dieldrin	ND		ug/Kg	0.99	01/14/26	01/15/26
4,4'-DDE	ND		ug/Kg	0.99	01/14/26	01/15/26
Endrin	ND		ug/Kg	0.99	01/14/26	01/15/26
Endosulfan II	ND		ug/Kg	0.99	01/14/26	01/15/26
Endosulfan sulfate	ND		ug/Kg	0.99	01/14/26	01/15/26
4,4'-DDD	ND		ug/Kg	0.99	01/14/26	01/15/26
Endrin aldehyde	ND		ug/Kg	0.99	01/14/26	01/15/26
Endrin ketone	ND		ug/Kg	0.99	01/14/26	01/15/26
4,4'-DDT	ND		ug/Kg	0.99	01/14/26	01/15/26
Methoxychlor	ND		ug/Kg	9.9	01/14/26	01/15/26
Toxaphene	ND		ug/Kg	20	01/14/26	01/15/26
Chlordane (Technical)	ND		ug/Kg	9.9	01/14/26	01/15/26
Surrogates				**Limits**		
TCMX	93%		%REC	58-120	01/14/26	01/15/26
Decachlorobiphenyl	79%		%REC	47-120	01/14/26	01/15/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1330695**	**Batch:**	**392508**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1330695 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	9.054	10.03	ug/Kg	90%		53-132
beta-BHC	9.162	10.03	ug/Kg	91%		59-131
gamma-BHC	9.445	10.03	ug/Kg	94%		54-132
delta-BHC	9.427	10.03	ug/Kg	94%		54-134
Heptachlor	7.963	10.03	ug/Kg	79%		50-130
Aldrin	8.530	10.03	ug/Kg	85%		46-120
Heptachlor epoxide	8.828	10.03	ug/Kg	88%		52-127
Endosulfan I	9.247	10.03	ug/Kg	92%		53-132
Dieldrin	8.995	10.03	ug/Kg	90%		53-134
4,4'-DDE	9.335	10.03	ug/Kg	93%		53-140
Endrin	9.511	10.03	ug/Kg	95%		53-142
Endosulfan II	10.01	10.03	ug/Kg	100%		53-138
Endosulfan sulfate	12.71	10.03	ug/Kg	127%		50-134
4,4'-DDD	8.683	10.03	ug/Kg	87%		50-136
Endrin aldehyde	8.104	10.03	ug/Kg	81%		15-120
Endrin ketone	11.88	10.03	ug/Kg	118%		50-146
4,4'-DDT	9.951	10.03	ug/Kg	99%		46-142
Methoxychlor	11.14	10.03	ug/Kg	111%		48-156
Surrogates						
TCMX	8.547	10.03	ug/Kg	85%		58-120
Decachlorobiphenyl	8.158	10.03	ug/Kg	81%		47-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1330696**	**Batch:**	**392508**
Matrix (Source ID):	**Soil (550451-002)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1330696 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	8.037	ND	10.19	ug/Kg	79%		52-120	1
beta-BHC	7.641	ND	10.19	ug/Kg	75%		57-126	1
gamma-BHC	8.759	ND	10.19	ug/Kg	86%		54-122	1
delta-BHC	8.815	ND	10.19	ug/Kg	86%		44-127	1
Heptachlor	7.363	ND	10.19	ug/Kg	72%		51-122	1
Aldrin	7.422	ND	10.19	ug/Kg	73%		51-120	1
Heptachlor epoxide	6.904	ND	10.19	ug/Kg	68%		50-122	1
Endosulfan I	7.708	ND	10.19	ug/Kg	76%		48-123	1
Dieldrin	9.861	2.915	10.19	ug/Kg	68%		48-128	1
4,4'-DDE	7.395	ND	10.19	ug/Kg	73%		50-139	1
Endrin	9.083	ND	10.19	ug/Kg	89%		53-132	1
Endosulfan II	8.719	ND	10.19	ug/Kg	86%		47-131	1
Endosulfan sulfate	10.39	ND	10.19	ug/Kg	102%		40-126	1
4,4'-DDD	7.046	ND	10.19	ug/Kg	69%		48-130	1
Endrin aldehyde	6.267	ND	10.19	ug/Kg	61%		26-120	1
Endrin ketone	10.58	ND	10.19	ug/Kg	104%		51-133	1
4,4'-DDT	8.070	ND	10.19	ug/Kg	79%		40-144	1
Methoxychlor	9.132	ND	10.19	ug/Kg	90%		49-148	1
Surrogates								
TCMX	7.318		10.19	ug/Kg	72%		58-120	1
Decachlorobiphenyl	6.959		10.19	ug/Kg	68%		47-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1330697	Batch:	392508
Matrix (Source ID):	Soil (550451-002)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1330697 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	8.606	ND	9.852	ug/Kg	87%		52-120	10	37	0.99
beta-BHC	8.683	ND	9.852	ug/Kg	88%		57-126	16	38	0.99
gamma-BHC	9.468	ND	9.852	ug/Kg	96%		54-122	11	39	0.99
delta-BHC	9.204	ND	9.852	ug/Kg	93%		44-127	8	54	0.99
Heptachlor	8.127	ND	9.852	ug/Kg	82%		51-122	13	44	0.99
Aldrin	8.400	ND	9.852	ug/Kg	85%		51-120	16	39	0.99
Heptachlor epoxide	8.382	ND	9.852	ug/Kg	85%		50-122	23	39	0.99
Endosulfan I	8.759	ND	9.852	ug/Kg	89%		48-123	16	47	0.99
Dieldrin	11.35	2.915	9.852	ug/Kg	86%		48-128	17	43	0.99
4,4'-DDE	8.524	ND	9.852	ug/Kg	87%		50-139	18	42	0.99
Endrin	9.036	ND	9.852	ug/Kg	92%		53-132	3	45	0.99
Endosulfan II	10.06	ND	9.852	ug/Kg	102%		47-131	18	46	0.99
Endosulfan sulfate	10.62	ND	9.852	ug/Kg	108%		40-126	6	52	0.99
4,4'-DDD	8.026	ND	9.852	ug/Kg	81%		48-130	16	46	0.99
Endrin aldehyde	7.195	ND	9.852	ug/Kg	73%		26-120	17	57	0.99
Endrin ketone	12.22	ND	9.852	ug/Kg	124%		51-133	18	43	0.99
4,4'-DDT	9.809	ND	9.852	ug/Kg	100%		40-144	23	56	0.99
Methoxychlor	11.81	ND	9.852	ug/Kg	120%		49-148	29	53	0.99
Surrogates										
TCMX	7.615		9.852	ug/Kg	77%		58-120			0.99
Decachlorobiphenyl	7.688		9.852	ug/Kg	78%		47-120			0.99

Type:	Blank	Lab ID:	QC1330859	Batch:	392566
Matrix:	Soil	Method:	EPA 8082	Prep Method:	EPA 3546

QC1330859 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1221	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1232	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1242	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1248	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1254	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1260	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1262	ND		ug/Kg	50	01/15/26	01/16/26
Aroclor-1268	ND		ug/Kg	50	01/15/26	01/16/26
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	113%		%REC	50-127	01/15/26	01/16/26

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1330863	Batch: 392566
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1330863 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	534.0	500.0	ug/Kg	107%		66-120
Aroclor-1260	590.5	500.0	ug/Kg	118%		63-126
Surrogates						
Decachlorobiphenyl (PCB)	54.85	50.00	ug/Kg	110%		50-127

Type: Matrix Spike	Lab ID: QC1330864	Batch: 392566
Matrix (Source ID): Soil (550733-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1330864 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	541.2	ND	505.1	ug/Kg	107%		60-123	1
Aroclor-1260	578.1	ND	505.1	ug/Kg	114%		55-136	1
Surrogates								
Decachlorobiphenyl (PCB)	52.10		50.51	ug/Kg	103%		50-127	1

Type: Matrix Spike Duplicate	Lab ID: QC1330865	Batch: 392566
Matrix (Source ID): Soil (550733-001)	Method: EPA 8082	Prep Method: EPA 3546

QC1330865 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	491.4	ND	505.1	ug/Kg	97%		60-123	10	37	1
Aroclor-1260	519.9	ND	505.1	ug/Kg	103%		55-136	11	41	1
Surrogates										
Decachlorobiphenyl (PCB)	47.34		50.51	ug/Kg	94%		50-127			1

Type: Lab Control Sample	Lab ID: QC1330880	Batch: 392570
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC1330880 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	44.66	50.00	ug/Kg	89%		72-130
MTBE	44.49	50.00	ug/Kg	89%		69-127
Benzene	49.18	50.00	ug/Kg	98%		76-126
Trichloroethene	48.97	50.00	ug/Kg	98%		74-121
Toluene	50.52	50.00	ug/Kg	101%		78-121
Chlorobenzene	52.48	50.00	ug/Kg	105%		80-121
Surrogates						
Dibromofluoromethane	52.16	50.00	ug/Kg	104%		70-130
1,2-Dichloroethane-d4	50.97	50.00	ug/Kg	102%		70-130
Toluene-d8	51.01	50.00	ug/Kg	102%		70-130
Bromofluorobenzene	51.49	50.00	ug/Kg	103%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1330881**	**Batch:**	**392570**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1330881 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	41.63	50.00	ug/Kg	83%		72-130	7	26
MTBE	42.79	50.00	ug/Kg	86%		69-127	4	25
Benzene	47.69	50.00	ug/Kg	95%		76-126	3	24
Trichloroethene	47.65	50.00	ug/Kg	95%		74-121	3	26
Toluene	49.18	50.00	ug/Kg	98%		78-121	3	24
Chlorobenzene	50.27	50.00	ug/Kg	101%		80-121	4	23
Surrogates								
Dibromofluoromethane	51.99	50.00	ug/Kg	104%		70-130		
1,2-Dichloroethane-d4	51.50	50.00	ug/Kg	103%		70-130		
Toluene-d8	51.41	50.00	ug/Kg	103%		70-130		
Bromofluorobenzene	51.53	50.00	ug/Kg	103%		70-130		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1330884**	**Batch:**	**392570**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1330884 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/Kg	5.0	01/15/26	01/15/26
Chloromethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Vinyl Chloride	ND		ug/Kg	5.0	01/15/26	01/15/26
Bromomethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Chloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Trichlorofluoromethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Acetone	ND		ug/Kg	100	01/15/26	01/15/26
Freon 113	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1-Dichloroethene	ND		ug/Kg	5.0	01/15/26	01/15/26
Methylene Chloride	ND		ug/Kg	20	01/15/26	01/15/26
MTBE	ND		ug/Kg	5.0	01/15/26	01/15/26
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1-Dichloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
2-Butanone	ND		ug/Kg	100	01/15/26	01/15/26
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	01/15/26	01/15/26
2,2-Dichloropropane	ND		ug/Kg	5.0	01/15/26	01/15/26
Chloroform	ND		ug/Kg	5.0	01/15/26	01/15/26
Bromochloromethane	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1,1-Trichloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1-Dichloropropene	ND		ug/Kg	5.0	01/15/26	01/15/26
Carbon Tetrachloride	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2-Dichloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Benzene	ND		ug/Kg	5.0	01/15/26	01/15/26
Trichloroethene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2-Dichloropropane	ND		ug/Kg	5.0	01/15/26	01/15/26
Bromodichloromethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Dibromomethane	ND		ug/Kg	5.0	01/15/26	01/15/26
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	01/15/26	01/15/26
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	01/15/26	01/15/26
Toluene	ND		ug/Kg	5.0	01/15/26	01/15/26
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1,2-Trichloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
1,3-Dichloropropane	ND		ug/Kg	5.0	01/15/26	01/15/26
Tetrachloroethene	ND		ug/Kg	5.0	01/15/26	01/15/26
Dibromochloromethane	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2-Dibromoethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Chlorobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
Ethylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
m,p-Xylenes	ND		ug/Kg	10	01/15/26	01/15/26
o-Xylene	ND		ug/Kg	5.0	01/15/26	01/15/26
Styrene	ND		ug/Kg	5.0	01/15/26	01/15/26
Bromoform	ND		ug/Kg	5.0	01/15/26	01/15/26
Isopropylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2,3-Trichloropropane	ND		ug/Kg	5.0	01/15/26	01/15/26
Propylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26

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Batch QC

QC1330884 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
2-Chlorotoluene	ND		ug/Kg	5.0	01/15/26	01/15/26
4-Chlorotoluene	ND		ug/Kg	5.0	01/15/26	01/15/26
tert-Butylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
sec-Butylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
para-Isopropyl Toluene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,3-Dichlorobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,4-Dichlorobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
n-Butylbenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2-Dichlorobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
Hexachlorobutadiene	ND		ug/Kg	5.0	01/15/26	01/15/26
Naphthalene	ND		ug/Kg	5.0	01/15/26	01/15/26
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	01/15/26	01/15/26
Xylene (total)	ND		ug/Kg	5.0	01/15/26	01/15/26
Surrogates				**Limits**		
Dibromofluoromethane	100%		%REC	70-130	01/15/26	01/15/26
1,2-Dichloroethane-d4	99%		%REC	70-130	01/15/26	01/15/26
Toluene-d8	102%		%REC	70-130	01/15/26	01/15/26
Bromofluorobenzene	99%		%REC	70-130	01/15/26	01/15/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1330885**	**Batch:**	**392570**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1330885 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Freon 12	ND		ug/Kg	250	01/15/26	01/15/26
Chloromethane	ND		ug/Kg	250	01/15/26	01/15/26
Vinyl Chloride	ND		ug/Kg	250	01/15/26	01/15/26
Bromomethane	ND		ug/Kg	250	01/15/26	01/15/26
Chloroethane	ND		ug/Kg	250	01/15/26	01/15/26
Trichlorofluoromethane	ND		ug/Kg	250	01/15/26	01/15/26
Acetone	ND		ug/Kg	5,000	01/15/26	01/15/26
Freon 113	ND		ug/Kg	250	01/15/26	01/15/26
1,1-Dichloroethene	ND		ug/Kg	250	01/15/26	01/15/26
Methylene Chloride	ND		ug/Kg	1,000	01/15/26	01/15/26
MTBE	ND		ug/Kg	250	01/15/26	01/15/26
trans-1,2-Dichloroethene	ND		ug/Kg	250	01/15/26	01/15/26
1,1-Dichloroethane	ND		ug/Kg	250	01/15/26	01/15/26
2-Butanone	ND		ug/Kg	5,000	01/15/26	01/15/26
cis-1,2-Dichloroethene	ND		ug/Kg	250	01/15/26	01/15/26
2,2-Dichloropropane	ND		ug/Kg	250	01/15/26	01/15/26
Chloroform	ND		ug/Kg	250	01/15/26	01/15/26
Bromochloromethane	ND		ug/Kg	250	01/15/26	01/15/26
1,1,1-Trichloroethane	ND		ug/Kg	250	01/15/26	01/15/26
1,1-Dichloropropene	ND		ug/Kg	250	01/15/26	01/15/26
Carbon Tetrachloride	ND		ug/Kg	250	01/15/26	01/15/26
1,2-Dichloroethane	ND		ug/Kg	250	01/15/26	01/15/26
Benzene	ND		ug/Kg	250	01/15/26	01/15/26
Trichloroethene	ND		ug/Kg	250	01/15/26	01/15/26
1,2-Dichloropropane	ND		ug/Kg	250	01/15/26	01/15/26
Bromodichloromethane	ND		ug/Kg	250	01/15/26	01/15/26
Dibromomethane	ND		ug/Kg	250	01/15/26	01/15/26
4-Methyl-2-Pentanone	ND		ug/Kg	250	01/15/26	01/15/26
cis-1,3-Dichloropropene	ND		ug/Kg	250	01/15/26	01/15/26
Toluene	ND		ug/Kg	250	01/15/26	01/15/26
trans-1,3-Dichloropropene	ND		ug/Kg	250	01/15/26	01/15/26
1,1,2-Trichloroethane	ND		ug/Kg	250	01/15/26	01/15/26
1,3-Dichloropropane	ND		ug/Kg	250	01/15/26	01/15/26
Tetrachloroethene	ND		ug/Kg	250	01/15/26	01/15/26
Dibromochloromethane	ND		ug/Kg	250	01/15/26	01/15/26
1,2-Dibromoethane	ND		ug/Kg	250	01/15/26	01/15/26
Chlorobenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	01/15/26	01/15/26
Ethylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
m,p-Xylenes	ND		ug/Kg	500	01/15/26	01/15/26
o-Xylene	ND		ug/Kg	250	01/15/26	01/15/26
Styrene	ND		ug/Kg	250	01/15/26	01/15/26
Bromoform	ND		ug/Kg	250	01/15/26	01/15/26
Isopropylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	01/15/26	01/15/26
1,2,3-Trichloropropane	ND		ug/Kg	250	01/15/26	01/15/26
Propylbenzene	ND		ug/Kg	250	01/15/26	01/15/26

