

✓

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**W MINER ST      2000      (Cont'd)**

662      OCCUPANT UNKNOWN,

## NORTH ST 1995

307	MCCOLLOM, SCOTT W SANTIAGO, K
322	JOHNSTON, ELMER
324	KELLOGG, DOROTHY D
326	MOSER, AMBER
328	OCCUPANT UNKNOWNN
330	JOHNSTON, ELMER F
332	MCCONNELL, MIKE
334	TORPIN, RALPH
336	OCCUPANT UNKNOWNN
338	OCCUPANT UNKNOWNN
340	MCCONNELL, MIKE
400	MALLOY, MAXINE
412	KASTER, ROBERT F
427	HUYNH, MUOI
429	TAKIKAWA, HARVEY
500	OCCUPANT UNKNOWNN
503	HARMS, ANNA
504	OCCUPANT UNKNOWNN
507	MEAMBER, FRED J JR
508	OCCUPANT UNKNOWNN
605	SALZLER, FRANK
609	TAYLOR, ROY
615	CHUCKS TV REPAIR LECLAIR, CHARLES
618	SORRELS, SELMA E
619	OCCUPANT UNKNOWNN
625	OCCUPANT UNKNOWNN
626	MCNEES, JAMES
628	UYU, Z
637	OCCUPANT UNKNOWNN
638	GRIBKOFF, OLIVE
639	OCCUPANT UNKNOWNN
642	WILCOX, ARDITH
643	GRIFFITH, RONALD E
650	AKINS, CARL C
655	NYSTROM, ELEANOR
657	TEAGUE, N
659	KENDRIX, DONNA

**W MINER ST 1995**

107 IOOF HALL  
 113 GOLD CONNECTION  
 117 CHAMBER OF COMMERCE  
 GRANDMAS PARLOR  
 202 H & R BLOCK INC  
 204 OHLUNDS OFFICE SUPPLY  
 208 YREKA FLOWER & GIFT SHOP  
 209 CLIFFS TROPHIES  
 210 MINGS RESTUARANT & LOUNGE  
 215 CHRISTIAN SCIENCE READING ROOM  
 216 DANCE N THINGS  
 217 RAYS PHOTO CTR  
 219 LALOS MEXICAN RESTAURANT  
 223 TRANS BOOKS CO  
 229 SCAR  
 231 PATCH WORKS  
 300 COOLEY & POLLARD  
 LARRY G BACON  
 308 PALACE BARBER SHOP  
 311 TYRERS HALLMARK  
 312 KOZY KORNER HAIR STYLING  
 317 GOLD NUGGET PRINTING CO  
 319 MINER STREET DELI  
 320 BLACKS APPLIANCES  
 321 DONS SPORTING GOODS  
 322 YREKA CAFE  
 325 DEAN, SARAH  
 J R & CO  
 SISKIYOU VISITORS BUREAU  
 327 HANDS DOWN  
 SISKIYOU JEWELERS  
 328 MINER STREET BAKERY  
 329 PIEMME & BRYAN INC  
 332 BPOE 1980  
 333 CRAFTY COLLECTIBLES  
 OCCUPANT UNKNOWNN  
 400 HOSPICE SHOP  
 402 OCCUPANT UNKNOWNN  
 404 COLLECTION SERVICES SISKIYOU  
 CREDIT BUREAU SISKIYOU COUNTY  
 PRO TAX  
 US INTERNAL REVENUE SVC  
 412 OCCUPANT UNKNOWNN  
 YREKA POLICE DEPT  
 413 OCCUPANT UNKNOWNN  
 422 NEUFELD, DONNA M  
 423 MARKES, JAMIE  
 424 BERRY, DOVIE  
 426 OCCUPANT UNKNOWNN  
 428 BLEY, ERIN

**W MINER ST****1995****(Cont'd)**

429	TRUJILLO, ANDY
430	OCCUPANT UNKNOWNN
431	ROPER, S P
432	DICK, HARTMAN
434	OCCUPANT UNKNOWNN
436	BALDINO, JOSEPH
438	OCCUPANT UNKNOWNN
444	DARYL L WHEELER DDS WHEELER, DARYL
544	BAKER DENTAL LAB
547	KIVELA, KENNETH
551	DONAHOO, JAMES
556	TYRER, VERNA B
600	KLEAVER, M L
610	JOHNSON, SCOTT
624	OCCUPANT UNKNOWNN
630	OCCUPANT UNKNOWNN
632	NOVACK, SID
636	OCCUPANT UNKNOWNN
640	SKINNER, EARL H
644	OCCUPANT UNKNOWNN
648	CULP, ORLYN L
649	OCCUPANT UNKNOWNN
650	OCCUPANT UNKNOWNN
654	OCCUPANT UNKNOWNN
658	JEFFERSON, ELTON E
660	WILSON, ED
662	OCCUPANT UNKNOWNN

**NORTH ST 1992**

307	DUTRA, SCOTT J ZEDIKER, TREVOR
320	ARTZ, ARDIS K ROHRER, BRICE
324	KELLOGG, DOROTHY D
326	HOOD, E K
330	JOHNSTON, ELMER F
332	FRASER, R L
412	KASTER, ROBERT F
427	HUYNH, MUOI
500	HENRY, CHARLES
503	HARMS, ANNA
505	CLARK, DARIN GRAVENKAMP, DAVID
507	MEAMBER, FRED J JR
609	TAYLOR, ROY
615	ALCOHOLICS ANONYMS CHUCK'S TV REPAIR LECLAIR, CHARLES
618	SORRELS, SELMA E
619	PERE, ETIENNE
626	MCNEES, JAMES
628	EAKIN, GARY MILLER, E K SIMS, MATT
638	GRIBKOFF, OLIVE
642	WILCOX, ARDITH
650	AKINS, CARL C
655	NYSTROM, NORVE
657	THORNHILL, ROBERT
659	OCONNELL, SEAN L

## W MINER ST      1992

107	I O O F HALL
112	PRO-TAX
113	GOLD CONNECTION THE
117	CHAMBER OF COMMERCE GRANDMAS PARLOR YREKA CHAMBER COMRC
202	H & R BLOCK SCANNELL JAMES SCANNELL, JAMES
204	OHLUNDS OFC SUPPLY
208	YREKA FLOWER SHOP
210	MING'S RESTRNT&LNGE
211	BODY IMAGES
215	CHRISTIAN SCNCE REA
216	DANCE-N-THINGS
217	RAY'S PHOTO CENTER
219	LALO'S MEXICN RESTR
221	AMARAL THOMAS M AMARAL, THOMAS M E A P INFORMTN SYSM
223	BOOK STORE THE TRANS BOOKS COMPANY
225	BENSON TRVL EMPORUM NEW HORIZON ADVNTRS NORTHERN CALIFORNIA NORTHERN CENTER
231	NINE STITCHES PATCH-WORKS THE
300	COOLEY & POLLARD
306	DIET CENTER
308	PALACE BARBER SHOP
311	TYRER' STATIONERY
312	KOZY KORNER HAIR
314	FLOWER GALLERY THE
315	CAL-NOR CABLEVIEW
316	ALTA'S ANTIQUE BOUT
317	GOLD NUGGET PRINT YREKA GOLD NGGT CO
319	MINER STREET DELI
320	BLACK'S APPLIANCES
321	DONS SPORTING GOODS
322	YREKA BAKERY CAFE
325	WOMENS ECONOMIC INC
327	SISKIYOU JEWELERS
328	MINER STREET BAKERY
329	BRYAN HARRY E PIEMME & BRYAN INC PIEMME OSCAR J
332	B P O E 1980 ELKS LODGE

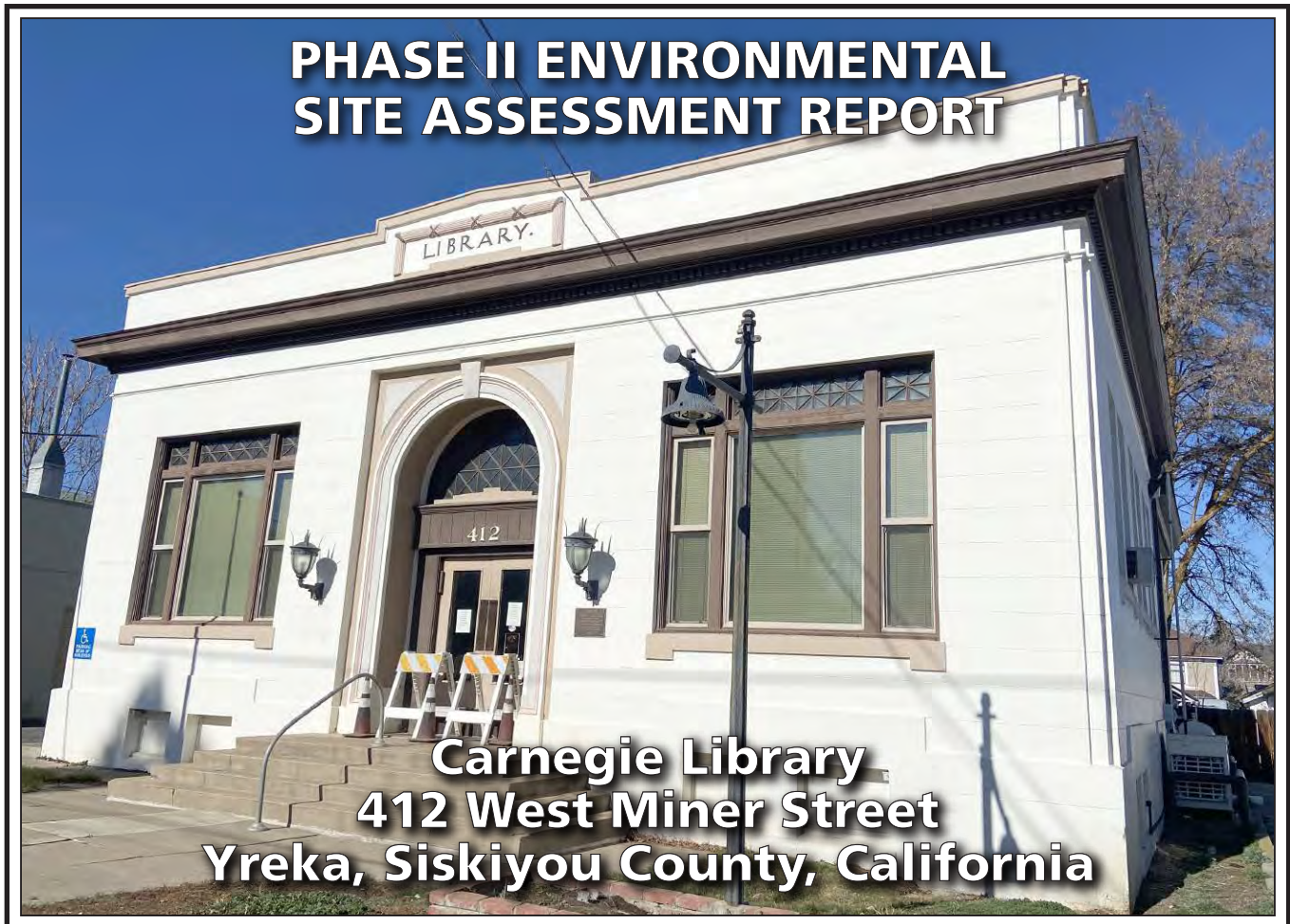
**W MINER ST****1992****(Cont'd)**

333	CRAFTY COLLECTABLES FABRIC COUNTRY
400	HOSPICE SHOP THE
404	CREDIT BUREAU SISKI SISKIYOU COMPUTER US INTERNAL REVENUE
412	CITY POLICE DEPT
418	SISKIYOU HEALTHCARE
419	YREKA COMMUNITY TV
422	NEUFELD, D M
427	KENSLEY, GRACE SCHAFFER, RICK
428	BLEY, ERIN
430	ROSTON, ROBERT
431	ROPER, S P
544	WHEELER DARYL L DDS
546	BARKLOW, RUTH A
556	TYRER, VERNA
600	KLEAVER, M L
610	JOHNSON, SCOTT
632	NOVACK, SID
636	WATERS, EMILY S
640	SKINNER, EARL H
648	WALLICK, JOHN
658	JEFFERSON, ELTON E
660	WILSON, ED
662	MILLER, SHIRLEY J
667	WARRICK, JIM
704	BARNES, GREGORY
705	NELSON, JOSEPH M
710	BROWN, ADELLE M
725	HUNT, WILLIAM
736	WHIPPLE, KENNETH E
737	LEWIS, BYRON M
738	CROWE, GLEN R SR

**Attachment H**  
Phase II ESA



# PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT



**Carnegie Library  
412 West Miner Street  
Yreka, Siskiyou County, California**

**PREPARED FOR:**

**SISKIYOU COUNTY ECONOMIC DEVELOPMENT COUNCIL  
1512 SOUTH OREGON STREET  
YREKA, CALIFORNIA 96097**

**AND**

**CITY OF YREKA  
701 4TH STREET  
YREKA, CALIFORNIA 96097**

**PREPARED BY:**

**GEOCON CONSULTANTS, INC.  
3160 GOLD VALLEY DRIVE, SUITE 800  
RANCHO CORDOVA, CALIFORNIA 95742**



**GEOCON PROJECT NO. S1894-07-05A**

**JUNE 2022**



Project No. S1894-07-05A  
June 7, 2022

Alia Roca-Lezra  
Program Manager  
Siskiyou County Economic Development Council  
1512 S. Oregon Street  
Yreka, California 96097

Subject: PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT  
YREKA CARNEGIE LIBRARY  
412 WEST MINER STREET  
YREKA, CALIFORNIA

Ms. Roca-Lezra:

In accordance with our Statement of Work S1894-07-05AP April 8, 2021 and revised October 7, 2021, and Master Services Agreement between Geocon Consultants, Inc. (Geocon) and the Siskiyou County Economic Development Council (SCEDC, the Client) dated January 9, 2020, we have performed a Phase II Environmental Site Assessment (ESA) of the property at 412 West Miner Street (the Site) in Yreka, California. We prepared this Phase II ESA Report for the SCEDC on behalf of the City of Yreka (the City) to further assess recognized environmental conditions and environmental concerns identified by our Phase I ESA of the Site as described in our report dated March 11, 2021.

We performed the work in general accordance with our final *Sampling and Analysis Plan* dated December 4, 2020 and approved by the United States Environmental Protection Agency on (December 3, 2020). The purpose of the Phase II ESA was to assess the potential presence of contaminants of concern in site soil and groundwater (if encountered) associated with an abandoned in place underground storage tank as well as asbestos-containing materials and lead-containing paint (combined "hazardous materials") in the onsite structure, and if present, to determine if they pose a threat to human health or the environment. The enclosed report describes the methods used to assess soil and groundwater at the Site and presents the findings of the Phase II ESA. The hazardous materials survey is included as a separate report appended to this Phase II ESA.

We appreciate the opportunity to assist you with this project. Please contact the undersigned if you have any questions concerning this report or if we may be of further service.

Sincerely,

**GEOCON CONSULTANTS, INC.**

Nicole Hastings-Bethel  
Project Environmental Scientist

John Juhrend, PE, CEG  
Senior Engineer



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- A. Hazardous Materials Survey
- B. Underground Storage Tank Documentation
- C. Siskiyou County Environmental Health Boring Permit
- D. Geophysical Investigation Results
- E. Boring Logs
- F. Asset Laboratories Analytical Report

# PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

## 1.0 INTRODUCTION

Geocon Consultants, Inc. (Geocon) conducted a Phase II Environmental Site Assessment (ESA) of the Yreka Carnegie Library (the Site) at 412 West Miner Street in Yreka, California (Figure 1). We performed the Phase II ESA for the Siskiyou County Economic Development Council (SCEDC, the Client) on behalf of the City of Yreka (the City) to further assess recognized environmental conditions (REC) and environmental concerns identified by our Phase I ESA of the Site as described in our report dated March 11, 2021. The Phase II ESA was funded by United States Environmental Protection Agency (USEPA) Brownfields community-wide assessment grant BF-99T61601 and we performed the work in general accordance with our final *Sampling and Analysis Plan* (SAP), dated January 21, 2022, and approved by the USEPA on January 24, 2022.

### 1.1 Purpose and Objectives

The purpose of the Phase II ESA was to assess the potential presence of contaminants of concern (COC) in soil and groundwater (if encountered) associated with an undocumented abandoned in place underground storage tank (UST) as well as asbestos-containing materials and lead-containing paint (combined “hazardous materials”) in and on site structures, and if present, to determine if they pose a threat to human health or the environment.

The objective of the Phase II ESA is to collect sufficient number of representative soil and groundwater samples from near the UST and building materials from the site building and have them analyzed for the COCs.

### 1.2 Responsible Agency

Other than the USEPA’s involvement with this project through grant funding and review of the SAP and the Siskiyou County Environmental Health’s (SCEH) involvement by issuing boring permits, there is no regulatory agency overseeing the project, reviewing the data generated, or reviewing and commenting on our reports. However, a copy of this Phase II ESA should be provided to the SCEH to support their “no further action” determination for the abandoned in place UST.

### 1.3 Report Organization

Following this introduction, the report is organized as follows:

- Section 2.0 Site Description – describes the Site and adjoining/adjacent properties, provides project background information, and summarizes previous site investigations.
- Section 3.0 Pre-Field Activities – describes activities conducted in preparation for fieldwork.
- Section 4.0 Field Methods and Procedures – describes the methods used to collect soil samples.

- Section 5.0 Observations, Laboratory Analysis, and Results – describes our field observations, the laboratory analysis program, and summarizes laboratory analysis results and quality assurance/quality control measures.
- Section 6.0 Health Risk Screening Evaluation – describes screening level criteria and compares COC concentrations to risk-based screening levels.
- Section 7.0 Conclusions – provides conclusions based on the COC concentrations and health risk screening evaluation.
- Section 8.0 References – lists references cited in the report.

The hazardous materials survey is summarized under a separate report and included as Appendix A.