ENTHALPY ANALYTICAL

Batch QC

QC1330885 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Bromobenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,3,5-Trimethylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
2-Chlorotoluene	ND		ug/Kg	250	01/15/26	01/15/26
4-Chlorotoluene	ND		ug/Kg	250	01/15/26	01/15/26
tert-Butylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,2,4-Trimethylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
sec-Butylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
para-Isopropyl Toluene	ND		ug/Kg	250	01/15/26	01/15/26
1,3-Dichlorobenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,4-Dichlorobenzene	ND		ug/Kg	250	01/15/26	01/15/26
n-Butylbenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,2-Dichlorobenzene	ND		ug/Kg	250	01/15/26	01/15/26
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	01/15/26	01/15/26
1,2,4-Trichlorobenzene	ND		ug/Kg	250	01/15/26	01/15/26
Hexachlorobutadiene	ND		ug/Kg	250	01/15/26	01/15/26
Naphthalene	ND		ug/Kg	250	01/15/26	01/15/26
1,2,3-Trichlorobenzene	ND		ug/Kg	250	01/15/26	01/15/26
Xylene (total)	ND		ug/Kg	250	01/15/26	01/15/26
Surrogates				**Limits**		
Dibromofluoromethane	97%		%REC	70-130	01/15/26	01/15/26
1,2-Dichloroethane-d4	97%		%REC	70-130	01/15/26	01/15/26
Toluene-d8	99%		%REC	70-130	01/15/26	01/15/26
Bromofluorobenzene	95%		%REC	70-130	01/15/26	01/15/26

Type: Matrix Spike **Lab ID:** QC1331018 **Batch:** 392570
Matrix (Source ID): Soil (550843-001) **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1331018 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	11.15	ND	20.62	ug/Kg	54%	*	56-129	1
MTBE	11.05	ND	20.62	ug/Kg	54%		47-130	1
Benzene	12.90	ND	20.62	ug/Kg	63%		54-128	1
Trichloroethene	12.38	ND	20.62	ug/Kg	60%		48-128	1
Toluene	13.09	ND	20.62	ug/Kg	63%		53-123	1
Chlorobenzene	13.73	ND	20.62	ug/Kg	67%		50-125	1
Surrogates								
Dibromofluoromethane	52.16		51.55	ug/Kg	101%		70-130	1
1,2-Dichloroethane-d4	50.19		51.55	ug/Kg	97%		70-130	1
Toluene-d8	52.36		51.55	ug/Kg	102%		70-130	1
Bromofluorobenzene	53.73		51.55	ug/Kg	104%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1331019	Batch:	392570
Matrix (Source ID):	Soil (550843-001)	Method:	EPA 8260B	Prep Method:	EPA 5030B

QC1331019 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	11.54	ND	20.62	ug/Kg	56%		56-129	3	41	1
MTBE	11.15	ND	20.62	ug/Kg	54%		47-130	1	44	1
Benzene	13.17	ND	20.62	ug/Kg	64%		54-128	2	45	1
Trichloroethene	12.38	ND	20.62	ug/Kg	60%		48-128	0	47	1
Toluene	13.50	ND	20.62	ug/Kg	65%		53-123	3	43	1
Chlorobenzene	14.08	ND	20.62	ug/Kg	68%		50-125	3	44	1
Surrogates										
Dibromofluoromethane	51.98		51.55	ug/Kg	101%		70-130			1
1,2-Dichloroethane-d4	49.92		51.55	ug/Kg	97%		70-130			1
Toluene-d8	52.03		51.55	ug/Kg	101%		70-130			1
Bromofluorobenzene	52.40		51.55	ug/Kg	102%		70-130			1

Type:	Blank	Lab ID:	QC1331806	Batch:	392827
Matrix:	Soil	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1331806 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	01/17/26	01/18/26
2-Methylnaphthalene	ND		ug/Kg	10	01/17/26	01/18/26
Naphthalene	ND		ug/Kg	10	01/17/26	01/18/26
Acenaphthylene	ND		ug/Kg	10	01/17/26	01/18/26
Acenaphthene	ND		ug/Kg	10	01/17/26	01/18/26
Fluorene	ND		ug/Kg	10	01/17/26	01/18/26
Phenanthrene	ND		ug/Kg	10	01/17/26	01/18/26
Anthracene	ND		ug/Kg	10	01/17/26	01/18/26
Fluoranthene	ND		ug/Kg	10	01/17/26	01/18/26
Pyrene	ND		ug/Kg	10	01/17/26	01/18/26
Benzo(a)anthracene	ND		ug/Kg	10	01/17/26	01/18/26
Chrysene	ND		ug/Kg	10	01/17/26	01/18/26
Benzo(b)fluoranthene	ND		ug/Kg	10	01/17/26	01/18/26
Benzo(k)fluoranthene	ND		ug/Kg	10	01/17/26	01/18/26
Benzo(a)pyrene	ND		ug/Kg	10	01/17/26	01/18/26
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	01/17/26	01/18/26
Dibenz(a,h)anthracene	ND		ug/Kg	10	01/17/26	01/18/26
Benzo(g,h,i)perylene	ND		ug/Kg	10	01/17/26	01/18/26
Surrogates				**Limits**		
Nitrobenzene-d5	71%		%REC	44-120	01/17/26	01/18/26
2-Fluorobiphenyl	75%		%REC	46-120	01/17/26	01/18/26
Terphenyl-d14	69%		%REC	52-120	01/17/26	01/18/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1331807**	**Batch:**	**392827**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1331807 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	150.4	200.0	ug/Kg	75%		51-120
2-Methylnaphthalene	149.1	200.0	ug/Kg	75%		51-120
Naphthalene	147.4	200.0	ug/Kg	74%		50-120
Acenaphthylene	146.5	200.0	ug/Kg	73%		51-120
Acenaphthene	147.0	200.0	ug/Kg	74%		51-120
Fluorene	149.6	200.0	ug/Kg	75%		53-120
Phenanthrene	151.7	200.0	ug/Kg	76%		53-120
Anthracene	150.8	200.0	ug/Kg	75%		54-120
Fluoranthene	159.3	200.0	ug/Kg	80%		53-120
Pyrene	160.1	200.0	ug/Kg	80%		54-120
Benzo(a)anthracene	150.8	200.0	ug/Kg	75%		55-120
Chrysene	153.3	200.0	ug/Kg	77%		54-120
Benzo(b)fluoranthene	151.6	200.0	ug/Kg	76%		50-120
Benzo(k)fluoranthene	154.1	200.0	ug/Kg	77%		51-120
Benzo(a)pyrene	149.9	200.0	ug/Kg	75%		48-120
Indeno(1,2,3-cd)pyrene	155.2	200.0	ug/Kg	78%		50-122
Dibenz(a,h)anthracene	156.8	200.0	ug/Kg	78%		50-122
Benzo(g,h,i)perylene	154.9	200.0	ug/Kg	77%		50-120
Surrogates						
Nitrobenzene-d5	143.9	200.0	ug/Kg	72%		44-120
2-Fluorobiphenyl	153.0	200.0	ug/Kg	76%		46-120
Terphenyl-d14	152.2	200.0	ug/Kg	76%		52-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1331808**	**Batch:**	**392827**
Matrix (Source ID):	**Soil (550654-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1331808 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	135.7	ND	202.0	ug/Kg	67%		47-120	10
2-Methylnaphthalene	133.0	ND	202.0	ug/Kg	66%		46-120	10
Naphthalene	137.7	ND	202.0	ug/Kg	68%		43-120	10
Acenaphthylene	143.1	ND	202.0	ug/Kg	71%		48-120	10
Acenaphthene	136.1	ND	202.0	ug/Kg	67%		43-120	10
Fluorene	126.2	ND	202.0	ug/Kg	62%		49-120	10
Phenanthrene	143.8	ND	202.0	ug/Kg	71%		45-120	10
Anthracene	145.2	ND	202.0	ug/Kg	72%		47-120	10
Fluoranthene	190.0	45.25	202.0	ug/Kg	72%		42-120	10
Pyrene	193.9	49.84	202.0	ug/Kg	71%		43-120	10
Benzo(a)anthracene	173.5	41.22	202.0	ug/Kg	65%		44-123	10
Chrysene	180.9	56.78	202.0	ug/Kg	61%		40-120	10
Benzo(b)fluoranthene	194.4	78.58	202.0	ug/Kg	57%		39-120	10
Benzo(k)fluoranthene	157.1	29.90	202.0	ug/Kg	63%		43-120	10
Benzo(a)pyrene	175.0	58.99	202.0	ug/Kg	57%		38-120	10
Indeno(1,2,3-cd)pyrene	158.2	48.82	202.0	ug/Kg	54%		44-120	10
Dibenz(a,h)anthracene	126.3	ND	202.0	ug/Kg	63%		41-120	10
Benzo(g,h,i)perylene	170.9	62.39	202.0	ug/Kg	54%		43-120	10
Surrogates								
Nitrobenzene-d5	129.8		202.0	ug/Kg	64%		44-120	10
2-Fluorobiphenyl	136.9		202.0	ug/Kg	68%		46-120	10
Terphenyl-d14	134.0		202.0	ug/Kg	66%		52-120	10

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1331809	Batch:	392827
Matrix (Source ID):	Soil (550654-001)	Method:	EPA 8270C-SIM	Prep Method:	EPA 3546

QC1331809 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	128.8	ND	202.0	ug/Kg	64%		47-120	5	33	10
2-Methylnaphthalene	128.4	ND	202.0	ug/Kg	64%		46-120	4	34	10
Naphthalene	133.6	ND	202.0	ug/Kg	66%		43-120	3	36	10
Acenaphthylene	131.6	ND	202.0	ug/Kg	65%		48-120	8	35	10
Acenaphthene	133.3	ND	202.0	ug/Kg	66%		43-120	2	36	10
Fluorene	133.7	ND	202.0	ug/Kg	66%		49-120	6	34	10
Phenanthrene	148.0	ND	202.0	ug/Kg	73%		45-120	3	47	10
Anthracene	143.0	ND	202.0	ug/Kg	71%		47-120	1	45	10
Fluoranthene	201.4	45.25	202.0	ug/Kg	77%		42-120	6	59	10
Pyrene	208.2	49.84	202.0	ug/Kg	78%		43-120	7	61	10
Benzo(a)anthracene	186.4	41.22	202.0	ug/Kg	72%		44-123	7	55	10
Chrysene	195.2	56.78	202.0	ug/Kg	69%		40-120	8	53	10
Benzo(b)fluoranthene	196.0	78.58	202.0	ug/Kg	58%		39-120	1	55	10
Benzo(k)fluoranthene	155.8	29.90	202.0	ug/Kg	62%		43-120	1	44	10
Benzo(a)pyrene	166.5	58.99	202.0	ug/Kg	53%		38-120	5	54	10
Indeno(1,2,3-cd)pyrene	168.6	48.82	202.0	ug/Kg	59%		44-120	6	48	10
Dibenz(a,h)anthracene	129.5	ND	202.0	ug/Kg	64%		41-120	3	46	10
Benzo(g,h,i)perylene	182.8	62.39	202.0	ug/Kg	60%		43-120	7	47	10
Surrogates										
Nitrobenzene-d5	137.3		202.0	ug/Kg	68%		44-120			10
2-Fluorobiphenyl	131.0		202.0	ug/Kg	65%		46-120			10
Terphenyl-d14	127.8		202.0	ug/Kg	63%		52-120			10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1330956	Batch: 392585
Matrix: Soil	Method: EPA 8270E	Prep Method: EPA 3546