## **2.0 SITE DESCRIPTION**

### **2.1 Site Location**

The Site is located at 412 West Miner Street in Yreka, Siskiyou County, California. The Site is situated in central Yreka approximately 1/3 mile west of Interstate 5 (Figure 1).

The Siskiyou County assessor's parcel number for the Site is 053-352-160. The Site is situated in the southeast quarter of Section 22 of Township 45 North, Range 7 West, Mount Diablo Base and Meridian. The latitude and longitude for the approximate center of the Site are 41.732703°N and -122.638813°W.

### **2.2 Site and Vicinity Description**

The approximate 0.41-acre Site is developed with the former Yreka Carnegie Library, a historic building. The Site is in the Historic District of Yreka, an area of residential, commercial, and municipal government uses with several preserved historic structures.

### **2.3 Background and Previous Investigations**

#### **2.3.1 Background**

The City of Yreka has owned the Site since 1913. The original Yreka Carnegie Library building was constructed on the Site in 1914 and was listed on the National Register of Historic Places in 1992. The Yreka Police Department occupied the facility from 1970 until 2019 when they moved into a new facility, and the Site has been vacant since. The northern portion of the building is an addition constructed in 1980.

During our Phase I ESA we reviewed Sanborn Fire Insurance Maps for several years from 1885 until 1961. The Sanborn Map for 1885 depicts a carpenter shop, a dwelling, and a shed on the Site. Only minor changes to the number and type of residential structures and the use of the carpenter shop are depicted on the maps for years between 1885 and 1901. The 1901 map labels the former carpenter shop as

‘vacant,’ and the former carpenter shop structure is not depicted on the 1908 map, likely indicating that the structure had been removed. The Carnegie library is depicted on the Sanborn maps for the first time in 1927 and continues to be depicted through 1961.

### **2.3.2 Previous Investigations and Regulatory Involvement**

We performed a Phase I ESA of the Site in March 2021 in general accordance with American Society for Testing and Materials (ASTM) Designation E 1527-13. During the Phase I ESA, we identified an apparently undocumented and abandoned-in-place UST on the Site. After consultation with SCEH, they determined that no further action was required for the UST; however, we consider the abandoned-in-place UST a potential environmental concern because it was apparently abandoned without taking appropriate measures (collection and analysis of soil samples) to determine if a release had occurred. The City provided documentation of the UST abandonment from November 2011 and our correspondence with SCEH regarding the undocumented abandoned-in-place UST in March 2021 is included in Appendix B.

A 1,100-gallon diesel or heating oil UST (it was identified as both in the SCEH provided records) was removed from the Site in 1989 under permit and oversight from SCEH and is an REC for the Site. The UST passed a tightness test, but analytical data from confirmation soil samples, if collected, was not included in SCEH records. The UST was depicted on a hand-drawn map as a 1,100-gallon diesel UST located adjacent to the northeastern corner of the Yreka Police Department (Carnegie) building, approximately where the kerosene AST and abandoned-in-place UST are currently located (Figures 2 and 3). We recommended a Phase II ESA of the Site to assess soil around the closed-in-place UST and soil where the 1,100-gallon UST had been removed to determine if releases from these USTs had occurred.

The presence of structures on the Site dating back to the 1880s, including on the northern portion where structures were present until the 1970s, suggests the possibility for additional undocumented heating oil USTs. We recommended that if undocumented USTs (or other subsurface features), or petroleum-contaminated soil are encountered during any future construction activities, they should be removed in accordance with SCEH requirements. We also stated that a geophysical survey of the Site could be performed to search for indications of existing USTs or other subsurface equipment or features.

Though not part of the ASTM E 1527-13 standard, given the age of the building and observations made by the City, we recommended that a hazardous materials survey be performed prior to any planned building renovation to determine if abatement of those materials was warranted and to inform proper disposal of any renovation demolition debris.

We subsequently prepared a *Statement of Work, Phase II Environmental Site Assessment* dated April 8, 2021 and revised October 7, 2021, describing the purpose and scope of services of the Phase II ESA, which, the SCEDC approved in email correspondence on October 7, 2021.

We identified no other previous investigations or regulatory involvement related to the Site.

### **3.0 PRE-FIELD ACTIVITIES**

#### **3.1 Sampling and Analysis Plan**

We prepared a SAP describing the scope of work for the Phase II ESA for review and approval by the USEPA. The USEPA approved our SAP on January 20, 2022 and we issued the final version on January 21, 2022.

#### **3.2 Health and Safety Plan**

We prepared a *Health and Safety Plan* for the planned field activities describing the physical and chemical hazards at the Site and providing guidance for Geocon field personnel. Based on our experience with similar projects, we considered the risk of significant exposure to COCs while sampling to be minimal. Work practices were employed to reduce the potential for significant exposure to contaminants (if any). On that basis, we used Level D personal protective equipment during field work.

#### **3.3 Permitting**

We obtained a boring permit (Appendix C) from SCEH and coordinated with them for observation/inspection of boring abandonment. Ms. Alexa Roche, Environmental Health Specialist with SCEH, provided oversight for the abandonment of the soil borings.

#### **3.4 Utility Clearance**

We marked the boring locations with white paint then contacted Underground Service Alert (USA) at least 3 working days prior to initiating field work so that USA could notify subscribing local utility companies to locate underground utilities in the vicinity of the onsite investigation areas. The USA ticket numbers for this project were X203901477 and X204001986.

Advanced Geological Services (AGS) of Moraga, California, a California-licensed geophysical subcontractor, additionally marked subsurface utilities identified during the geophysical survey with spray paint. AGS identified a high voltage electrical and propane line extending adjacent to and over the UST. The subsurface utility lines impacted how close to the UST we could advance borings.

#### **3.5 Laboratory Subcontractor Procurement**

We retained PeneCore Drilling (PeneCore) of Woodland, California, a California C-57 well drilling contractor (license number 906899) to advance the soil borings to depths between 23 and 24.5 feet. PeneCore is certified as a Small Business and Minority Business Enterprise.



We also retained Asset Laboratories (Asset) of Las Vegas, Nevada, for chemical analysis of soil samples. Asset is accredited by the State Water Resources Control Board's (SWRCB) Environmental Laboratory Accreditation Program and the National Environmental Laboratory Accreditation Program. Asset is certified as a Small and Disadvantaged Business Enterprise.

## **4.0 FIELD METHODS AND PROCEDURES**

This section summarizes the field methods and procedures for the geophysical survey and soil sample collection and handling. This section also summarizes the field equipment used, field screening, sampling methods, and decontamination procedures for sampling equipment.

### **4.1 Geophysical Survey**

AGS performed a geophysical survey of the Site on October 20, 2021. Apart from the abandoned-in-place UST, the survey did not identify any significant geophysical anomalies exhibiting the characteristics of a UST. The abandoned in place UST extends under the curb towards the site building and is situated beneath two air conditioning units and part of an old kerosene aboveground storage tank (AST) that is no longer in use. Additionally, an underground high-voltage electrical line extends over the UST (Figure 3).

AGS prepared a geophysical investigation report dated December 6, 2021 (Appendix D), which includes maps of the interpreted buried features. Since no indications of a UST were identified, we did not recommend any specific exploratory activities (i.e., excavation of exploratory test pits) to assess the areas that produced geophysical anomalies.

### **4.2 Soil Boring Advancement**

On February 16, 2022, Penecore advanced borings B1, B2, and B3 to refusal using a track-mounted Geoprobe 6610DT direct-push rig on the east side of the Carnegie building (Figure 3) where an abandoned-in-place UST is located and near where the UST was removed in 1989. In each direct-push boring we collected a soil core by pushing clean, stainless-steel, hollow rods fitted with 4-foot-long clear acetate liners. As the push rods were driven downward, the acetate liners filled with soil (the soil core). We then removed the soil cores from the rods and observed soil in the cores for soil type, evidence of impacts (i.e., staining and odors), and screen soil for volatile organic compounds (VOC) with a photoionization detector (PID). Our field geologist, working under the direction of a California Professional Geologist, logged the soil in each core in accordance with the Unified Soil Classification System and recorded the soil type and apparent contamination in the soil (visual or olfactory and PID readings) on boring logs (Attachment E).

We attempted to advance each 1.75-inch-diameter boring to groundwater anticipated at a depth of approximately 20 feet; however, the drill rods encountered refusal between 23 and 24.5 feet in each of the borings and groundwater was not encountered. Penecore inserted a temporary 1-inch PVC casing with a slotted screen section in each of the boreholes and left them open for up to five hours (because of a delay in the grouting inspection), but groundwater did not flow into the borings.

### **4.3 Soil Sample Collection**

We collected soil samples from the soil cores by cutting 6-inch-long sections from the planned sample depth intervals in the cores and capped them with Teflon® sheets and polyethylene end caps. Each sample was labeled with a unique sample ID, date and time of collection, sampler's initials, and the project name and number and was placed in a chilled cooler for transport to Asset.