QC1330956 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Carbazole	ND		ug/Kg	250	01/16/26	01/17/26
1-Methylnaphthalene	ND		ug/Kg	250	01/16/26	01/17/26
Pyridine	ND		ug/Kg	250	01/16/26	01/17/26
N-Nitrosodimethylamine	ND		ug/Kg	250	01/16/26	01/17/26
Phenol	ND		ug/Kg	250	01/16/26	01/17/26
Aniline	ND		ug/Kg	250	01/16/26	01/17/26
bis(2-Chloroethyl)ether	ND		ug/Kg	1,200	01/16/26	01/17/26
2-Chlorophenol	ND		ug/Kg	250	01/16/26	01/17/26
1,3-Dichlorobenzene	ND		ug/Kg	250	01/16/26	01/17/26
1,4-Dichlorobenzene	ND		ug/Kg	250	01/16/26	01/17/26
Benzyl alcohol	ND		ug/Kg	250	01/16/26	01/17/26
1,2-Dichlorobenzene	ND		ug/Kg	250	01/16/26	01/17/26
2-Methylphenol	ND		ug/Kg	250	01/16/26	01/17/26
bis(2-Chloroisopropyl) ether	ND		ug/Kg	250	01/16/26	01/17/26
3-,4-Methylphenol	ND		ug/Kg	400	01/16/26	01/17/26
N-Nitroso-di-n-propylamine	ND		ug/Kg	250	01/16/26	01/17/26
Hexachloroethane	ND		ug/Kg	250	01/16/26	01/17/26
Nitrobenzene	ND		ug/Kg	1,200	01/16/26	01/17/26
Isophorone	ND		ug/Kg	250	01/16/26	01/17/26
2-Nitrophenol	ND		ug/Kg	250	01/16/26	01/17/26
2,4-Dimethylphenol	ND		ug/Kg	250	01/16/26	01/17/26
Benzoic acid	ND		ug/Kg	1,200	01/16/26	01/17/26
bis(2-Chloroethoxy)methane	ND		ug/Kg	250	01/16/26	01/17/26
2,4-Dichlorophenol	ND		ug/Kg	250	01/16/26	01/17/26
1,2,4-Trichlorobenzene	ND		ug/Kg	250	01/16/26	01/17/26
Naphthalene	ND		ug/Kg	250	01/16/26	01/17/26
4-Chloroaniline	ND		ug/Kg	250	01/16/26	01/17/26
Hexachlorobutadiene	ND		ug/Kg	250	01/16/26	01/17/26
4-Chloro-3-methylphenol	ND		ug/Kg	250	01/16/26	01/17/26
2-Methylnaphthalene	ND		ug/Kg	250	01/16/26	01/17/26
Hexachlorocyclopentadiene	ND		ug/Kg	1,200	01/16/26	01/17/26
2,4,6-Trichlorophenol	ND		ug/Kg	250	01/16/26	01/17/26
2,4,5-Trichlorophenol	ND		ug/Kg	250	01/16/26	01/17/26
2-Chloronaphthalene	ND		ug/Kg	250	01/16/26	01/17/26
2-Nitroaniline	ND		ug/Kg	250	01/16/26	01/17/26
Dimethylphthalate	ND		ug/Kg	250	01/16/26	01/17/26
Acenaphthylene	ND		ug/Kg	250	01/16/26	01/17/26
2,6-Dinitrotoluene	ND		ug/Kg	250	01/16/26	01/17/26
3-Nitroaniline	ND		ug/Kg	250	01/16/26	01/17/26
Acenaphthene	ND		ug/Kg	250	01/16/26	01/17/26
2,4-Dinitrophenol	ND		ug/Kg	1,200	01/16/26	01/17/26
4-Nitrophenol	ND		ug/Kg	1,200	01/16/26	01/17/26
Dibenzofuran	ND		ug/Kg	250	01/16/26	01/17/26
2,4-Dinitrotoluene	ND		ug/Kg	250	01/16/26	01/17/26
Diethylphthalate	ND		ug/Kg	250	01/16/26	01/17/26
Fluorene	ND		ug/Kg	250	01/16/26	01/17/26
4-Chlorophenyl-phenylether	ND		ug/Kg	250	01/16/26	01/17/26

ENTHALPY ANALYTICAL

Batch QC

QC1330956 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
4-Nitroaniline	ND		ug/Kg	250	01/16/26	01/17/26
4,6-Dinitro-2-methylphenol	ND		ug/Kg	1,200	01/16/26	01/17/26
N-Nitrosodiphenylamine	ND		ug/Kg	250	01/16/26	01/17/26
1,2-diphenylhydrazine (as azobenzene)	ND		ug/Kg	250	01/16/26	01/17/26
4-Bromophenyl-phenylether	ND		ug/Kg	250	01/16/26	01/17/26
Hexachlorobenzene	ND		ug/Kg	250	01/16/26	01/17/26
Pentachlorophenol	ND		ug/Kg	1,200	01/16/26	01/17/26
Phenanthrene	ND		ug/Kg	250	01/16/26	01/17/26
Anthracene	ND		ug/Kg	250	01/16/26	01/17/26
Di-n-butylphthalate	ND		ug/Kg	250	01/16/26	01/17/26
Fluoranthene	ND		ug/Kg	250	01/16/26	01/17/26
Benzidine	ND		ug/Kg	1,200	01/16/26	01/17/26
Pyrene	ND		ug/Kg	250	01/16/26	01/17/26
Butylbenzylphthalate	ND		ug/Kg	250	01/16/26	01/17/26
3,3'-Dichlorobenzidine	ND		ug/Kg	1,200	01/16/26	01/17/26
Benzo(a)anthracene	ND		ug/Kg	250	01/16/26	01/17/26
Chrysene	ND		ug/Kg	250	01/16/26	01/17/26
bis(2-Ethylhexyl)phthalate	ND		ug/Kg	250	01/16/26	01/17/26
Di-n-octylphthalate	ND		ug/Kg	250	01/16/26	01/17/26
Benzo(b)fluoranthene	ND		ug/Kg	250	01/16/26	01/17/26
Benzo(k)fluoranthene	ND		ug/Kg	250	01/16/26	01/17/26
Benzo(a)pyrene	ND		ug/Kg	250	01/16/26	01/17/26
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	250	01/16/26	01/17/26
Dibenz(a,h)anthracene	ND		ug/Kg	250	01/16/26	01/17/26
Benzo(g,h,i)perylene	ND		ug/Kg	250	01/16/26	01/17/26
Surrogates				**Limits**		
2-Fluorophenol	72%		%REC	34-120	01/16/26	01/17/26
Phenol-d6	72%		%REC	40-120	01/16/26	01/17/26
2,4,6-Tribromophenol	70%		%REC	28-120	01/16/26	01/17/26
Nitrobenzene-d5	70%		%REC	42-120	01/16/26	01/17/26
2-Fluorobiphenyl	70%		%REC	46-120	01/16/26	01/17/26
Terphenyl-d14	78%		%REC	50-120	01/16/26	01/17/26

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1330957**	**Batch:**	**392585**
Matrix:	**Soil**	**Method:**	**EPA 8270E**	**Prep Method:**	**EPA 3546**

QC1330957 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phenol	2,357	3750	ug/Kg	63%		48-124
2-Chlorophenol	2,207	3750	ug/Kg	59%		46-120
1,4-Dichlorobenzene	2,311	3750	ug/Kg	62%		49-120
3-,4-Methylphenol	2,493	3750	ug/Kg	66%		51-127
N-Nitroso-di-n-propylamine	2,491	3750	ug/Kg	66%		50-124
2,4-Dimethylphenol	2,303	3750	ug/Kg	61%		45-120
1,2,4-Trichlorobenzene	2,345	3750	ug/Kg	63%		49-120
4-Chloro-3-methylphenol	2,622	3750	ug/Kg	70%		55-125
2,4,5-Trichlorophenol	2,720	3750	ug/Kg	73%		53-128
Acenaphthene	2,421	3750	ug/Kg	65%		52-120
4-Nitrophenol	2,767	3750	ug/Kg	74%		48-121
2,4-Dinitrotoluene	2,781	3750	ug/Kg	74%		57-129
Pentachlorophenol	2,355	3750	ug/Kg	63%		41-120
Pyrene	2,538	3750	ug/Kg	68%		56-123
Chrysene	2,499	3750	ug/Kg	67%		53-120
Benzo(b)fluoranthene	2,563	3750	ug/Kg	68%		53-120
Surrogates						
2-Fluorophenol	1,190	2000	ug/Kg	60%		34-120
Phenol-d6	1,198	2000	ug/Kg	60%		40-120
2,4,6-Tribromophenol	1,433	2000	ug/Kg	72%		28-120
Nitrobenzene-d5	1,212	2000	ug/Kg	61%		42-120
2-Fluorobiphenyl	1,265	2000	ug/Kg	63%		46-120
Terphenyl-d14	1,393	2000	ug/Kg	70%		50-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1330958**	**Batch:**	**392585**
Matrix (Source ID):	**Soil (550801-003)**	**Method:**	**EPA 8270E**	**Prep Method:**	**EPA 3546**

QC1330958 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phenol	3,050	ND	3713	ug/Kg	82%		41-120	0.99
2-Chlorophenol	2,825	ND	3713	ug/Kg	76%		40-120	0.99
1,4-Dichlorobenzene	2,893	ND	3713	ug/Kg	78%		44-120	0.99
3-,4-Methylphenol	3,122	ND	3713	ug/Kg	84%		44-120	0.99
N-Nitroso-di-n-propylamine	3,079	ND	3713	ug/Kg	83%		45-120	0.99
2,4-Dimethylphenol	2,577	ND	3713	ug/Kg	69%		36-120	0.99
1,2,4-Trichlorobenzene	2,754	ND	3713	ug/Kg	74%		42-120	0.99
4-Chloro-3-methylphenol	3,296	ND	3713	ug/Kg	89%		49-120	0.99
2,4,5-Trichlorophenol	3,076	ND	3713	ug/Kg	83%		45-120	0.99
Acenaphthene	2,809	ND	3713	ug/Kg	76%		51-120	0.99
4-Nitrophenol	3,188	ND	3713	ug/Kg	86%		38-120	0.99
2,4-Dinitrotoluene	3,071	ND	3713	ug/Kg	83%		51-120	0.99
Pentachlorophenol	2,368	ND	3713	ug/Kg	64%		35-120	0.99
Pyrene	3,331	ND	3713	ug/Kg	90%		56-120	0.99
Chrysene	2,871	ND	3713	ug/Kg	77%		54-120	0.99
Benzo(b)fluoranthene	3,037	ND	3713	ug/Kg	82%		54-120	0.99
Surrogates								
2-Fluorophenol	1,591		1980	ug/Kg	80%		34-120	0.99
Phenol-d6	1,559		1980	ug/Kg	79%		40-120	0.99
2,4,6-Tribromophenol	1,565		1980	ug/Kg	79%		28-120	0.99
Nitrobenzene-d5	1,577		1980	ug/Kg	80%		42-120	0.99
2-Fluorobiphenyl	1,402		1980	ug/Kg	71%		46-120	0.99
Terphenyl-d14	1,774		1980	ug/Kg	90%		50-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1330959**	**Batch:**	**392585**
Matrix (Source ID):	**Soil (550801-003)**	**Method:**	**EPA 8270E**	**Prep Method:**	**EPA 3546**

QC1330959 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phenol	3,221	ND	3713	ug/Kg	87%		41-120	5	40	0.99
2-Chlorophenol	2,933	ND	3713	ug/Kg	79%		40-120	4	42	0.99
1,4-Dichlorobenzene	2,987	ND	3713	ug/Kg	80%		44-120	3	39	0.99
3-,4-Methylphenol	3,275	ND	3713	ug/Kg	88%		44-120	5	37	0.99
N-Nitroso-di-n-propylamine	3,238	ND	3713	ug/Kg	87%		45-120	5	36	0.99
2,4-Dimethylphenol	2,708	ND	3713	ug/Kg	73%		36-120	5	39	0.99
1,2,4-Trichlorobenzene	2,878	ND	3713	ug/Kg	78%		42-120	4	37	0.99
4-Chloro-3-methylphenol	3,343	ND	3713	ug/Kg	90%		49-120	1	37	0.99
2,4,5-Trichlorophenol	3,129	ND	3713	ug/Kg	84%		45-120	2	38	0.99
Acenaphthene	2,820	ND	3713	ug/Kg	76%		51-120	0	33	0.99
4-Nitrophenol	3,212	ND	3713	ug/Kg	87%		38-120	1	43	0.99
2,4-Dinitrotoluene	3,253	ND	3713	ug/Kg	88%		51-120	6	35	0.99
Pentachlorophenol	2,443	ND	3713	ug/Kg	66%		35-120	3	39	0.99
Pyrene	3,594	ND	3713	ug/Kg	97%		56-120	8	33	0.99
Chrysene	3,041	ND	3713	ug/Kg	82%		54-120	6	32	0.99
Benzo(b)fluoranthene	3,157	ND	3713	ug/Kg	85%		54-120	4	33	0.99
Surrogates										
2-Fluorophenol	1,592		1980	ug/Kg	80%		34-120			0.99
Phenol-d6	1,652		1980	ug/Kg	83%		40-120			0.99
2,4,6-Tribromophenol	1,583		1980	ug/Kg	80%		28-120			0.99
Nitrobenzene-d5	1,653		1980	ug/Kg	83%		42-120			0.99
2-Fluorobiphenyl	1,431		1980	ug/Kg	72%		46-120			0.99
Terphenyl-d14	1,875		1980	ug/Kg	95%		50-120			0.99

* Value is outside QC limits
ND Not Detected
b See narrative

Laboratory Job Number 550733

Subcontracted Products

Micro Analytical Laboratories

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - PLM ARB 435

1327
Miguel Gamboa
Enthalpy Analytical
5900 Hollis St., Suite L
Emeryville, CA 94608

PROJECT:
EO-550733

Micro Log In **342029**
Total Samples 1
Date Sampled 01/13/2026
Date Received 01/13/2026
Date Analyzed 01/13/2026

SAMPLE INFORMATION	ASBESTOS INFORMATION QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES	DOMINANT OTHER MATERIALS
Client #: **SAMPLE1** Micro #: 342029-01 Analyst: DJS SOIL Asb. / Total Pts. Matrix Removed Sensitivity 0 / 400 0% 0.250%	ND	Matrix Type: ROCK FRAGMENTS, CARBONATE, BINDER

Technical Supervisor: _____ 1/13/2026
Baojia Ke, Ph.D. Date Reported

Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-435 for bulk asbestos. Basic techniques follow California ARB 435 (1991) for applicable samples. NOTES: Weight % cannot be determined by this method. Asbestos fibers with diameter below ~1 μm may not be detected by PLM. Only dominant non-asbestos materials are indicated. This report must not be interpreted as a conclusive identification of non-asbestos (fibrous or not). Various sample interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Notes are made if point counting is used; otherwise, asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (<0.25%) may not be reliable or reproducible by PLM. Lower quantitation limit (reporting limit) of this method is 0.25%. Clients are solely responsible for identification and description of bulk materials listed on field forms. Laboratory sample descriptions may differ from descriptions given by the client. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Samples that were reanalyzed are denoted by two sets of analyst initials. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received.
ND = NO ASBESTOS DETECTED.

ENTHALPY ANALYTICAL

931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

342029

Subcontract Laboratory:
Micro Analytical Laboratories
5900 Hollis St, Suite M
Emeryville, CA 94608
ATTN:
PO #: Required, to be sent via email

Enthalpy Order: EO-550733
PM: Miguel Gamboa
Email: miguel.gamboa@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

Results Due: 01/19/26
Report Level: II
Report To: RL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SAMPLE 1	13-JAN-2026 09:00	550733-001	1	Soil	CARB Method 435	

Notes:	Relinquished By:	Received By:
	Date: 1/13/26 12:02	Date: 1/13/26 12:07
	Date:	Date:
	Date:	Date:

EROSION & SEDIMENT CONTROL PLAN

Temporary Construction Staging Site
1893 Woodland Avenue East
Palo Alto, CA 94303

Erosion & Sediment Control BMPs and Implementation

The approach is to minimize erosion & sediment runoff from the site, is to minimize the amount of sediment that is mobilized by air or water, and to trap as much as possible of what is mobilized prior to it leaving the site, maintaining a clean site, and inlet protection measures will form the backbone of this ESCP.

The Best Management Practices (BMPs) listed below are to be employed on this project. BMPs are to be inspected daily during the rainy season and also before and after any rain events. Inspections shall occur at least weekly at other times of the year.

Street Cleaning
- Streets to be swept daily using hand or mechanical methods such as vacuuming.

Dust Control
- Sweeping combined with light application of water to damp down the site will minimize the amount of dust and prevent it becoming airborne.
- Stockpiles that are not being actively used to be covered or removed from the site

Inlet and Catch basin Protection
- Inlet protection fabric to be installed at each location on all inlets in and at surrounding the property. The fabric acts as a filter removing preventing particulates as the water passes slowly through. Replace any ripped fabric as necessary. - Geotextile fabric shall be installed under the grate.