### **4.4 Boring Abandonment and Investigative Derived Waste**

Alexa Roche, Environmental Health Specialist with SCEH gave us permission over the phone to abandon the borings without her direct observation. PeneCore removed the 1-inch PVC with slotted screen from the borehole and backfilled each boring with neat cement through a tremie pipe to 3 inches below the surface, per SCEH requirements, and capped each boring with concrete to match the surrounding surface.

Investigative-derived wastes generated during soil boring advancement were contained in a labeled 55-gallon drum kept at the Geocon warehouse, pending waste acceptance and disposal.

## **5.0 FIELD OBSERVATIONS, LABORATORY ANALYSIS, AND ANALYSIS RESULTS**

This section summarizes our observations of soil at the Site, laboratory analysis of soil samples, and the results of laboratory analysis.

### **5.1 Field Observations**

The concrete slab adjacent to the east of the Carnegie building and partially over the UST is approximately 4 inches. Fill, consisting of gravel and silty/clayey sand with brick fragments was observed to a depth of approximately 4 feet. Alluvium generally consisting of dark yellowish brown clayey silt was observed to approximately 10 feet where it transitioned to a coarse sandy silt with gravel. Refusal was encountered at 23 to 24.5 feet and groundwater was not encountered. We observed no indications of contamination (i.e., staining or chemical odors) in any site soil. We did not observe backfill material from a UST excavation in any of our borings, but based on the hand-drawn map included with the UST removal records from 1989, our borings were in the general vicinity of the removed UST.

### **5.2 Laboratory Analysis**

Asset analyzed the soil samples for the following:

- Gasoline-, diesel- and oil-range organics (GRO, DRO, and ORO), and kerosene by USEPA Method 8015B;
- Metals (cadmium, chromium, nickel, zinc, and lead) by USEPA Method 6010B;
- Polychlorinated biphenyls (PCBs) by USEPA Method 8082; and
- VOCs by USEPA Method 8260B.

Kerosene was reported as the hydrocarbon range C9 to C18.

### 5.3 Laboratory Analysis Results - Soil

As summarized on Tables 1 and 2, GRO, DRO, ORO, kerosene, VOCs, PCBs, and cadmium were not detected in soil samples from B1, B2, or B3. The following table summarizes the concentration ranges for the metals chromium, lead, nickel and zinc and a comparison to the associated residential and commercial Department of Toxic Substances Control (DTSC) Human Health Risk Assessment screening levels (DTSC-SL) or the USEPA Regional Screening Levels (RSL), whichever is more conservative.

<b>Metal</b>	<b>Number of Samples Detected In</b>	<b>Concentration Range (mg/kg)</b>	<b>Residential/Commercial DTSC-SL/RSL (mg/kg)</b>
Chromium	11	120 (B2-4.5) to 300 (B2-32)	120,000/1,800,000
Lead	8	1.1 (B1-7.0) to 2.9 (B2-4.5)	80/320
Nickel	11	120 (B2-4.5) to 750 (B2-32)	820/11,000
Zinc	11	31 (B2-32) to 71 (B3-6.0)	23,000/350,000

Chromium, lead, nickel, and zinc were not detected in soil samples at concentrations exceeding their respective residential screening levels. These concentrations are also consistent with naturally occurring background concentrations. Soil at the Site is alluvium that is derived from igneous rock, which tend to be naturally higher in chromium and nickel than soil derived from other parent materials. The laboratory analytical report is in Appendix F.

### 5.4 Quality Assurance/Quality Control

#### 5.4.1 Field QA/QC

We implemented field quality assurance and quality control (QA/QC), which included collecting a duplicate soil sample for analysis.

Soil sample B2-32 was a duplicate of sample B2-22. Both samples were non-detect for GRO, DRO, ORO, kerosene, VOCs, PCBs, and cadmium. The relative percent differences (RPD) for chromium, nickel and zinc was 18% to 20%, indicating good repeatability and data quality. The RPD for lead was 40%; however, this was due to low contaminant concentrations (non-detect and 1.5 mg/kg) and do not necessarily indicate poor data quality (EPA, 2014).

#### **5.4.2 Laboratory QA/QC**

We reviewed the analytical laboratory quality assurance and quality control (QA/QC) provided with Asset's report. The data show acceptable surrogate recoveries and non-detect results for the lab blanks and acceptable recoveries and RPDs for most of the laboratory control samples (LCS). The LCS was biased high for some VOC analytes; however, the sample results were non-detect for these analytes and reanalysis of the samples was not necessary. The matrix spike (MS) and matrix spike duplicate (MSD) for metals was outside recovery criteria possibly due to matrix interference since the LCS recovery was acceptable. The MS/MSD suggest the metals analytical results may be biased high.

Based on the field and laboratory QA/QC data, the data are of sufficient quality for the purposes of this report.

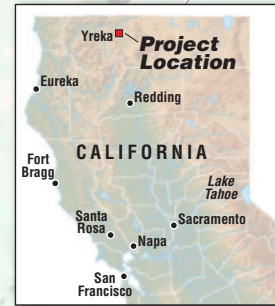
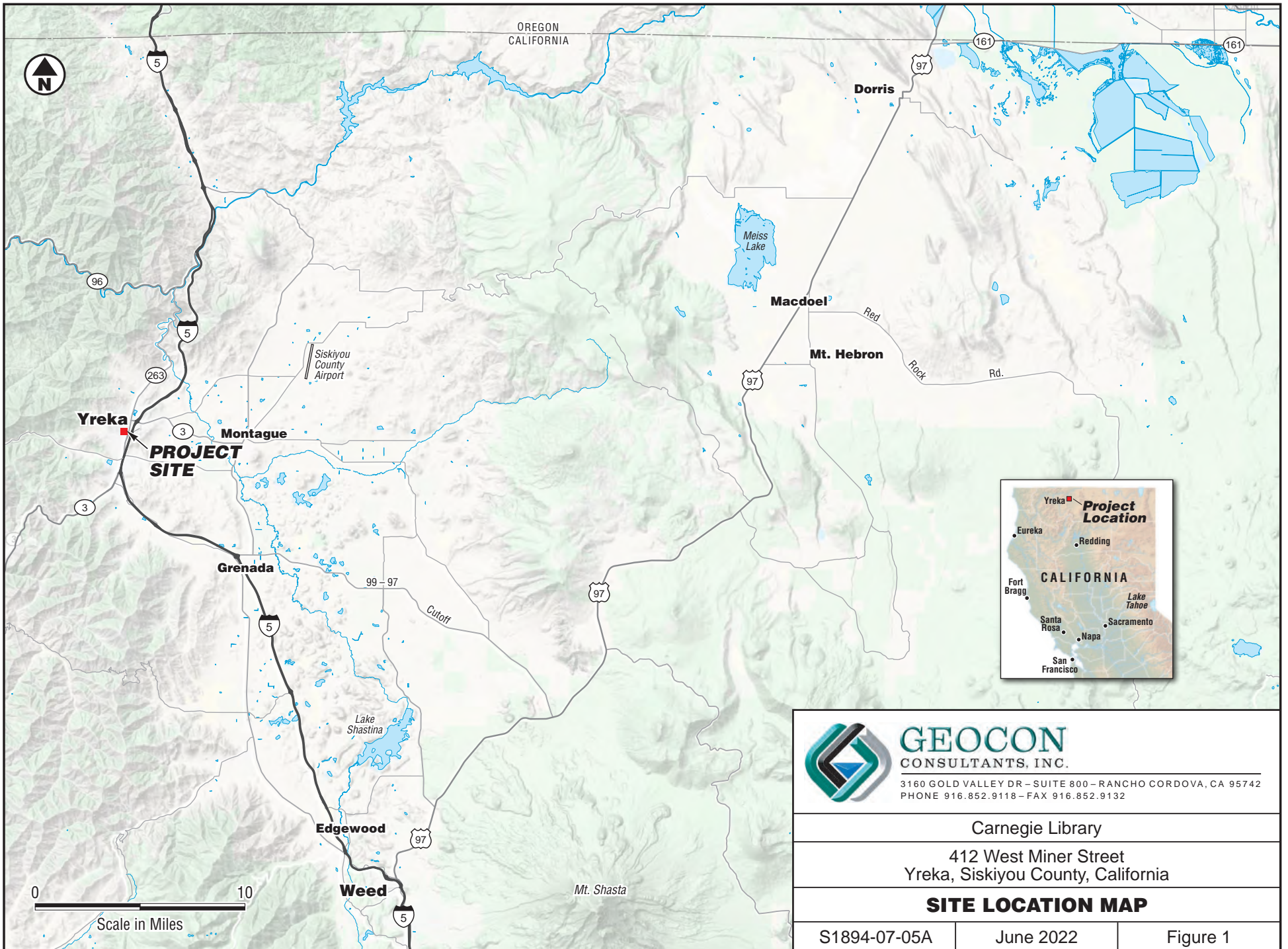
## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Petroleum related contaminants of concern including DRO, ORO, kerosene, VOCs, and PCBs (associated with waste oil) were not detected in soil on the north, east, or south side of the undocumented abandoned-in-place UST, indicating that there has not been a significant release from the UST. Because of the location of the UST against a building and under an electrical line, we could not access the west side of the UST or advance an angled boring beneath the UST. However, if a release from the UST has occurred, it was likely minimal. Additionally, groundwater is greater than a depth of 24 feet at the Site indicating that if a release had occurred, groundwater is unlikely to have been impacted.