Sanitary Waste Management
-Portable toilets shall be located/maintained at appropriate locations for the duration of the project.
- Portable sanitary facilities must be placed at least 50 feet away from storm drains, receiving waters and flow lines.

Water Conservation
- Avoid overfilling water equipment
- On site vehicle washing is discouraged
- If water is required to clean storage area, first sweep it to minimize the sediment remaining
- Water equipment to be kept in good working order and any leaks promptly fixed.
- When applying water for dust control, use the minimum amount of water necessary to dampen down the area.

Material Storage

- Store hazardous materials in their original containers with original product labels attached.
- Containers of hazardous materials are not to be left uncovered/exposed to rain.
- Containers of hazardous waste to be stored within secondary containment

Stockpile Management

- Stockpiles to be covered when not in use
- Fiber rolls/gravel bag berm to be installed around perimeter of stockpiles that will remain on site.

Spill Prevention & Control

- Spill control/cleanup kits to be kept in the storage containers
- Implement spill and leak prevention procedures for chemicals and hazardous substances when encountered on the job site.

Maintenance & Inspection

- The Best Management Practices (BMPs): Vehicle Tracking & Dust Control are to be inspected weekly during the rainy season and also before and after any rain events.

Site Plan

- Please refer to area drawings attached, showing the extent of the usage.

EROSION & SEDIMENT CONTROL PLAN

Temporary Construction Staging Site
1893 Woodland Avenue
East Palo Alto, CA 94303

Materials and Equipment Storage:
-Manhole Materials
-Storm Drain Pipe
-Construction Machinary Equipment: (Excavator, Backhoe, Skid Steer, Tool Trucks, Water trucks ETC..)
NS-8, NS-10, WM1, WM-4WM-9

N

Soil Stockpile Area
(covered & surrounded by wattles)
SC-11, WE-1W, M-3

Perimeter Chain Link Fence

Entry Point
TC-1

Entry and Exit Point
TC-1

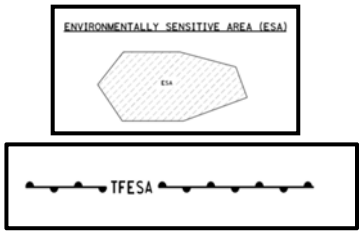
NOTES:
1. Install perimeter BMPS: place storm drain inlet fabric protection where needed as need
2. Cover stockpiles using visqueen plastic .
3. Identify and protect areas where existing vegetation, such as trees, will not be disturbed.
4. Maintain stabilized entrance to prevent track-out. Remove mud and dirt from the tires of construction vechicles before they enter the street.
5. Tracks and trails left by equipment leading to and from the site should be cleaned up immediately.
6. Inspect BMPs weekly and after storm events. 7. Maintain Spill kits. Ensure vehicles and equipment leaks are cleaned up immediately
7. Remove BMPs and restore site after project completion

Project: Temporary Staging Yard Sheet:
Erosion Control Plan

Date: 1/29/2026
Scale: NTS

Preservation of Existing Vegetation

SS-2



Standard Symbol

BMP Objectives

Soil Stabilization	☑
Sediment Control	☐
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

Preservation of existing vegetation is the identification and protection of desirable vegetation that provides erosion and sediment control benefits.

Appropriate Applications

- Preserve existing vegetation at areas on a site where no construction activity is planned or will occur at a later date. This BMP is very applicable for multi-year or multiple location projects, where existing vegetation can be preserved until the area becomes active.
- On a year-round basis, temporary fencing shall be provided prior to the commencement of clearing and grubbing operations or other soil-disturbing activities in areas.
- Clearing and grubbing operations should be staged to preserve existing vegetation.
- Areas where natural vegetation exists and is designated for preservation. Such areas often include steep slopes, watercourse, and building sites in wooded areas.
- Areas where local, state, and federal government require preservation, such as vernal pools, wetlands, marshes, certain oak trees, etc.
- Clearly marking and leaving a buffer area around these unique areas during construction will help to preserve these areas as well as take advantage of natural erosion prevention and sediment trapping.
- During clearing and grubbing do not injure standing trees, plants, and improvements shown in the plans to be protected.
- For any trenching or tunneling. Trenching shall be as far away from tree trunks as possible, usually outside of the tree drip line or canopy. Curve trenches around trees to avoid large roots or root concentrations. If roots are encountered, consider tunneling under them.

- When trenching and/or tunneling near or under trees to be retained, tunnels shall be at least 8 in below the ground surface, and not below the tree center to minimize impact on the roots. Tree roots shall not be left exposed to air; they shall be covered with soil as soon as possible, protected, and kept moistened with wet burlap or peat moss until the tunnel and/or trench can be completed.

Limitations

- Protection of existing vegetation requires planning, and may limit the area available for construction activities.
- For sites with diverse topography, it is often difficult and expensive to save existing trees while grading the site satisfactory for the construction project.

Standards and Specifications

General Requirements

- Specifications for preservation of existing vegetation can be found in Standard Specifications Section 5-1.36A.
- Section 14 "Environmental Stewardship" of the Standard Specifications specifies the requirements related to environmental compliance and resource management, including requirements related to Environmentally Sensitive Areas (ESAs).
- Refer to Section 16-2.03 of the Standard Specifications for "High-Visibility Fences" used to delineate ESAs.
- Refer to 16-2.04 of the Standard Specifications for "Temporary Construction Mats" used to protect wetlands and other areas.

Schedule

- Preservation of existing vegetation must be provided prior to the commencement of clearing and grubbing operations or other soil-disturbing activities in areas identified on the plans to be preserved, including areas designated as ESAs.
- Preservation of existing vegetation should conform to scheduling requirements set forth in the special provisions.

Design and Layout

- Mark areas to be preserved with temporary fencing (Type ESA). The temporary fencing must be made of high visibility fabric secured with 6 foot (minimum) posts. Refer to Section 16-2.03B of the Standard Specifications for more information on temporary high-visibility fence materials.
- Fence posts can be either wood or steel, at the Contractor's discretion, as appropriate for the intended purpose. The post spacing must be 8 feet center-to-center (maximum) and embedded at least 16 inches into the ground to completely support the fence in an upright position.
- See Standard Plan T65 for "Temporary Fence (Type ESA)."

Installation

- Construction materials, equipment storage, and parking areas should be located where they will not cause damage to vegetation designated for preservation. This could include: keeping equipment away from trees to prevent trunk and root damage, considering the impact of grade changes to existing vegetation

and the root zone, and minimizing disturbed areas by avoiding stands of trees and shrubs and following existing contours to reduce cutting and filling for temporary roads.

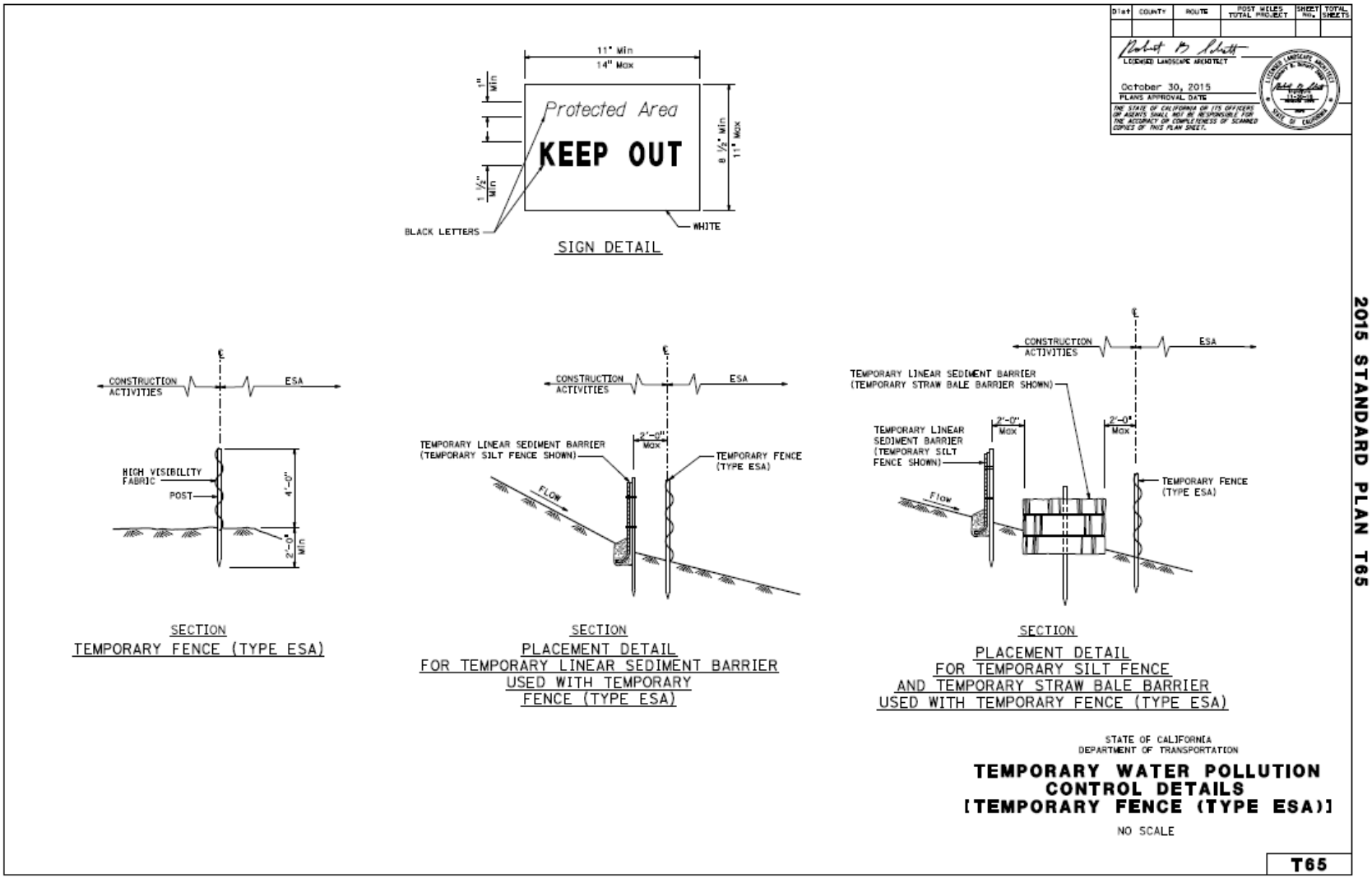
- Maintain existing irrigation systems.
- Employees and subcontractors must be instructed to honor protective devices. No heavy equipment, vehicular traffic, or storage piles of any construction materials is permitted within the drip line of any tree to be retained. Removed trees should not be felled, pushed, or pulled into any retained trees. Fires should not be permitted within 100 ft of the drip line of any retained trees. Any fires must be of limited size, and must be kept under continual surveillance. No toxic or construction materials (including paint, acid, nails, gypsum board, chemicals, fuels, and lubricants) should be stored within 50 feet of the drip line of any retained trees, nor disposed of in any way which would injure vegetation.
- After all other work is complete, fences and barriers must be removed last. This is because protected trees may be destroyed by carelessness during the final cleanup and landscaping.

Maintenance and Inspection

- During the entire construction phase, the limits of disturbance must remain clearly marked to avoid damage to the existing vegetation during site cleanup and stabilization. Irrigation or maintenance of existing vegetation must conform to the requirements in the landscaping plan. If damage to protected trees still occurs, maintenance guidelines described below must be followed:
  - Serious tree injuries must be attended to by an arborist.
  - During construction, the District Environmental Branch must be contacted to ensure that ESAs are protected and any environmental regulations are followed.
  - Existing Vegetated Areas to be Preserved must be clearly demarcated in the WPCDs.

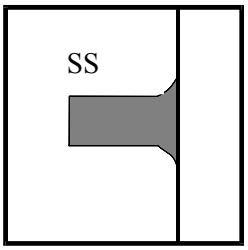
SWPPP or WPCP

- Preservation of Existing Vegetation must be discussed in Section 500.3 of the SWPPP or Section 30.2 of the WPCP.


Dist | COUNTY | ROUTE | POST MILES TOTAL PROJECT | SHEET NO. | TOTAL SHEETS
LICENSED LANDSCAPE ARCHITECT
October 30, 2015
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
11" Min
14" Max
1" Min
Protected Area
KEEP OUT
8 ½" Min
11" Max
1 ½" Min
BLACK LETTERS
WHITE
SIGN DETAIL
CONSTRUCTION ACTIVITIES
ESA
HIGH VISIBILITY FABRIC
POST
4'-0"
2'-0" Min
SECTION
TEMPORARY FENCE (TYPE ESA)
TEMPORARY LINEAR SEDIMENT BARRIER (TEMPORARY SILT FENCE SHOWN)
2'-0" Max
TEMPORARY FENCE (TYPE ESA)
FLOW
SECTION
PLACEMENT DETAIL
FOR TEMPORARY LINEAR SEDIMENT BARRIER
USED WITH TEMPORARY
FENCE (TYPE ESA)
TEMPORARY LINEAR SEDIMENT BARRIER (TEMPORARY STRAW BALE BARRIER SHOWN)
SECTION
PLACEMENT DETAIL
FOR TEMPORARY SILT FENCE
AND TEMPORARY STRAW BALE BARRIER
USED WITH TEMPORARY FENCE (TYPE ESA)
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS
[TEMPORARY FENCE (TYPE ESA)]
NO SCALE
T65
2015 STANDARD PLAN T65

Street Sweeping

SC-7



Standard Symbol

BMP Objectives

Soil Stabilization	☐
Sediment Control	☑
Tracking Control	☑
Wind Erosion Control	☑
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

Practices to remove tracked sediment to prevent the sediment from entering a storm drain or receiving waters.

Appropriate Applications

These practices are implemented anywhere sediment is tracked from the project site onto public or private paved roads, typically at jobsite entrances and exits.

Limitations

Sweeping and vacuuming may not be effective when soil is wet or muddy.

Standards and Specifications

General Requirements

- Sweep by hand or mechanical methods, such as vacuuming. Kick brooms or sweeper attachments may not be used.
- At least one street sweeper in good working order must be at the job site at all times when street sweeping work is required.
- Use one of the following types of street sweepers:
  - Mechanical sweeper followed by a vacuum-assisted sweeper;
  - Vacuum-assisted, dry, waterless, sweeper; or
  - Regenerative-air sweeper.
- Submit the number and type of street sweepers that will be used on the project for each activity at least 5 business days before starting the activities listed above. Keep and submit street sweeping activity records including sweeping times, locations, and the quantity of material collected.

- Sweep paved roads at construction entrance and exit locations and onsite paved areas:
  - During clearing and grubbing, earthwork, trenching, and pavement-structure construction activities.
  - When vehicles are entering and leaving the job site.
  - After soil-disturbing activities.
  - After observing off-site tracking of material.
- Sweep within 1 hour if sediment or debris is observed during the activities described above that require sweeping.
- Sweep within 24 hours if sediment or debris is observed during activities that do not require sweeping.
- Keep dust to a minimum during street sweeping activities. Use water for dust control or a vacuum whenever dust generation is excessive or sediment pickup is ineffective. Refer to WE-1 for "Wind Erosion Control" BMPs.
- Remove collected material, including sediment, from paved shoulders, drainage inlets, curbs and dikes, and other drainage areas.
- After sweeping is finished, collected material may be stockpiled. If not mixed with debris, trash or potentially hazardous objects, consider incorporating the removed sediment back into the project if approved by the RE. Otherwise, dispose of stockpiled material at least once per week according to Standard Specifications Section 14-10.
- Street sweeping does not void the requirements for residue collection included in other work activities, such as grooving, grinding, or asphalt concrete planing.

Maintenance and Inspection

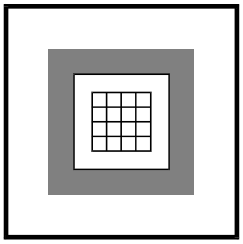
- Inspect potential sediment tracking locations daily.
- Monitor and inspect tracking control BMPs such as TC-1, "Temporary Construction Entrance/Exit," to reduce sediment accumulation on roads.
- Be careful not to sweep up any unknown substance or any object that may be potentially hazardous.
- Adjust brooms frequently; maximize efficiency of sweeping operations.
- Sweeper material must be disposed in compliance with waste regulations.

SWPPP or WPCP

- Street Sweeping must be discussed in Section 500.3.4 and 600.2 of the SWPPP or Section 30.2.3 of the WPCP.

Temporary Drainage Inlet Protection

SC-10



Standard Symbol

Definition and Purpose

Temporary drainage inlet protection consists of devices used at storm drain inlets that detain and/or filter sediment-laden runoff prior to discharge into storm drainage systems. This is achieved by allowing sediment to settle and/or filtering sediment upstream of a linear sediment barrier.

Appropriate Applications

- Where ponding will not encroach into highway traffic.
- Where sediment laden surface runoff may enter an inlet.
- Where disturbed drainage areas have not yet been permanently stabilized.
- Where the drainage area is 1 ac or less.
- Used year-round.

Limitations

- Requires an adequate area for water to pond without encroaching upon traveled way and should not present an obstacle to oncoming traffic.
- May require other methods of temporary protection to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.
- Sediment removal may be difficult in high flow conditions or if runoff is heavily sediment laden. If high flow conditions are expected, use other on-site sediment trapping techniques, such as SC-4 “Check Dams,” in conjunction with temporary drainage inlet protection.
- Frequent maintenance is required.
- Silt fence inlet protection is appropriate in open areas that are subject to sheet flow and for flows not exceeding 0.5 cfs.

- Gravel bag barriers for inlet protection are applicable when sheet flows or concentrated flows exceed 0.5 cfs, and it is necessary to allow for overtopping to prevent flooding.
- Fiber rolls and foam barriers are not appropriate for locations where they cannot be properly anchored to the surface.
- Excavated drop inlet sediment traps are appropriate where relatively heavy flows are expected and overflow capability is needed.
- For drainage areas larger than 1 ac, runoff should be routed to a sediment trapping device designed for larger flows. See BMPs SC-2, "Sediment/Desilting Basin," and SC-3 "Sediment Trap/Curb Cutback."

Standards and Specifications

General Requirements

- Refer to Standard Specifications Section 13-6.03C for "Temporary Drainage Inlet Protection" and 13-6.03F for "Rigid Plastic Barriers."
- Identify existing and/or planned storm drain inlets that have the potential to receive sediment-laden surface runoff. Determine if storm drain inlet protection is needed, and which method or combination of methods to use. Update inlet protection as site conditions change.
- Use a linear sediment barrier to redirect runoff and control ponding in order to prevent ponding from encroaching on the traveled way or overtopping the curb or dike.
- Prior to installation, clear the area around each inlet of obstructions, including rocks, clods, and debris greater than 1-in. in diameter.
- Install linear sediment barriers upstream of the inlet and parallel with the curb, dike, or flow line to keep sediment from entering the inlet.
- Remove accumulated sediment according to Maintenance and Inspection recommendations. Accumulated sediment may be disposed of outside the highway right-of-way in conformance with the Standard Specifications Section 14-10.

Type 1 - Silt Fence

- This method should be used for drain inlets requiring protection in areas where finished grade is established and erosion control seeding has been applied or is pending. The silt fence (Type 1) protection is illustrated on Page 6. Do not place filter fabric underneath the inlet grate since the collected sediment may fall into the drain inlet when the fabric is removed or replaced.
- Type 2 - Excavated Drop Inlet Sediment Trap
- This method may be used for drainage inlets requiring protection in areas that have been cleared and grubbed, and where exposed soil areas are subject to grading. The excavated drop inlet sediment trap (Type 2) is illustrated on Page 7. Similar to constructing a temporary silt fence; see BMP SC-1, "Silt Fence." Size the excavated trap to provide a minimum storage capacity calculated at the rate of 67 yd3/ac of drainage area.

Type 3A – Gravel Bag Berm for Combined Inlets

- This method may be used for drain inlets surrounded by AC or paved surfaces. The gravel bag berm for combined inlets (Type 3A) is illustrated on Pages 8-9. Flow from a severe storm must not overtop the curb. In areas of high clay and silts, use filter fabric and gravel as additional filter media. Construct gravel bags in accordance with BMP SC-6, "Gravel Bag Berm." Gravel bags are used due to their high permeability.

Type 3B – Gravel Bag Berm for Grate Inlets

- This method may be used for drainage inlets surrounded by AC or paved surfaces. The gravel bag berm for grate inlets (Type 3B) is illustrated on Page 10. In areas of high clay and silts, use filter fabric and gravel as additional filter media. Place gravel bags in accordance with BMP SC-6, "Gravel Bag Berm." Gravel bags are used due to their high permeability.

Type 4A – Flexible Sediment Barrier for Grate Inlets

- This method may be used for drainage inlets requiring protection in areas that have been cleared and grubbed, and where exposed soil areas subject to grading. Flexible Sediment Barrier for Grate Inlets (Type 4A) is placed around the inlet and keyed and anchored to the surface. Flexible Sediment Barriers are intended for use as inlet protection where the area around the inlet is unpaved and the foam barrier or fiber roll can be secured to the surface. Place fiber rolls over the erosion control blanket. RE or appropriate licensed professional approval is required.

Type 4B – Flexible Sediment Barrier for Combined Inlets

- This method may be used for drainage inlets requiring protection in areas that have been cleared and grubbed, and where exposed soil areas subject to grading. Flexible Sediment Barrier for Combined Inlets (Type 4B) is placed in rows upstream of the inlet and along the curb or dike. The barriers are keyed and anchored to the surface. Flexible Sediment Barriers are intended for use as inlet protection where the area around the inlet is unpaved and the foam barrier or fiber roll can be secured to the surface. Place the barrier to provide a tight joint with the curb or dike. Cut the cover fabric or jacket to ensure a tight fit. RE and Construction Storm Coordinator approval is required.

Type 5 – Sediment Filter Bag

- This method may be used in areas with vehicle and equipment traffic that could damage aboveground inlet protection devices. The Sediment Filter Bags are installed as follows: (1) Remove the drainage inlet grate, (2) Place the sediment filter bag in the opening, and (3) Replace the grate to secure the sediment filter bag in place.

Type 6A – Catch Basin with Grate

- Catch Basin with Grate (Type 6A) is shown on page 16. Cover grate inlet with rigid plastic barrier and secure on each end with gravel-filled bags. If using a rigid sediment barrier and the grated inlet does not have a curb opening, placed the barrier using a gasket to prevent runoff from flowing under the barrier. Secure the barrier to the pavement with nails and adhesive, gavel-filled bags, or a combination of both.

Type 6B – Curb Inlet without Grate

- Curb Inlet without Grate (Type 6B) is shown on page 16. Place the flexible sediment barrier across the curb inlet opening and secure with gravel-filled bags.

Maintenance and Inspection

General Requirements

- Inspect all drainage inlet protection devices before and after every rainfall event and weekly year round. During extended rainfall events, inspect inlet protection devices at least once every 24 hours.
- Inspect the storm drain inlet after severe storms to check for bypassed material.
- Remove all drainage inlet protection devices within thirty days after the site is stabilized, or when the inlet protection is no longer needed.
  - Bring the disturbed area to final grade and smooth and compact it. Appropriately stabilize all bare areas around the inlet.
  - Clean and re-grade area around the inlet and clean the inside of the storm drain inlet as it must be free of sediment and debris at the time of final inspection.

Type 1 - Filter Fabric Fence

- Make sure the stakes are securely driven in the ground and are structurally sound (i.e., not bent, cracked, or splintered, and are reasonably perpendicular to the ground). Replace damaged stakes.
- Replace or clean the fabric when the fabric becomes clogged with sediment. Make sure the fabric does not have any holes or tears. Repair or replace fabric as needed or as directed by the RE.
- At a minimum, remove the sediment behind the fabric fence when accumulation reaches one-third the height of the fence or barrier height.

Type 2 – Excavated Drop Inlet Sediment Trap

  - Remove sediment from basin when the volume of the basin has been reduced by one-half.

Type 3A - Gravel Bag Berm for Combined Inlets

- Inspect bags for holes, gashes, and snags.
- Check gravel bags for proper arrangement and displacement. Remove the sediment behind the barrier when it reaches one-third the height of the barrier.

Type 3B - Gravel Bag Berm for Grate Inlets

- Inspect bags for holes, gashes, and snags.
- Check gravel bags for proper arrangement and displacement. Remove the sediment behind the barrier when it reaches one-third the height of the barrier.

Type 4A Flexible Sediment Barrier for Grate Inlets

- Check flexible sediment barrier for proper arrangement and displacement. Remove the sediment behind the barrier when it reaches one-third the height of the barrier.

Type 4B Flexible Sediment Barrier for Combined Inlets

- Check flexible sediment barrier for proper arrangement and displacement. Remove the sediment behind the barrier when it reaches one-third the height of the barrier.

Type 5 Sediment Filter Bag

- Change sediment filter bag carefully ensuring not to spill captured sediment into the drainage inlet.

Type 6A Catch Basin with Grate

- Check barrier and gravel-filled bags for proper arrangement and displacement. Routinely remove accumulated sediment

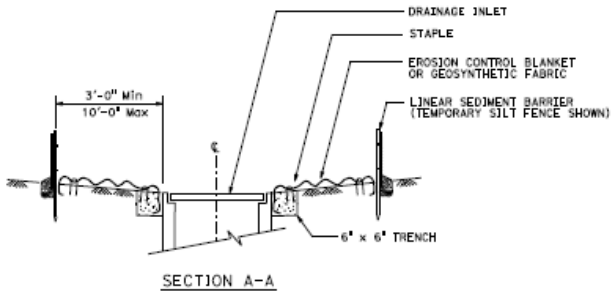
Type 6B Curb Inlet without Grate

- Check barrier and gravel-filled bags for proper arrangement and displacement.
- Remove the sediment behind the barrier when it reaches one-third the height of the barrier.

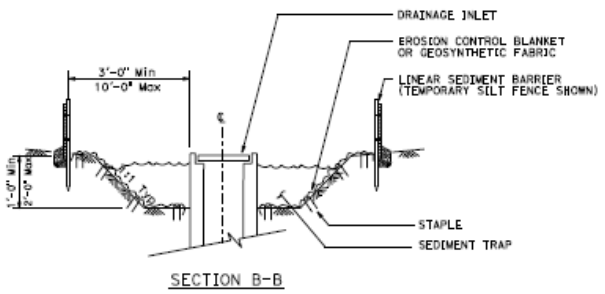
SWPPP or WPCP

- Temporary Drainage Inlet Protection must be discussed in Section 500.3.2 of SWPPP and/or Section 30.2.2 of the WPCP. Temporary Drainage Inlet Protection placement type must be shown on the WPCDs and reflect site temporary conditions.

Temporary Drainage Inlet Protection



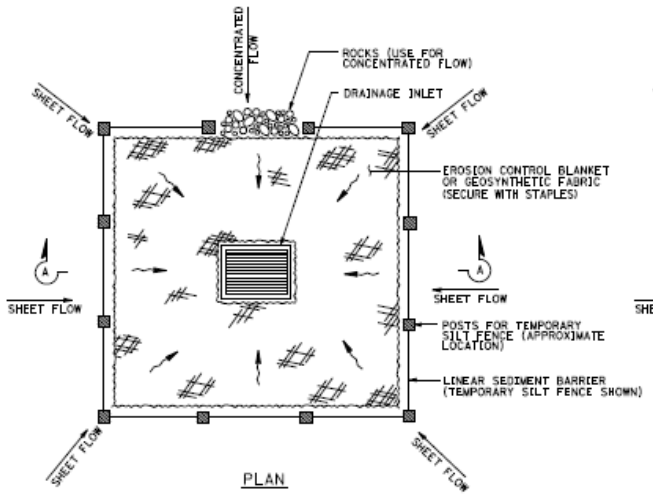
SECTION A-A



SECTION B-B

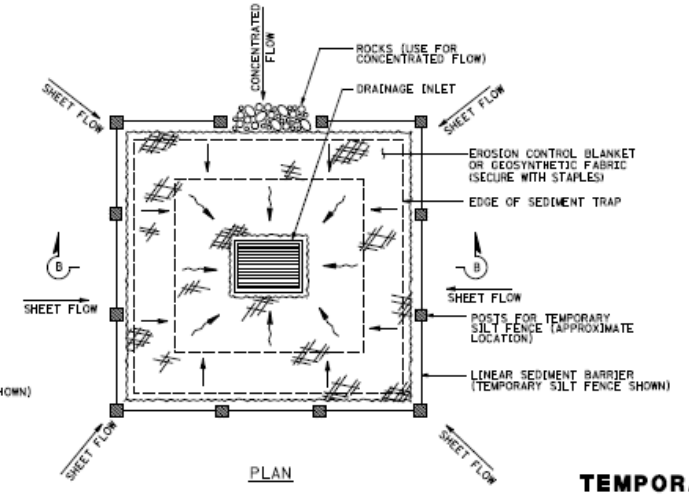
NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.



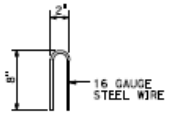
PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

T61

2015 STANDARD PLAN T61

Compost Socks

SC-11

//////CS///////

Standard Symbol

BMP Objectives

Soil Stabilization	☑
Sediment Control	☑
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

- Compost socks are a mesh sock containing compost that act as three dimensional, biodegradable structures that intercept and filter sheet flow. Compost socks can filter runoff, retain sediment, and reduce sheet flow velocities. Compost socks may be used as either a temporary or permanent sediment control measure.

Appropriate Applications

- Compost socks may be applied as both temporary and permanent sediment controls.
- Along the toe, top, face, and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow.
- Along the perimeter of a project.
- As check dams in unlined ditches.
- Down-slope of exposed soil areas.
- At operational storm drains as a form of inlet protection.
- Around temporary stockpiles.

Limitations

- Compost can potentially leach nutrients into runoff and negatively affect water quality. Compost should not be used directly upstream from a nutrient-impaired water body.
- Compost socks are susceptible to damage by traffic. Compost socks may be used around heavy machinery, but frequent disturbance decreases sock performance.

Standards and Specifications

General Requirements

- Compost socks must comply with Standard Specifications 21-2.02Q and 21-2.03Q.