No further assessment for the previously removed or abandoned-in-place UST appears to be warranted. This Phase II ESA should also be provided to the SCEH.

## 7.0 REFERENCES

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- Geocon Consultants, Inc. *Phase I Environmental Site Assessment, Carnegie Library*, dated March 11, 2021, Geocon Project No. S1894-03-05.
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- San Francisco Bay Regional Water Quality Control Board, *Environmental Screening Levels*, Rev.2, July 2019.
- United States Environmental Protection Agency, *Laboratory Data Review for the Non-Chemist*, October 2014.
- United States Environmental Protection Agency, *Regional Screening Levels for Chemical Contaminants at Superfund Sites*, website: <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>, May 2022.
- United States Geological Survey (USGS), *Yreka Quadrangle, California, 7.5-minute Topographic Map*, Scale 1:24,000; 2018.



 <b>GEOCON</b> CONSULTANTS, INC. <small>3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742          PHONE 916.852.9118 - FAX 916.852.9132</small>		
Carnegie Library 412 West Miner Street Yreka, Siskiyou County, California		
<b>SITE LOCATION MAP</b>		
S1894-07-05A	June 2022	Figure 1



LEGEND:

— Approximate Site Boundary

0 30  
Scale in Feet



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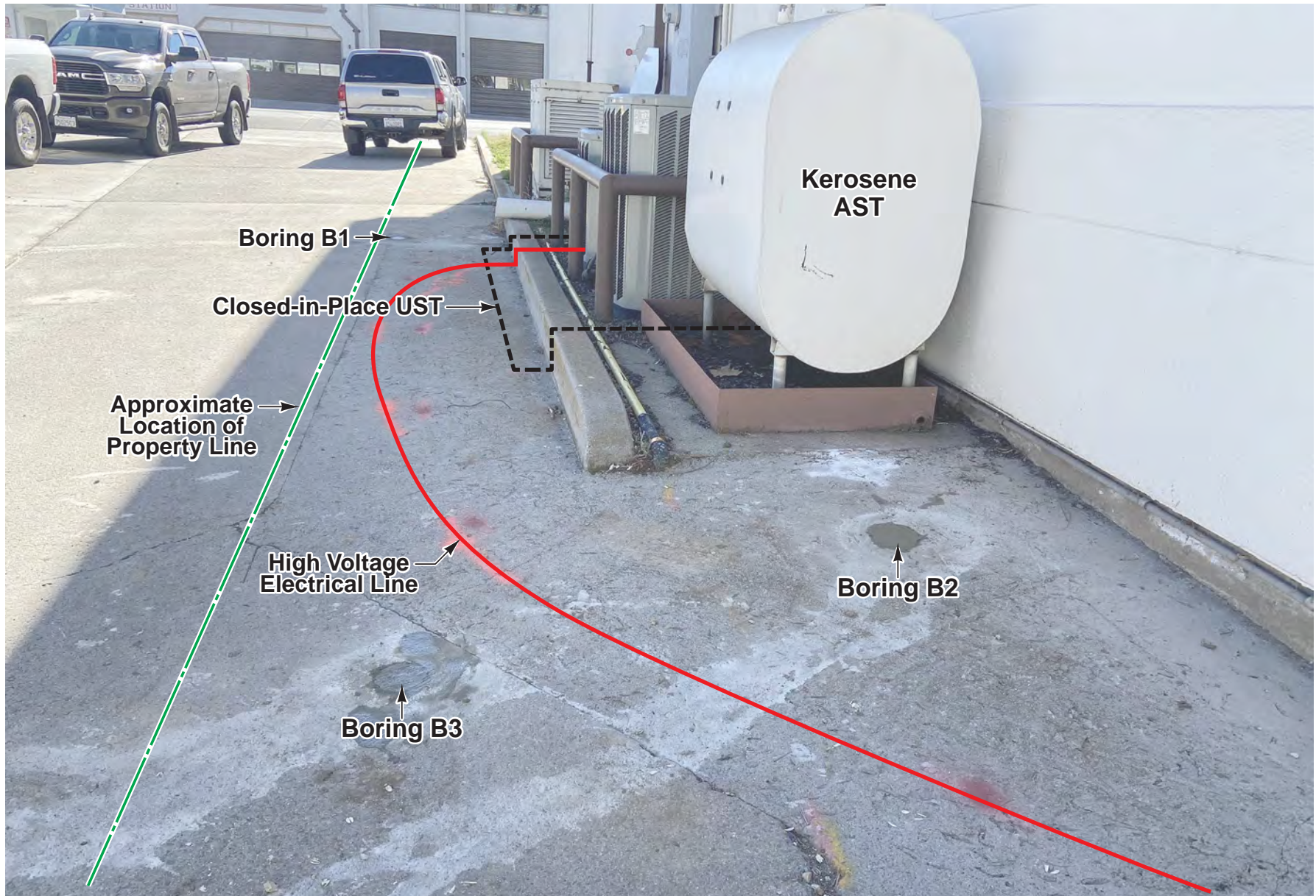
**SITE PLAN**

S1894-07-05A

June 2022

Figure 2





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**BORINGS AND  
UST LOCATION**

Carnegie Library

412 West Miner Street  
Yreka, Siskiyou County, California

S1894-07-05A

June 2022

Figure 3

TABLE 1  
 SUMMARY OF SOIL ANALYTICAL RESULTS  
 PETROLEUM-RANGE ORGANICS, VOCs, AND PCBs  
 YREKA CARNEGIE LIBRARY  
 412 W. MAIN STREET  
 YREKA, CALIFORNIA

SAMPLE ID	SAMPLE DATE	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Kerosene (mg/kg)	VOCs (µg/kg)	PCBs (µg/kg)
B1-4.5	2/16/2022	<1.0	<10	<10	<10	ND	ND
B1-7	2/16/2022	<1.0	<10	<10	<10	ND	ND
B1-19.5	2/16/2022	<1.0	<9.9	<9.9	<9.9	ND	ND
B2-4.5	2/16/2022	<1.0	<9.9	<9.9	<9.9	ND	ND
B2.5.5	2/16/2022	<1.0	<10	<10	<10	ND	ND
B2.9.5	2/16/2022	<1.0	<9.9	<9.9	<9.9	ND	ND
B2-22.5	2/16/2022	<1.0	<10	<10	<10	ND	ND
B3-4.5	2/16/2022	<1.0	<10	<10	<10	ND	ND
B3-6.0	2/16/2022	<1.0	<9.9	<9.9	<9.9	ND	ND
B3-22.5	2/16/2022	<1.0	<9.9	<9.9	<9.9	ND	ND
Residential ESLs		430	260	12,000	---	various	various
Commercial ESLs		2,000	1,200	180,000	---	various	various

Notes:

GRO = gasoline-range organics

DRO = diesel-range organics

ORO = oil-range organics

VOCs = volatile organic compounds

PCBs = polychlorinated biphenyls

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

<, ND = not detected at concentration equal to or greater than laboratory reporting limit

--- = not applicable

ESLs = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels - Residential, 2019, Rev. 2

TABLE 2  
 SUMMARY OF SOIL ANALYTICAL RESULTS - SELECT METALS  
 YREKA CARNEGIE LIBRARY  
 412 WEST MINER STREET  
 YREKA, CALIFORNIA

ANALYTE	Cadmium	Chromium	Lead	Nickel	Zinc
SAMPLE ID	milligrams per kilogram				
B1-4.5	<1.0	130	2.5	130	54
B1-7	<1.0	130	1.1	160	67
B1-19.5	<1.0	160	1.7	400	34
B2-4.5	<1.0	120	2.9	120	56
B2.5.5	<1.0	170	1.8	180	55
B2.9.5	<1.0	230	<1.0	220	63
B2-22.5	<1.0	250	<1.0	750	38
B3-4.5	<1.0	130	2.7	140	53
B3-6.0	<1.0	140	1.8	180	71
B3-22.5	<1.0	220	<1.0	440	43
Residential DTSC-SL/RSL	7.1	120,000*	80	820	23,000
Commercial DTSC-SL/RSL	79	1,800,000*	320	<i>11,000</i>	350,000

Notes: < = less than laboratory reporting limits

DTSC-SL = Department of Toxic Substances Control Screening Level - Human Health Risk Assessment Note 3, June 2020, revised May 2022

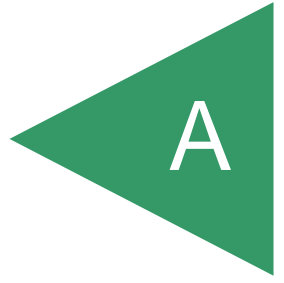
RSL = Regional Screening Level - United States Environmental Protection Agency, May 2022

*Italics* = DTSC-SL

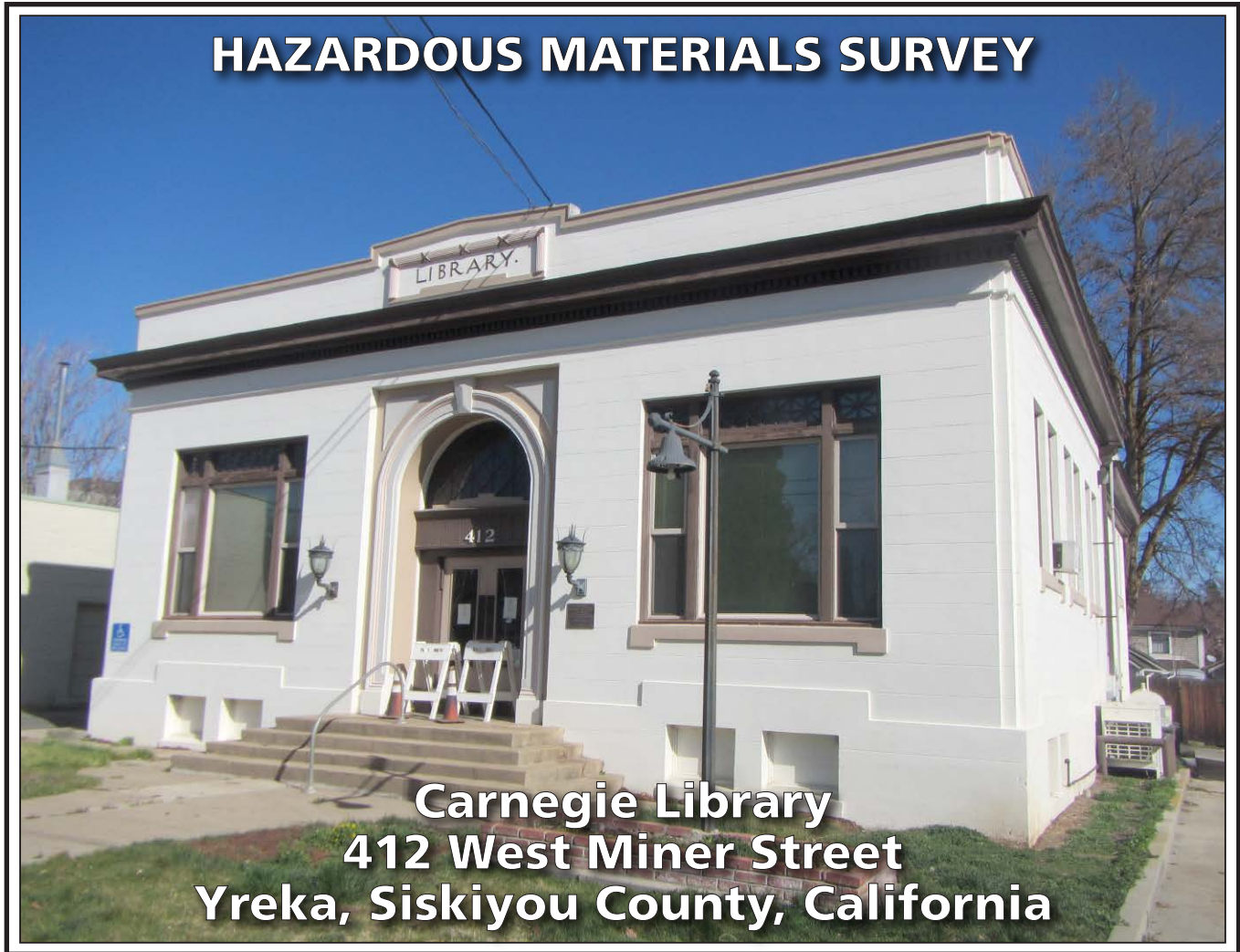
\* No established limit for total chromium, limits shown are for chromium III

APPENDIX

A



# HAZARDOUS MATERIALS SURVEY



**Carnegie Library  
412 West Miner Street  
Yreka, Siskiyou County, California**

**PREPARED FOR:**

**SISKIYOU COUNTY ECONOMIC DEVELOPMENT COUNCIL  
1512 SOUTH OREGON STREET  
YREKA, CALIFORNIA 96097**



**PREPARED BY:**

**GEOCON CONSULTANTS, INC.  
3160 GOLD VALLEY DRIVE, SUITE 800  
RANCHO CORDOVA, CALIFORNIA 95742**



**GEOCON PROJECT NO. S1894-07-05A**

**JUNE 2022**



Project No. S1894-07-05A  
June 7, 2022

Alia Roca-Lezra, Program Manager  
Siskiyou County Economic Development Council  
1512 S. Oregon Street  
Yreka, California 96097

Subject: HAZARDOUS MATERIALS SURVEY REPORT  
YREKA CARNEGIE LIBRARY  
412 WEST MINER STREET  
YREKA, CALIFORNIA

Ms. Roca-Lezra:

In accordance with our Statement of Work S1894-07-05AP April 8, 2021 and the revised October 7, 2021, Master Services Agreement between Geocon Consultants, Inc. and the Siskiyou County Economic Development Council (SCEDC) dated January 9, 2020, we have performed a Hazardous Materials Survey of the building improvements at 412 West Miner Street in Yreka, California. We prepared this Hazardous Materials Survey report for the SCEDC on behalf of the City of Yreka to provide information regarding the potential for asbestos, deteriorated lead-containing paint (LCP), Universal Waste, and other hazardous building materials at the Site prior to planned renovation operations.

Our scope of services included surveying the onsite structure for suspect asbestos-containing materials, deteriorated LCP, Universal Waste and other suspect hazardous building materials, collecting bulk samples, and submitting the samples to laboratories for analyses. The accompanying report summarizes the services performed and the results of laboratory analyses.

We appreciate the opportunity to assist you with this project. Please contact the undersigned if you have any questions concerning this report or if we may be of further service.

Respectfully Submitted,

**GEOCON CONSULTANTS, INC.**

Chris Giuntoli, CAC (No. 02-3163)  
Senior Environmental Scientist

(1 Electronic)

Addressee

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2. Site Plan – First Floor
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- A. Cal/OSHA and CDPH Certifications
- B. Laboratory Reports and Chain-of-custody Documentation

# HAZARDOUS MATERIALS SURVEY REPORT

## 1.0 INTRODUCTION

Geocon Consultants, Inc. (Geocon) performed a Hazardous Materials (HAZMAT) Survey at the vacant two-story, commercial building (the Site, former Carnegie Library) located at 412 West Miner Street in Yreka, California. Our work was performed for the Siskiyou County Economic Development Council (SCEDC) on behalf of the City of Yreka. This report describes the methodology, procedures, and results of the survey.

### 1.1 Site Description and Location

The Site consists of an approximate 2,800-square-foot, two-story (with basement) commercial building. The approximate site location is depicted on the Site Location Map, Figure 1. The Site is depicted on the Site Plans (Figures 2 through 4) and shown in the attached photographs.

### 1.2 Purpose and Objectives

The purpose of the HAZMAT survey at the Site prior to renovation operations was to: 1) assess the potential presence and quantity of asbestos and deteriorated lead-containing paint (LCP), 2) conduct destructive sampling to identify and quantify asbestos-containing materials (ACM) and deteriorated LCP, and 3) inventory observed materials representing Universal Waste and other suspect hazardous building materials.

The objectives of the HAZMAT survey were to: 1) collect representative samples of building materials at the Site to determine their asbestos and lead content so these materials may be managed and disposed of appropriately, 2) conduct an inventory of observed Universal and Waste and other suspect hazardous building materials so these materials may be managed and/or recycled or disposed of appropriately, and 3) minimize impacts to the health of construction workers and the public during demolition operations involving these materials.

The information obtained from this investigation will be used by the SCEDC and the City of Yreka, for waste profiling, determining California Occupational Safety and Health Administration (Cal/OSHA) applicability, coordinating asbestos and LCP disturbance activities, and removal and recycling of Universal Wastes and other suspect hazardous building materials.

*It was not Geocon's intent during this inspection to conduct an evaluation of lead-based paint hazards in accordance with United States Department of Housing and Urban Development (HUD) guidelines.*

### 1.3 Previous Survey Reports and Architectural Plans

Previous survey reports for the site structure and detailed architecture plans were not available for our review.



## 2.0 REGULATORY BACKGROUND

This section describes asbestos and LCP as they are defined by Federal and State law.

### 2.1 Asbestos

The Code of Federal Regulations (CFR), 40 CFR 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP) and Federal Occupational Safety and Health Administration (FED OSHA) classify asbestos-containing material (ACM) as any material or product that contains *more than* 1% asbestos. Nonfriable ACM is classified by NESHAP and the San Diego County Air Pollution Control District (SDCAPCD) as either Category I or Category II material defined as follows:

- **Category I** – asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products.
- **Category II** – all remaining types of nonfriable ACM not included in Category I that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Regulated asbestos-containing material (RACM), a California hazardous waste when friable, is classified as any manufactured material that contains *greater than* 1% asbestos by dry weight *and* is:

- Friable; or
- Category I material that has become friable; or
- Category I material that has been subjected to sanding, grinding, cutting or abrading; or
- Category II nonfriable material that has a high probability of becoming crumbled, pulverized, or reduced to a powder during demolition or renovation.