- Compost for compost socks must comply with Standard Specifications Section 21-2.02K, except the particle size must be for coarse compost.
- Compost sock installation is illustrated in Standard Plan H51.
- Compost socks consist of a 12-inch diameter mesh tube that is filled with compost. The mesh tube must be composed of a natural biodegradable product such as cotton, jute, sisal, burlap, or coir. The mesh tube must be clean, evenly woven, and free of encrusted concrete or other contaminating materials, cuts, tears, broken or missing yarns, and thin, open, or weak places.
- Compost socks must have a functional longevity of one year.

Installation

- Before installing compost sock, remove obstructions from the ground including rocks, clods, and debris greater than 1 inch in diameter.
- For any 20-foot section of compost sock, prevent the compost sock from varying more than 5 percent from level.
- Use the following spacing unless otherwise noted on the project plans or special provisions:
  - 10 feet apart for slopes steeper than 2:1 (H:V)
  - 15 feet apart for slopes from 2:1 to 4:1 (H:V)
  - 20 feet apart for slopes from 4:1 to 10:1 (H:V)
  - 50 feet apart for slopes flatter than 10:1 (H:V)
- Place mesh tube, secure the end, and fill uniformly with compost. Secure the remaining end.
- For Type 1 installations:
  - Place in a furrow that is from 2 to 4 inches deep.
  - Fasten with wood stakes every 4 feet along the length of the compost sock.
  - Fasten the ends of the compost sock by placing a stake 6 inches from the end of the sock.
  - Drive the stakes into the soil so the top of the stake is less than 2 inches above the top of the compost sock.
- For Type 2 installations:
  - Fasten with notched wood stakes and rope.
  - Drive stakes into the soil until the notch is even with the top of the compost sock.
  - Lace the rope between stakes and over the compost sock. Knot the rope at each stake.

  - Tighten the fiber roll to the surface of the slope by driving the stakes further into the soil.

- If more than one compost sock is placed in a row, the socks should be overlapped; not abutted. Stagger overlapping joints in adjacent rows by 5 to 10 feet.

Removal

- For permanent installations: do not remove compost socks. Compost socks will degrade over time.
- For temporary installations: remove sock, rope and stakes if ordered by the RE. Cut sock and empty contents in place.

Other Considerations

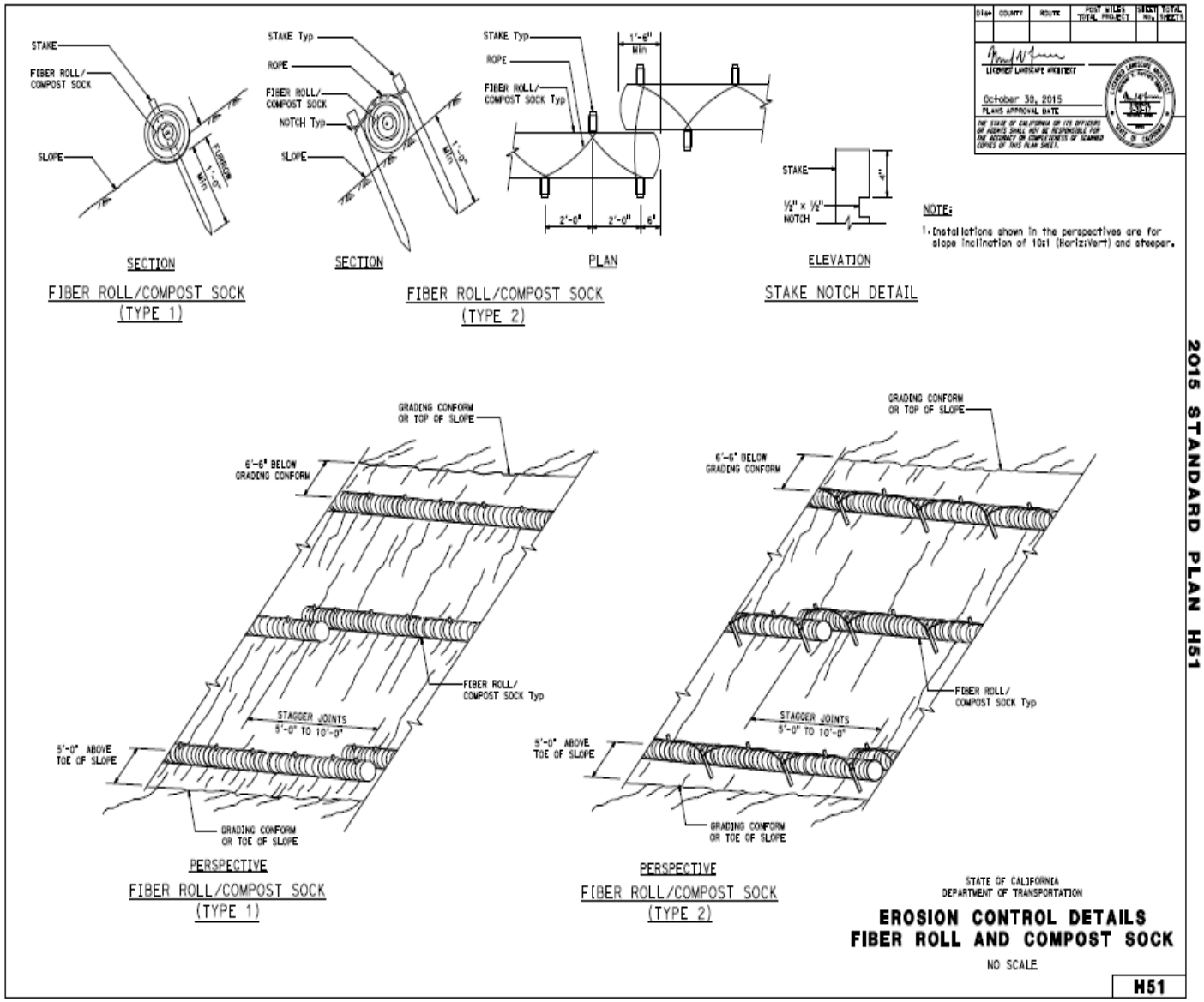
- Compost may be pre-seeded before placement into the mesh tube to assist in establishing vegetation. Once established, vegetation root systems provide additional soil stability and runoff filtration.
- Permanent compost sock applications are particularly advantageous below embankments, especially adjacent streams, by limiting re-entry and the disturbance to sensitive areas.
- Organic material in compost is important for pollutant removal and vegetation establishment. Organic content of the compost should range from 30 to 65% depending on site conditions.

Maintenance and Inspection

- Inspect compost socks before and after each rainfall event, and weekly year round.
- Remove sediment from behind the compost sock if sediment is 1/3 of compost sock height above ground.
- Repair or adjust the compost sock if rills or other evidence of concentrated runoff occur beneath the sock.
- Repair or replace compost socks if they become split, torn, or unraveled.
- Add stakes if the compost sock slumps or sags.
- Replace broken or split wood stakes.
- Maintain compost socks to provide an adequate sediment holding capacity and runoff velocity reduction.

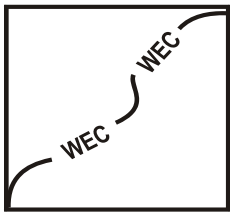
SWPPP or WPCP

- Compost Socks must be discussed in Section 500.3 of the SWPPP or Section 30.2 of the WPCP.


STAKE
FIBER ROLL/ COMPOST SOCK
SLOPE
1'-0" Min
SECTION
FIBER ROLL/COMPOST SOCK (TYPE 1)
STAKE Typ
ROPE
FIBER ROLL/ COMPOST SOCK
NOTCH Typ
SLOPE
1'-0" Min
SECTION
STAKE Typ
ROPE
FIBER ROLL/ COMPOST SOCK Typ
1'-6" Min
2'-0"
2'-0"
6"
PLAN
FIBER ROLL/COMPOST SOCK (TYPE 2)
STAKE
½" x ½" NOTCH
ELEVATION
STAKE NOTCH DETAIL
NOTE:
1. Installations shown in the perspectives are for slope inclination of 1:1 (Horiz:Vert) and steeper.
October 30, 2015
PLANS APPROVAL DATE
GRADING CONFORM OR TOP OF SLOPE
6'-6" BELOW GRADING CONFORM
FIBER ROLL/ COMPOST SOCK Typ
STAGGER JOINTS 5'-0" TO 10'-0"
5'-0" ABOVE TOE OF SLOPE
GRADING CONFORM OR TOE OF SLOPE
PERSPECTIVE
FIBER ROLL/COMPOST SOCK (TYPE 1)
GRADING CONFORM OR TOP OF SLOPE
6'-6" BELOW GRADING CONFORM
FIBER ROLL/ COMPOST SOCK Typ
STAGGER JOINTS 5'-0" TO 10'-0"
5'-0" ABOVE TOE OF SLOPE
GRADING CONFORM OR TOE OF SLOPE
PERSPECTIVE
FIBER ROLL/COMPOST SOCK (TYPE 2)
2015 STANDARD PLAN H51
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
EROSION CONTROL DETAILS
FIBER ROLL AND COMPOST SOCK
NO SCALE
H51

Wind Erosion Control

WE-1



Standard Symbol

BMP Objectives

Soil Stabilization	☑
Sediment Control	☑
Tracking Control	☐
Wind Erosion Control	☑
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

- Wind erosion control consists of applying water or other dust palliatives as necessary to prevent or alleviate erosion by the forces of wind. Dust control must be applied in accordance with Caltrans standard practices. Covering of small stockpiles or areas is an alternative to applying water or other dust palliatives; see SS-7 for "Temporary Cover and Rolled Erosion Control Products"
- Must comply with local agencies such as Air Quality Management District's requiring dust control plans or dust control permits as well as any Air Clean Act requirements.

Appropriate Applications

This practice is generally implemented on all exposed soils subject to wind erosion.

Limitations

- Effectiveness depends on soil, temperature, humidity and wind velocity.
- Chemically treated subgrades could cause soil to become water repellant, preventing infiltration or the long-term re-vegetation of the site.

Standards and Specifications

Standard Specification Section 10-5 contains general requirements for "Dust Control."

- Effective dust control is accomplished by applying dust palliatives, temporary Soil Stabilization BMPs, Tracking Controls and managing stockpiles.
- "Dust Palliatives" are covered under Section 18 of the Standard Specifications. Acceptable dust palliatives include water, dust control binders, and dust suppressants. Dust control binders must comply with specifications for tackifier. Dust suppressants include petroleum-based organic product, nonpetroleum-based organic product, hygroscopic product, and synthetic polymer emulsion.

- If a dust suppressant or tackifier is used, submit a Dust Treatment Plan. Submit a certificate of compliance for dust suppressants, tackifiers, and fibers.
- Identify and stabilize key access points with the use of Tracking Control BMPs.
- Minimize the impact of dust by anticipating the direction of prevailing winds.
- Temporary soil stabilization BMPs, such as SS-3 "Hydraulic Mulch", SS-4 "Hydroseed, SS-5 "Soil Binders, also provide wind erosion control benefits.
- Ensure proper implementation of BMPs WM-3, "Stockpile Management," and SC-7, "Street Sweeping," as these BMPs provide wind erosion control benefits.
- Ensure that water is applied by means of pressure-type distributors or pipelines equipped with a spray system or hoses and nozzles to ensure even distribution.
- All distribution equipment should be equipped with a positive means of shutoff.
- Chemical dust suppression products could have environmental water quality impacts. Depending on the product and the time of application, water quality sampling for non-visible pollutants should be assessed when a storm even is forecasted.
- For chemical or petroleum based organics stabilization, there are many products available. These products should not create any adverse effects on stormwater, plant life, groundwater and should meet all applicable regulatory requirements including inspection, documentation, monitoring and reporting requirements.
- Unless water is applied by means of pipelines, at least one mobile unit should be available at all times to apply water or dust palliative to the project.
- If reclaimed water is used, the sources and discharge must meet California Department of Health Services water reclamation criteria and the RWQCB requirements. Non-potable water must not be conveyed in tanks or drain pipes that will be used to convey potable water and there must be no connection between potable and non-potable supplies. Non-potable tanks, pipes and other conveyances must be marked "NON-POTABLE WATER - DO NOT DRINK."
- Appendix B of this Manual includes additional information on selecting temporary soil stabilization products that could be used for Wind Erosion Control.

Maintenance and Inspection

- Check areas where wind erosion controls have been implemented daily for erosion and visible dust.
- Most water-based dust control measures require frequent application. Obtain vendor or independent information on longevity of chemical dust suppression.

SWPPP or WPCP

- Wind Erosion Control must be discussed in Section 500.3.5 of the SWPPP or Section 30.2.4 of the WPCP.

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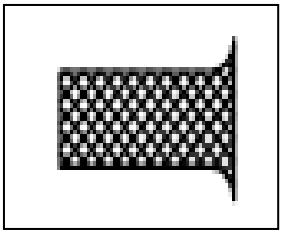
Temporary Construction Entrance/ Exit

TC-1



Standard Symbol

BMP Objectives

Soil Stabilization	☑
Sediment Control	☐
Tracking Control	☑
Wind Erosion Control	☑
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

A temporary construction entrance/exit is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

Appropriate Applications

- Where dirt or mud can be tracked onto public roads.
- Adjacent to water bodies.
- Where poor soils are encountered.
- Where dust is a problem during dry weather conditions.

Limitations

- Site conditions will dictate design and need.
- Limit the points of entrance/exit to the construction site.
- Limit speed of vehicles to control dust.

Standards and Specifications

General Requirements

- Temporary construction entrance/exit must comply with Standard Specification Section 13-7.03 Temporary Construction Roadways and Entrances.
- Corrugated steel panels must be pressed or shop welded. They should have a slot or hook for coupling the panels together.
- Class 8 RSP fabric shall be used to line temporary construction entrance/exit. Do not drive on the fabric until the rock is spread. Repair damaged fabric by placing new fabric over the damaged area with at least an 18-inch overlap on all edges.

- Type A rock should be used for a Type 1 temporary construction entrance/exit. Type A rock must comply with Section 13-7.03B (2) of the Standard Specifications.
- Type B rock should be used for a Type 2 temporary construction entrance/exit. Type B rock must comply with Section 13-7.03B (2) of the Standard Specifications.
- Submit details for alternative construction entrances at least 5 business days before installation. This may include alternatives for the sump and corrugated steel panels or to eliminate the sump.

Installation

- Prepare the location for the temporary construction entrance/exit as follows:
  - Remove vegetation and clear debris.
  - Grade the ground to a uniform plane.
  - Remove sharp objects that could damage the fabric.
  - Compact the top 1.5 feet of soil to at least 90 percent relative compaction.
- Construct the temporary construction entrance/exit as follows (standard plans attached below):
  - Place the fabric along the length of the construction entrance/exit.
  - Overlap fabric ends by at least 12 inches.
  - Cover the fabric with rock within 24 hours.
  - Spread rock over the fabric in the direction of traffic.
  - Keep a 6-inch layer of rock over the fabric to prevent damage from the spreading equipment.
- For a Type 2 temporary construction entrance/exit, place rock under the corrugated steel panels. Use at least 6 corrugated steel panels for each entrance. Couple the panels together to prevent movement.
- If a sump is used, install it within 20 ft of the temporary construction entrance/exit.