Activities that disturb materials containing *any* amount of asbestos are subject to certain requirements of the Cal/OSHA asbestos standard in Title 8, California Code of Regulations (CCR) §1529. Typically, removal or disturbance of more than 100 square feet of material containing more than 0.1% asbestos must be performed by a registered asbestos abatement contractor, but associated waste labeling is not required if the material contains 1% or less asbestos. When the asbestos content of a material exceeds 1%, virtually all requirements of the standard become effective.

Materials containing more than 1% asbestos are also subject to NESHAP regulations (40 CFR Part 61, Subpart M). RACM (friable ACM and nonfriable ACM that will become friable during demolition or renovation operations) must be removed from buildings prior to demolition or renovation. Contractors are responsible for segregating and characterizing waste streams prior to disposal.

With respect to potential worker exposure, notification, and registration requirements, Cal/OSHA defines asbestos-containing construction material (ACCM) as construction material that contains more than 0.1% asbestos (Title 8, CCR 341.6).

## 2.2 Lead Paint

Construction activities (including demolition) that disturb materials or paints containing *any* amount of lead are subject to certain requirements of the Cal/OSHA lead standard in Title 8, CCR, §1532.1. Deteriorated paint is defined by Title 17, CCR, Division 1, Chapter 8, §35022 as a surface coating that is cracking, chalking, flaking, chipping, peeling, non-intact, failed, or otherwise separating from a component. Demolition of a deteriorated LCP component would require waste characterization and appropriate disposal. Intact LCP on a component is currently accepted by most landfills and recycling facilities; however, contractors are responsible for segregating and characterizing waste streams prior to disposal.

For a solid waste containing lead, the waste is classified as California hazardous when: 1) the representative total lead content equals or exceeds the respective Total Threshold Limit Concentration (TTLC) of 1,000 milligrams per kilogram (mg/kg); or 2) the representative soluble lead content equals or exceeds the respective Soluble Threshold Limit Concentration (STLC) of 5 milligrams per liter (mg/l) based on the standard Waste Extraction Test (WET). The soluble lead concentration of a waste has the potential to exceed the lead STLC when the waste's representative total lead concentration is greater than or equal to 10 times the respective STLC value since the WET uses a 1:10 dilution ratio. Hence, when total lead is detected at a concentration greater than or equal to 50 mg/kg, and assuming that 100 percent of the total lead is soluble, soluble lead analysis is warranted. Lead-containing waste is classified as "Resource, Conservation, and Recovery Act" (RCRA) hazardous, or Federal hazardous, when its soluble lead concentration equals or exceeds the Federal regulatory level of 5 mg/l based on the Toxicity Characteristic Leaching Procedure (TCLP).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability; however, for the purposes of this investigation, toxicity (i.e., lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or other criteria. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

Potential hazards exist to workers who remove or cut through LCP coatings during demolition. Dust containing hazardous concentrations of lead may be generated during scraping or cutting materials coated with lead-containing paint. Torching of these materials may produce lead oxide fumes. Therefore, air monitoring and/or respiratory protection may be required during the demolition of materials coated with LCP. Guidelines regarding regulatory provisions for construction work where workers may be exposed to lead are in the Title 8, CCR, §1532.1.

### 3.0 SCOPE OF SERVICES

Chris Giuntoli performed the HAZMAT survey at the Site on March 16 and 17, 2022. Mr. Giuntoli is a California-Certified Asbestos Consultant (CAC), Certification Number 02-3163 (expiration June 19, 2023), and California Department of Public Health (CDPH) Certified Lead Paint Inspector/Assessor and Project Monitor, Certification Numbers LRC-304 and LRC-303 (expiration June 14, 2023). Copies of Mr. Giuntoli's Cal/OSHA CAC and CDPH certification cards are in Appendix A.

The site structure was vacant at the time of our survey.

#### 3.1 Asbestos

We grouped suspect ACM into homogeneous areas at the site structure with representative samples randomly collected from each area. In addition, we evaluated each potential ACM for quantity and friability. We collected 121 bulk samples representing 47 material types at the Site.

Our procedures for inspection and sampling included:

- Collecting bulk asbestos samples after first wetting friable material with a mist of water. We then cut the samples from the substrate and transferred them to labeled containers. Note that when we collected multiple samples, we distributed the sample locations throughout the homogeneous area (spaces where the material was observed).
- Relinquishing bulk asbestos samples under chain-of-custody (COC) to EMSL Analytical, Inc. (EMSL) in San Leandro, a California-licensed laboratory, for asbestos analysis in accordance with United States Environmental Protection Agency (USEPA) Test Method 600/R-93/116 using polarized light microscopy (PLM) procedures. EMSL is accredited by the National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program (NIST-NVLAP; NVLAP Lab Code: 101048-3) for bulk asbestos fiber analysis. We requested the laboratory analyses on a 10-day turnaround time.

Sample locations are depicted on Figures 2 through 4. Geocon sample group identification numbers, material descriptions, locations, approximate quantities, friability assessments, and photo references are summarized in Table 1. Asbestos-containing materials represented by the samples collected are shown in the attached photographs.

#### 3.2 Lead Paint

We collected ten bulk paint samples from the Site. Mr. Giuntoli field composited eight of the paint samples into four two-part composite samples of similar paint schemes. Our sampling procedures included:

- Collecting representative bulk samples of suspect LCP using techniques presented in the HUD guidelines. In addition, we evaluated each painted area for evidence of deterioration such as flaking or cracking.

- Relinquishing LCP samples under COC to Asset Laboratories (Asset) of Las Vegas, Nevada, a California-licensed laboratory, for lead analyses in accordance with USEPA Test Method 6020. Asset is accredited by the California State Water Resources Control Board Environmental Lead Laboratory Accreditation Program for lead analysis. We requested the laboratory analyses on a 5-day turnaround time.

Sample locations are depicted on Figures 2 and 3. Geocon paint sample identification numbers, paint descriptions, locations, approximate peeling/flaking quantities, and photo references are summarized in Table 2. Materials represented by the samples collected are shown in the attached photographs.

#### 4.0 INVESTIGATIVE RESULTS

This section presents a summary of the results of laboratory analysis of samples for asbestos and lead content and a summary of observed readily-accessible materials representing Universal Waste and suspect hazardous building materials. Reproductions of the laboratory reports and chain-of-custody documentation for asbestos and lead are in Appendix B.

#### 4.1 Asbestos

Laboratory analytical results and field observations for materials testing positive for asbestos are summarized below. Complete laboratory analysis results for asbestos are presented in Table 1.

412 West Miner Street Yreka, California Summary of Positive Asbestos Analysis Results					
Polarized Light Microscopy (PLM) - USEPA Test Method 600/R-93/116					
Sample Group No.	Description of Material	Approximate Quantity <sup>1</sup>	Friable	Asbestos Content <sup>2</sup>	USEPA Category
412-2	Brown resilient sheet flooring with yellow mastic	400 square feet	Yes (backing)	20 and 25% - Sheet flooring ND - Mastic	RACM
412-6	Gray stair tread with brown mastic	150 square feet	No	ND - Stair tread 2% - Brown mastic	Category II Nonfriable
412-10	Dark brown carpet mastic	550 square feet	No	3%	Category II Nonfriable
412-19	Multi-colored 9"x9" floor tile with black mastic	10 square feet	No	3% - Floor tile 4% - Black mastic	Category I/II Nonfriable
412-21	Roof Core (main roof field) with silver paint	2,800 square feet	No	ND - Asphalt roofing layers <1% - Silver paint <sup>3</sup>	Category II Nonfriable
412-22	Roof parapet with silver paint	500 square feet	No	ND - Asphalt roof parapet layers <1% - Silver paint <sup>3</sup>	Category II Nonfriable

<b>412 West Miner Street Yreka, California Summary of Positive Asbestos Analysis Results</b>					
<b>Polarized Light Microscopy (PLM) - USEPA Test Method 600/R-93/116</b>					
<b>Sample Group No.</b>	<b>Description of Material</b>	<b>Approximate Quantity <sup>1</sup></b>	<b>Friable</b>	<b>Asbestos Content <sup>2</sup></b>	<b>USEPA Category</b>
412-23	Roof penetration mastic with silver paint	25 square feet	No	8% – Roof mastic 2% - Silver paint	Category I/II Nonfriable
412-24	Roof parapet cap with silver paint	250 square feet	No	8% – Roof mastic 3% - Silver paint	Category I/II Nonfriable
412-25	Roof parapet with silver paint	300 square feet	No	ND – Asphalt roofing layers 2% - Silver paint	Category II Nonfriable
412-26	Roof penetration mastic with silver paint	20 square feet	No	6% – Roof mastic 2% - Silver paint	Category I/II Nonfriable
412-36	Gypsum board with joint compound (wall system)	3,600 square feet	NA	<0.25 – 0.50% - Joint compound*	NA
412-37	Wall texture on gypsum board wall system	3,200 square feet	NA	<0.25 – 0.50% *	NA
412-45	18-inch-diameter Thermal System Insulation (crawlspce HVAC ducts)	35 linear feet	Yes	60%	RACM
Not Sampled	Fire door	25 square feet	Yes (Assumed)	Assumed ACM	RACM (if removed)

USEPA –United States Environmental Protection Agency

1 - Quantities of ACM listed are approximate. Contractors are responsible for field verifying field site conditions and actual ACM quantities prior to abatement

2 - Identified asbestos is the chrysotile variety

3 - Asbestos-containing silver paint layer was not point counted. Assume Asbestos-Containing Material at greater than 1%

ND – not detected

NA – not applicable

\* - analyzed using PLM point count methodology (400 points)

RACM – Regulated Asbestos-Containing Material

## 4.2 Paint Analytical Results

Total lead was detected in five of six interior and exterior paints sampled at the Site at concentrations ranging from 24 to 4,800 mg/kg. Field observations and laboratory analysis results for paint with detectable concentrations of lead at the Site are summarized in the table below. Complete laboratory analysis results for paint are presented in Table 2.