Other Considerations

- Implement BMP SC-7, "Street Sweeping" as required under Section 13-4.03F and 13-7 of the Standard Specifications.
- Require all employees, subcontractors, and suppliers to utilize the temporary construction entrance/exit. If the construction entrance/exit has metal plates as part of the BMP, all vehicles must be required to utilize them.
- Route runoff from temporary construction entrances/exits through a sediment-trapping device before discharge.

- Design a temporary construction entrance/exit to support the heaviest vehicles and equipment that will use it.
- The use of asphalt concrete (AC) grindings is not allowed (high potential for leaching hydrocarbons) unless it complies with Section 6.8 of the 2016 Caltrans SWMP. Designate combination or single purpose entrances and exits to the construction site to maintain smooth flow of traffic.

Maintenance and Inspection

- Inspect before and after each rainfall event, and weekly year round.
- Inspect immediate site access roads daily, implement SC-7, "Street Sweeping" as needed.
- Remove aggregate, separate, and dispose of sediment if temporary construction entrance is clogged with sediment.
- Keep all temporary construction entrance/exit ditches clear.

SWPPP or WPCP

- Tracking Control BMPs are to be included and discussed in section 500.3.4 or Section 600.2[1] for SWPPP and Section 30.2.3 of the WPCP.

[1]Section 600.2 for the LTCGP SWPPP

Water Conservation Practices

NS-1

Standard Symbol

Definition and Purpose

Water conservation practices are construction methods that minimize the use of water onsite or use water in a manner that avoids causing runoff, erosion and/or the discharge of pollutants to the storm drain system or receiving waters. Proper utilization of this BMP reduces or prevents non-stormwater discharges.

Appropriate Applications

Water conservation practices are implemented on all construction sites wherever water is used.

Limitations

- If not implemented correctly, discharges may trigger reporting and monitoring requirements and delay construction work.

Standards and Specifications

- Keep water equipment in good working condition.
- Ensure tracking controls are implemented in, near and around water truck filling areas.
- Repair water leaks promptly.
- Authorization is required for activities that could potentially discharge water into a storm drain system or receiving waters.
- Avoid using water to clean construction areas. Do not wash paved areas with water. Paved areas and roadways should be swept and vacuumed in accordance with SC-7 “Street Sweeping.”
- Apply water for dust control in accordance with Standard Specifications Section 10-4 Water Usage and BMP WE-1, “Wind Erosion Control.”
- Direct construction water runoff to areas where it can infiltrate into the ground or be collected and reused.
- Manage run-on to minimize contact with job site.

- Retain water spilled while filling water trucks within the designated water truck filling areas. Prevent tracking from water trucks and other equipment.
- Report discharges to the RE and the WPC Manager immediately.

Maintenance and Inspection

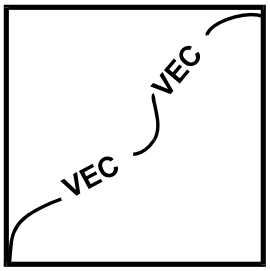
- Inspect water equipment areas at least weekly, prior to a forecasted rain event, daily during extended rain events and post-storm events.
- Inspect non-stormwater BMPs daily when non-stormwater operations are ongoing.
- Repair water equipment as needed.

SWPPP or WPCP

- Water Conservation Practices must be discussed in Section 500.3.5 of the SWPPP or Section 30.3.1 of the WPCP.

Vehicle and Equipment Cleaning

NS-8



Standard Symbol

BMP Objectives	
Soil Stabilization	☐
Sediment Control	☐
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☑
Materials and Waste Management	☐

Definition and Purpose

Vehicle and equipment cleaning procedures and practices are used to minimize or eliminate the discharge of pollutants from vehicle and equipment cleaning operations to storm drain systems or to watercourses.

Appropriate Applications

These procedures are applied on all construction sites where vehicle and equipment cleaning is performed.

Limitations

- This BMP may be limited or disallowed under regulatory agency permits, particularly near Environmentally Sensitive Areas (ESAs).
- Generates non-stormwater that requires management, and, in some cases, the disposal of hazardous waste.

Standards and Specifications

General Requirements

- Limit vehicle and equipment cleaning or washing at the job site except for the safety and protection of the equipment and as needed to comply with regulatory agency permits and approvals.
- Cleaning of vehicles and equipment with soap, solvents or steam shall not occur on the job site unless the RE has been notified in advance and the resulting wastes are fully contained in accordance with Standard Specifications Section 14-11 or 13-4.03D (5), whichever is applicable. Do not use diesel to clean vehicles and minimize the use of solvents.
- Vehicle and equipment wash water shall be contained for percolation or evaporative drying away from storm drain inlets or receiving waters and should not be discharged within the highway right-of-way. Apply other appropriate BMPs as applicable.

- All vehicles/equipment that regularly enter and leave the construction site must be cleaned off-site.
- Resulting wastes and by-products shall not be discharged or buried within the highway right-of-way, and must be captured and recycled or disposed according to the requirements of WM-10, "Liquid Waste Management" or WM-6, "Hazardous Waste Management," depending on the waste characteristics.

Implementation

- When vehicle/equipment washing/cleaning must occur onsite, and the operation cannot be located within a structure or building equipped with appropriate disposal facilities, the outside cleaning area shall have the following characteristics, and shall be arranged with the WPC Manager, QSD, or QSP as well as the Construction Storm Water Coordinator:
  - Located away from storm drain inlets, drainage facilities, or watercourses.
  - Paved with concrete or asphalt and bermed to contain wash waters and to prevent run-on and runoff.
  - Configured with a sump to allow collection and disposal of wash water.
  - Wash waters shall not be discharged to storm drains or watercourses.
  - Used only when necessary.
- When cleaning vehicles/equipment with water:
  - Use as little water as possible. High pressure sprayers may use less water than a hose, and shall be considered.
  - Use positive shutoff valve to minimize water usage.
  - Facility wash racks shall discharge to a sanitary sewer, recycle system or other approved discharge system and shall not discharge to the storm drainage system or watercourses.

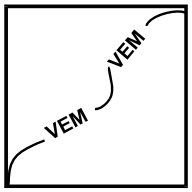
Maintenance and Inspection

- The control measure shall be inspected at least weekly, prior to a forecasted rain event, daily during extended rain events and post-storm events.
- Inspect wash area and sump regularly. Remove liquids and sediment as needed or as directed by the RE.

SWPPP or WPCP

- Vehicle Equipment Cleaning must be discussed in Section 500.4.2 of the SWPPP or Section 30.3 of the WPCP.

Vehicle and Equipment Maintenance NS-10



Standard Symbol

BMP Objectives

Soil Stabilization	☐
Sediment Control	☐
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☑
Materials and Waste Management	☐

Definition and Purpose

Procedures and practices to minimize or eliminate the discharge of pollutants to the storm drain systems or to receiving waters from vehicle and equipment maintenance activities.

Appropriate Applications

These procedures apply on all construction projects where an onsite uncovered yard area is necessary for storage and maintenance of heavy equipment and vehicles.

Limitations

- This BMP may be limited or disallowed under regulatory agency permits, particularly near Environmentally Sensitive Areas (ESAs).
- Onsite vehicle and equipment maintenance should only be used where it's impractical to send vehicles and equipment off-site for fueling.

Standards and Specifications

- When maintenance must occur onsite, the contractor shall select and designate an area to be used, subject to approval of the RE and implement appropriate controls for the activities to be performed.
- Dedicated maintenance areas shall be on level ground and protected from storm water run-on and runoff, and shall be located at least 50 ft from downstream drainage facilities and receiving waters.
- Protect maintenance areas with berms or dikes to prevent run-on, runoff, and to contain spills.
- For long-term projects, consider constructing roofs or using portable tents over maintenance areas.
- Absorbent spill clean-up materials and spill kits shall be available in maintenance areas and used on small spills instead of hosing down or burying techniques. Affected absorbent material and spill kits should be removed promptly and disposed of properly after use.

- Drip pans or absorbent pads shall be placed under vehicles and equipment when performing maintenance work that involves fluids. Vehicles and equipment maintenance areas shall not be left unattended during maintenance activities.
- Drip pans or plastic sheeting shall be placed under all vehicles and equipment placed on docks, barges, or other structures over water bodies when the vehicle or equipment is planned to be idle for more than one hour.
- Properly dispose or recycle used batteries and tires as well as any other vehicle or equipment parts.
- Substances used to coat asphalt transport trucks and asphalt-spreading equipment shall be non-toxic.
- Properly dispose of used oils, fluids, lubricants, and spill cleanup materials.
- Do not dump fuels and lubricants onto the ground.
- Do not place used oil in a dumpster or pour into a storm drain or watercourse.
- Do not bury used tires.
- Repair fluid and oil leaks immediately.
- Provide spill containment dikes or secondary containment around stored oil and chemical drums. Refer to WM-1, "Material Delivery and Storage" for details.

Maintenance and Inspection

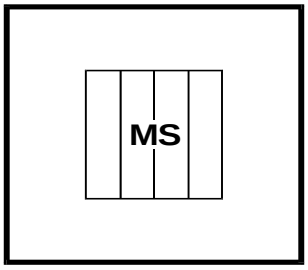
- Vehicles and equipment shall be inspected on each day of use for leaks. Leaks shall be repaired immediately or removed from the project site.
- Maintenance areas and storage tanks shall be inspected regularly.
- Maintain waste fluid containers in leak proof condition.
- Inspect equipment for damaged hoses and leaky gaskets routinely. Repair or replace as needed.
- Inspection and Maintenance of these areas must be properly documented and the WPC Manager must ensure no potential for discharges occur from these areas as part of the non-visible monitoring requirements.

SWPPP or WPCP

- Vehicle and Equipment Maintenance must be discussed in Section 500.4 of the SWPPP or Section 30.3 of the WPCP.

Material Delivery and Storage

WM-1



Standard Symbol

BMP Objectives

Soil Stabilization	☐
Sediment Control	☐
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☑

Definition and Purpose

Procedures and practices for the proper handling and storage of materials in a manner that minimizes or eliminates the discharge of these materials to the storm drain system or to receiving waters.

Appropriate Applications

These procedures are implemented at all construction sites with delivery and storage of the following:

- Hazardous chemicals such as:
  - Acids
  - lime
  - glues
  - adhesives
  - paints
  - solvents
  - curing compounds
- Soil stabilizers and binders
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease

- Asphalt and concrete components
- Pesticides and herbicides
- Other materials that may be detrimental if released to the environment.

Limitations

- Space limitation may preclude indoor storage.
- Storage sheds must meet building & fire code requirements and be leak free.

Standards and Specifications

General

- Train employees and subcontractors on the proper material delivery and storage practices.
- Temporary storage area shall be located away from vehicular traffic.
- Safety Data Sheets (SDS) shall be supplied to the RE for all materials stored. Can be done at any time but at least 5 days prior to material being used or stored onsite.
- Must comply with Caltrans Standard Specification 13-4, "Job Site Management", and 14-11, "Hazardous Waste and Contamination."

Material Storage Areas and Practices

- Liquids, petroleum products, and substances listed in 40 CFR Parts 110, 117, or 302 shall be stored in approved containers and drums and shall be placed in temporary containment facilities for proper storage.
- Each temporary containment facility shall have a permanent cover and side wind protection or be covered during non-working days and whenever a storm event is forecasted.
- A temporary containment facility shall provide for a spill containment volume able to contain precipitation from a 24-hour, 25-year storm event, plus the greater of ten percent of the aggregate volume of all containers or 100 percent of the capacity of the largest container within its boundary, whichever is greater.
- A temporary containment facility shall be impervious to the materials stored therein for a minimum contact time of 72 hours.
- A temporary containment facility shall be maintained free of accumulated rainwater and spills. In the event of spills or leaks, accumulated rainwater and spills shall be collected and placed into drums. These liquids shall be handled as a hazardous waste unless testing determines them to be non-hazardous. All collected liquids or non-hazardous liquids shall be sent to an approved disposal site.

- Sufficient separation shall be provided between stored containers to allow for spill cleanup and emergency response access.
- Incompatible materials, such as chlorine and ammonia, shall not be stored in the same temporary containment facility.
- Materials shall be stored in their original containers and the original product labels shall be maintained in place in a legible condition. Damaged or otherwise illegible labels shall be replaced immediately.
- Bagged and boxed materials shall be stored on pallets and shall not be allowed to accumulate on the ground. To provide protection from wind and rain, bagged and boxed materials shall be covered during non-working days and prior to rain events.
- Stockpiles shall be protected in accordance with WM-3, "Stockpile Management."
- Have proper storage instructions posted at all times in an open and conspicuous location and include it as an informal training component of the tailgates and ongoing WPC training.
- Do not store hazardous chemicals, drums, or bagged materials directly on the ground. Place these items on a pallet, under cover in secondary containment.
- Keep ample supply of appropriate spill clean up material near storage areas.
- Also, see WM-6, "Hazardous Waste Management," for storing of hazardous materials.

Material Delivery Practices

- Keep an accurate, up-to-date inventory of material delivered and stored on-site.
- Employees trained in emergency spill clean-up procedures shall be present when dangerous materials or liquid chemicals are unloaded.

Spill Clean-up

- Contain and clean up any spill immediately.
- If significant residual materials remain on the ground after construction is complete, properly remove and dispose any hazardous materials or contaminated soil.
- See WM-4, "Spill Prevention and Control," for spills of chemicals and/or hazardous materials.

Maintenance and Inspection

- Storage areas shall be kept clean, well organized, and equipped with ample clean-up supplies as appropriate for the materials being stored.
- Perimeter controls, containment structures, covers, and liners shall be repaired or replaced as needed to maintain proper function.
- Inspect storage areas before, during and after rainfall events, and at least weekly during other times. Collect and place into drums any spills or accumulated rainwater and dispose of properly.
- Material Delivery and Storage areas must be shown on the WPCDs and reflect current site conditions.

SWPPP or WPCP

- Material Delivery and Storage must be discussed in Section 500.4.2 of the SWPPP or Section 30.3.2 of the WPCP.

Stockpile Management

WM-3

Standard Symbol

BMP Objectives

Soil Stabilization	☐
Sediment Control	☐
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☑

Definition and Purpose

Stockpile management procedures and practices are designed to reduce or eliminate air and storm water pollution from stockpiles of soil, and paving materials such as portland cement concrete (PCC) rubble, asphalt concrete (AC), asphalt concrete rubble, aggregate base, aggregate subbase or pre-mixed aggregate, asphalt binder (so called "cold mix" asphalt) and pressure treated wood.

Appropriate Applications

Implemented in all projects that stockpile soil and other materials.

Limitations

Use of plastic cover might be restricted depending on the location of the site and regulatory permits.

Standards and Specifications

- Stockpiles must comply with Standard Specification 13-4.03C (3) Stockpile Management.
- Protection of stockpiles is a year-round requirement.
- Locate stockpiles a minimum of 50 ft. away from concentrated flows of storm water, drainage courses, and inlets.
- Utilize run-on and run-off BMPs to ensure stockpile materials are protected and do not have the potential to discharge material.
- Implement wind erosion control practices as appropriate on all stockpiled material. For specific information see WE-1, "Wind Erosion Control."
- Stockpiles of contaminated soil shall be managed in accordance with WM-7, "Contaminated Soil Management."
- Bagged materials should be placed on pallets and under cover.

Protection of Inactive Stockpiles

Inactive stockpiles of the identified materials shall be protected further as follows:

- Soil stockpiles:
  - soil stockpiles shall be covered or protected with soil stabilization measures and a temporary perimeter sediment barrier at all times. If no longer needed, they should be removed and disposed of properly.
- Stockpiles of portland cement concrete rubble, asphalt concrete, asphalt concrete rubble, aggregate base, or aggregate subbase:
  - the stockpiles shall be covered or protected with a temporary perimeter sediment barrier at all times. If no longer needed, they should be removed and disposed of properly.
- Stockpiles of "cold mix":
  - Cold mix stockpiles shall be placed on and covered with plastic or comparable material at all times and surround by a berm.
- Stockpiles/Storage of pressure treated wood with copper, chromium, and arsenic or ammonical, copper, zinc, and arsenate:
  - Treated wood shall be covered with plastic or comparable material and placed on pallets.

Protection of Active Stockpiles

Active stockpiles shall be protected further as follows:

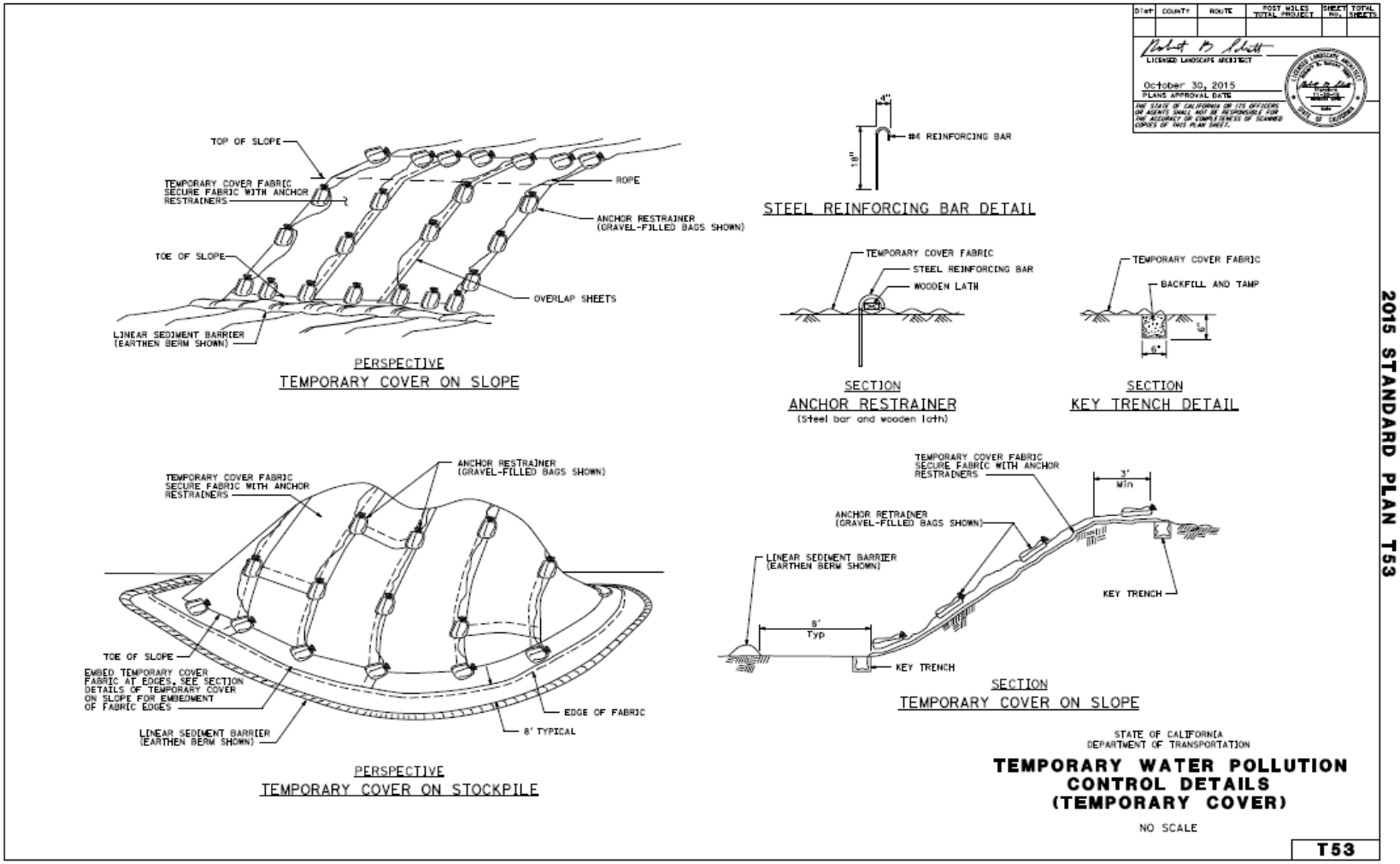
- All stockpiles shall be covered, stabilized, or protected with a temporary linear sediment barrier prior to the onset of precipitation.
- Stockpiles of "cold mix" shall be placed on and covered with plastic or comparable material prior to the onset of precipitation.
- All Stockpiles should be removed from the site and disposed of properly.

Maintenance and Inspections

- Inspect Stockpile Management areas before, during and after rainfall events, and at least weekly during other times.
- Repair and/or replace perimeter controls and covers to keep Stockpile Management functioning properly.
- Stockpile Management areas must be shown on the WPCDs and reflect site conditions.

SWPPP or WPCP

- Stockpile Management must be discussed in Section 500.4.2 of the SWPPP or Section 30.3.2 of the WPCP.


Dist
COUNTY
ROUTE
POST MILES TOTAL PROJECT
SHEET NO.
TOTAL SHEETS
LICENSED LANDSCAPE ARCHITECT
October 30, 2015
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
TOP OF SLOPE
TEMPORARY COVER FABRIC SECURE FABRIC WITH ANCHOR RESTRAINERS
ROPE
ANCHOR RESTRAINER (GRAVEL-FILLED BAGS SHOWN)
TOE OF SLOPE
OVERLAP SHEETS
LINEAR SEDIMENT BARRIER (EARTHEN BERM SHOWN)
PERSPECTIVE
TEMPORARY COVER ON SLOPE
#4 REINFORCING BAR
18"
STEEL REINFORCING BAR DETAIL
TEMPORARY COVER FABRIC
STEEL REINFORCING BAR
WOODEN LATH
SECTION
ANCHOR RESTRAINER
(Steel bar and wooden lath)
TEMPORARY COVER FABRIC
BACKFILL AND TAMP
6"
SECTION
KEY TRENCH DETAIL
TEMPORARY COVER FABRIC SECURE FABRIC WITH ANCHOR RESTRAINERS
ANCHOR RESTRAINER (GRAVEL-FILLED BAGS SHOWN)
TOE OF SLOPE
EMBED TEMPORARY COVER FABRIC AT EDGES, SEE SECTION DETAILS OF TEMPORARY COVER ON SLOPE FOR EMBEDMENT OF FABRIC EDGES
LINEAR SEDIMENT BARRIER (EARTHEN BERM SHOWN)
EDGE OF FABRIC
8' TYPICAL
PERSPECTIVE
TEMPORARY COVER ON STOCKPILE
TEMPORARY COVER FABRIC SECURE FABRIC WITH ANCHOR RESTRAINERS
3' Min
ANCHOR RETRAINER (GRAVEL-FILLED) BAGS SHOWN)
LINEAR SEDIMENT BARRIER (EARTHEN BERM SHOWN)
KEY TRENCH
8' Typ
KEY TRENCH
SECTION
TEMPORARY COVER ON SLOPE
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY COVER)
NO SCALE
T53
2015 STANDARD PLAN T53

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Spill Prevention and Control

WM-4

Standard Symbol

BMP Objectives

Soil Stabilization	☐
Sediment Control	☐
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☑

Definition and Purpose

These procedures and practices are implemented to prevent and control spills in a manner that minimizes or prevents the discharge of spilled material to the drainage system or watercourses.

Appropriate Application

This best management practice (BMP) applies to all construction projects. Spill control procedures are implemented anytime chemicals and/or hazardous substances are stored. Substances may include, but are not limited to:

- Soil stabilizers/binders.
- Dust Palliatives.
- Herbicides.
- Growth inhibitors.
- Fertilizers.
- Deicing/anti-icing chemicals.
- Fuels.
- Lubricants.
- Other petroleum distillates.

■ To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110, 117, and 302, and sanitary and septic wastes shall be contained and cleaned up immediately.

Limitations

- This BMP only applies to spills caused by the contractor. Other spills or discharges observed or discovered must be reported to the RE.
- Procedures and practices presented in this BMP are general. Contractor shall identify appropriate practices for the specific materials used or stored on-site and follow the appropriate Safety Data Sheets (SDS).

Standards and Specifications

- Must comply with Caltrans Standard Specifications 13-4.03B Spill Prevention and Control.
- To the extent that it doesn't compromise clean up activities, spills shall be covered and protected from stormwater run-on.
- Spills shall not be buried or washed with water. Potable water has chlorine and therefore should not be allowed to be discharged off the project site.
- Used clean up materials, contaminated materials, and recovered spill material that is no longer suitable for the intended purpose shall be stored and properly disposed of.
- Water used for cleaning and decontamination shall not be allowed to enter storm drains or watercourses and shall be collected and disposed of in accordance with WM-10, "Liquid Waste Management."
- Water overflow or minor water spillage shall be contained and shall not be allowed to discharge into drainage facilities or watercourses.
- Proper storage, clean-up and spill reporting instruction for hazardous materials stored or used on the project site shall be posted at all times in an open, conspicuous and accessible location.
- Waste storage areas shall be kept clean, well organized and equipped with ample clean-up supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers and liners shall be repaired or replaced as needed to maintain proper function.

Education

- Educate employees and subcontractors on what a "significant spill" is for each material they use, and what is the appropriate response for "significant" and "insignificant" spills.
- Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
- Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- Establish a continuing education program to indoctrinate new employees.

- The WPC Manager shall oversee and enforce proper spill prevention and control measures.
- The list of reportable quantities can be found at https://www.bnl.gov/esh/env/compliance/docs/SaraTitleList.pdf.

Cleanup and Storage Procedures

- Minor Spills:
  - Minor spills typically involve small quantities of oil, gasoline, paint, etc., which can be controlled by the first responder at the discovery of the spill.
  - Use absorbent materials on small spills rather than hosing down or burying the spill.
  - Remove the absorbent materials promptly and dispose of properly.
  - The practice commonly followed for a minor spill is:
    - Contain the spread of the spill.
    - Recover spilled materials.
    - Clean the area and/or properly dispose of contaminated materials.
- Semi-Significant Spills:
  - Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.
- Clean-up spills immediately:
    - Notify the WPC Manager immediately. The WPC Manager shall notify the RE and prepare the proper notifications as required.
- Contain spread of the spill.
    - If the spill occurs on paved or impermeable surfaces, clean up using "dry" methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials.
    - If the spill occurs in dirt areas, immediately contain the spill. Dig up and properly dispose of contaminated soil.
    - If the spill occurs during rain, cover spill with tarps to prevent contaminating runoff.

- Significant/Hazardous Spills:
  - For significant or hazardous spills that cannot be controlled by personnel in the immediate vicinity, the following steps shall be taken:
    - Notify the RE immediately and follow up with a written report.
    - Notify the local emergency response by dialing 911. In addition to 911, the contractor will notify the proper county officials. It is the contractor's responsibility to have all emergency phone numbers at the construction site.
    - Notify the Governor's Office of Emergency Services Warning Center, (800) 852-7550 or 1-916-845-8911.
    - For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor shall notify the National Response Center at (800) 424-8802.
    - Notification shall first be made by telephone and followed up with a written report. The reporting form is located at http://www.caloes.ca.gov/FireRescueSite/Documents/304%20-%20Written%20Report%20Form.pdf.
    - The services of a spills contractor or a Haz-Mat team shall be obtained immediately. Construction personnel shall not attempt to clean up the spill until the appropriate and qualified staff have arrived at the job site.
    - Other agencies which may need to be consulted include, but are not limited to, the Fire Department, the Public Works Department, the Coast Guard, the Highway Patrol, the City/County Police Department, Department of Toxic Substances, California Division of Oil and Gas, Cal/OSHA, RWQCB, etc.

Maintenance and Inspection

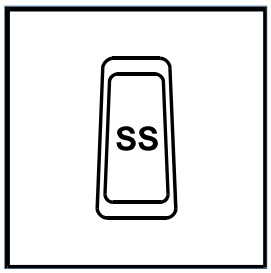
- Verify weekly that spill control clean-up materials are located near material storage, unloading, and use areas.
- Update spill prevention and control plans and stock appropriate clean-up materials when changes occur in the types of chemicals used or stored onsite.
- Improper clean-up might trigger need for water quality or soil testing. The WPC Manager should be proactive in ensuring controls are in place and adequate to contain and prevent further issues.

SWPPP or WPCP

- Spill Prevention and Control must be discussed in Section 500.4 of the SWPPP or Section 30.3.2 of the WPCP.

Sanitary and Septic Waste Management

WM-9



Standard Symbol

BMP Objectives

Soil Stabilization	☐
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Materials and Waste Management	☑

Definition and Purpose

Procedures and practices to minimize or eliminate the discharge of construction site sanitary and septic waste materials to the storm drain system or to receiving waters.

Appropriate Applications

Sanitary/septic waste management practices are implemented on all construction sites that use temporary or portable sanitary and septic waste systems.

Limitations

None identified.

Standards and Specifications

Education

- Educate employees, subcontractors, and suppliers on sanitary and septic waste storage and disposal procedures.
- Educate employees, subcontractors, and suppliers of potential dangers to humans and the environment from sanitary/septic wastes.
- Instruct employees, subcontractors, and suppliers in identification of sanitary/septic waste.
- Hold regular meetings to discuss and reinforce disposal procedures (incorporate into regular safety meetings and tailgates).
- Establish a continuing education program to indoctrinate new employees.

Storage and Disposal Procedures

- Temporary sanitary facilities shall be located away from drainage facilities, receiving waters, and from traffic circulation.
- When subjected to high winds or risk for overtopping, temporary systems must be properly secured.
- Wastewater shall not be discharged or buried within the highway right-of-way.
- Sanitary and septic systems that discharge directly into sanitary sewer systems, where permissible, shall comply with the local health agency, city, county, and sewer district requirements.
- If using an on-site disposal system, such as a septic system, comply with local health agency requirements.
- Properly connect temporary sanitary facilities that discharge to the sanitary sewer system to avoid illicit discharges.
- Ensure that sanitary and septic facilities are maintained in good working order by a licensed service.
- Use only reputable, licensed sanitary/septic waste haulers.

Maintenance and Inspection

- Inspect onsite sanitary and septic waste storage and disposal procedures at least weekly, prior to a forecasted rain event, daily during extended rain events and post-storm events.
- Locations for portable Santiary Systems must be shown on the WPCDs and reflect current site conditions.

SWPPP or WPCP

- Sanitary and Septic Waste Management must be discussed in Section 500.4.2 of the SWPPP or Section 30.3.2 of the WPCP.