412 West Miner Street Yreka, California Summary of Positive Lead Laboratory Analysis Results – Paint					
Total and Soluble Lead					
Sample No.	Material Description	Approximate Quantity Peeling/Flaking	Total Lead (mg/kg)	WET Lead (mg/l)	TCLP Lead (mg/l)
412-P1	White paint (northern exterior walls)	10 square feet	41	---	---
412-P2	White paint (southern exterior walls)	Intact	4,800	---	0.81
412-P3	White paint (southern interior perimeter plaster walls)	Intact	1,000	---	1.5
412-P4	White paint (southern interior gypsum board walls)	Intact	180	1.7	---
412-P5	White paint (southern interior plaster basement walls)	25 square feet	24	---	---

mg/kg – milligrams per kilogram

mg/l – milligrams per liter

WET – Waste Extraction Test

TCLP – Toxicity Characteristic Leaching Procedure

--- - not analyzed

< - not detected at concentrations equal to or exceeding the analytical method practical quantitation limit

### 4.3 Universal Waste and Other Suspect Hazardous Building Materials

Universal wastes and suspect hazardous building materials observed at the site building consist of the following:

- fluorescent light tubes and compact fluorescent light bulbs (possible mercury-containing components);
- fluorescent light ballasts (potential PCBs);
- emergency lights with rechargeable batteries (potential metals and lead);
- pad-mounted heating, ventilation and air conditioning (HVAC) units, pad- and wall-mounted air conditioners, refrigerator (potentially contains CFCs);
- smoke detectors (potential americium);
- unused kerosene aboveground storage tank (AST);
- natural gas-powered auxiliary generator; and
- miscellaneous paints.

An inventory of observed universal waste and suspect hazardous building materials is presented in Table 3.

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

### 5.1 Asbestos

Asbestos was detected in representative samples or assumed present at concentrations exceeding 1% in the following materials:

- Brown pebble-pattern resilient sheet flooring (paper backing) (RACM);
- Stair tread mastic (Category II Nonfriable material);
- Carpet mastic (Category II Nonfriable material);
- Multi-colored 9"x9" resilient floor tile and associated mastic (Category I/II Nonfriable material);
- Silver paint applied to underlying asphalt built-up roofing materials (Category II Nonfriable material);
- Roof mastics (Category I Nonfriable materials);
- Thermal system insulation (paper duct wrap) (RACM); and
- Fire door (assumed ACM) (RACM).

Asbestos was detected at concentrations less than 1% in samples representing joint compound and wall texture applied to the gypsum board wall system.

NESHAP regulations require that the resilient sheet flooring, thermal system insulation, and fire door (materials that represent RACM) identified during our HAZMAT survey be removed prior to renovation or demolition activities that would disturb these materials. The removal of these materials must be performed by a licensed asbestos abatement contractor registered with Cal/OSHA.

NESHAP regulations also require that the flooring/carpet mastics (Category II nonfriable/nonhazardous materials) identified during our asbestos survey be removed prior to renovation or demolition activities that would disturb these materials. Flooring/carpet mastics may represent RACM if made friable during renovation or demolition. We recommend that these asbestos-containing materials also be removed by a licensed asbestos abatement contractor registered with Cal/OSHA.

NESHAP regulations do not require that the 12"x12" floor tiles or roofing mastics (Category I nonfriable/nonhazardous materials) identified during our asbestos survey be removed prior to renovation or demolition activities that would disturb these materials or treated as hazardous waste. However, we also recommend that these asbestos-containing materials be removed by a licensed asbestos abatement contractor registered with Cal/OSHA prior to renovation or demolition of the structure.

NESHAP regulations do not require that materials containing 1% or less asbestos (i.e., interior gypsum board wall system with wall texture) identified during our asbestos survey be removed prior to disturbance activities associated with renovation or demolition. However, the disturbance of these materials is still

covered by the Cal/OSHA asbestos standard (Title 8, CCR §1529). We recommend that a licensed contractor registered with Cal/OSHA for asbestos-related work perform disturbance activities of these materials associated with renovation or demolition.

Contractors are responsible for informing the landfill of the contractor's intent to dispose of asbestos waste. Some landfills may require additional waste characterization. Contractors are responsible for segregating and characterizing waste streams prior to disposal.

We recommend notifying the contractors that will be conducting demolition, renovation, or related activities of the presence of asbestos in their work areas. The notification would include providing contractors with a copy of this report and a list of asbestos removed during subsequent abatement activities. Contractors should be instructed not to disturb asbestos during their work.

Written notification to USEPA Region 9 is required 10 working days prior to commencement of *any* demolition activity (whether asbestos is present or not) and for renovation activities involving specific quantities of RACM.

In accordance with Title 8, CCR 341.9, written notification to the nearest Cal/OSHA district office is required at least 24 hours prior to certain asbestos-related work.

## **5.2 Lead Paint**

Total lead was detected in five of six representative samples of interior and exterior paints sampled at the Site at concentrations ranging from 24 to 4,800 mg/kg.

Intact white exterior paint (southern offices, Sample 412-P2A/B) and white interior paint (perimeter walls, southern offices, Sample 412-P3A/B) would be considered a California hazardous waste based on the total lead concentrations if the paints were stripped, blasted, or otherwise separated from the substrates.

Deteriorated white exterior paint (northern offices, Sample 412-P1) and interior wall paint (basement, southern offices, Sample 412-P5) would not be considered a California or Federal (RCRA) hazardous waste based on total lead concentrations if the paints were stripped, blasted, or otherwise separated from the substrates.



Intact white interior paint (partition walls, southern offices and interior walls, northern offices, Samples 412-P4A/B and 412-P6A/B) would not be considered a California or Federal (RCRA) hazardous waste based on total lead concentrations if the paints were stripped, blasted, or otherwise separated from the substrates.

We recommend that all paints on the site structure be treated as lead-containing for purposes of determining the applicability of the Cal/OSHA lead standard during maintenance, renovation, or demolition activities. This recommendation is based on the paint sample analyses and the fact that lead was a common ingredient of paints manufactured before 1978 and is still an ingredient of some paints. Compliance and training requirements regarding construction activities where workers may be exposed to lead are presented in Title 8, CCR, §1532.1, subsections (e) and (l), respectively. In accordance with Title 8, CCR, §1532.1(p), written notification to the nearest Cal/OSHA district office is required at least 24 hours prior to certain lead-related work.

### **5.3 Universal Waste and Suspect Hazardous Building Materials**

#### **5.3.1 Fluorescent Lights**

Fluorescent light tubes, and compact fluorescent bulbs should be removed from the light fixtures and managed for recycling.

#### **5.3.2 Fluorescent Light Ballasts**

Fluorescent ballasts should be inspected for PCB status (labeling) prior to renovation or demolition work. Fluorescent light ballasts that are unlabeled or lack a “No PCBs” designation should be treated as PCB-containing components and managed as a hazardous waste.

#### **5.3.3 Rechargeable Batteries**

Rechargeable batteries present in emergency lighting should be removed from the equipment and managed for recycling prior to disposing of the equipment.

#### **5.3.4 Refrigerants**

The pad-mounted HVAC units, pad- and wall-mounted air conditioners, and refrigerator, should be removed for re-use or have the refrigerant in the equipment reclaimed for recycling prior to managing the equipment for recycling or disposal.

#### **5.3.5 Smoke Detectors**

The smoke detectors should be inspected for labeling indicating a radioactive ionization source (i.e., americium). If labeling indicates the use of a radioactive ionization source in the unit, the smoke detector should be returned to the manufacturer for proper disposal.

### **5.3.6 Kerosene AST**

The kerosene should be drained from the unused AST and associated piping and managed for recycling or disposal. The AST and associated piping should be flushed and rinsed prior to removal for disposal or recycling.

### **5.3.7 Auxiliary Generator**

The natural gas supply to the auxiliary generator should be closed and disconnected from the generator prior to relocation of the generator for offsite reuse or disposal/recycling.

### **5.3.8 Paint**

The miscellaneous paints should be managed for recycling.

Removal of universal waste or suspect hazardous building materials from the Site for recycling or disposal should be conducted by contractors licensed to handle, transport, and/or dispose of universal waste and hazardous wastes.

## 6.0 REPORT LIMITATIONS

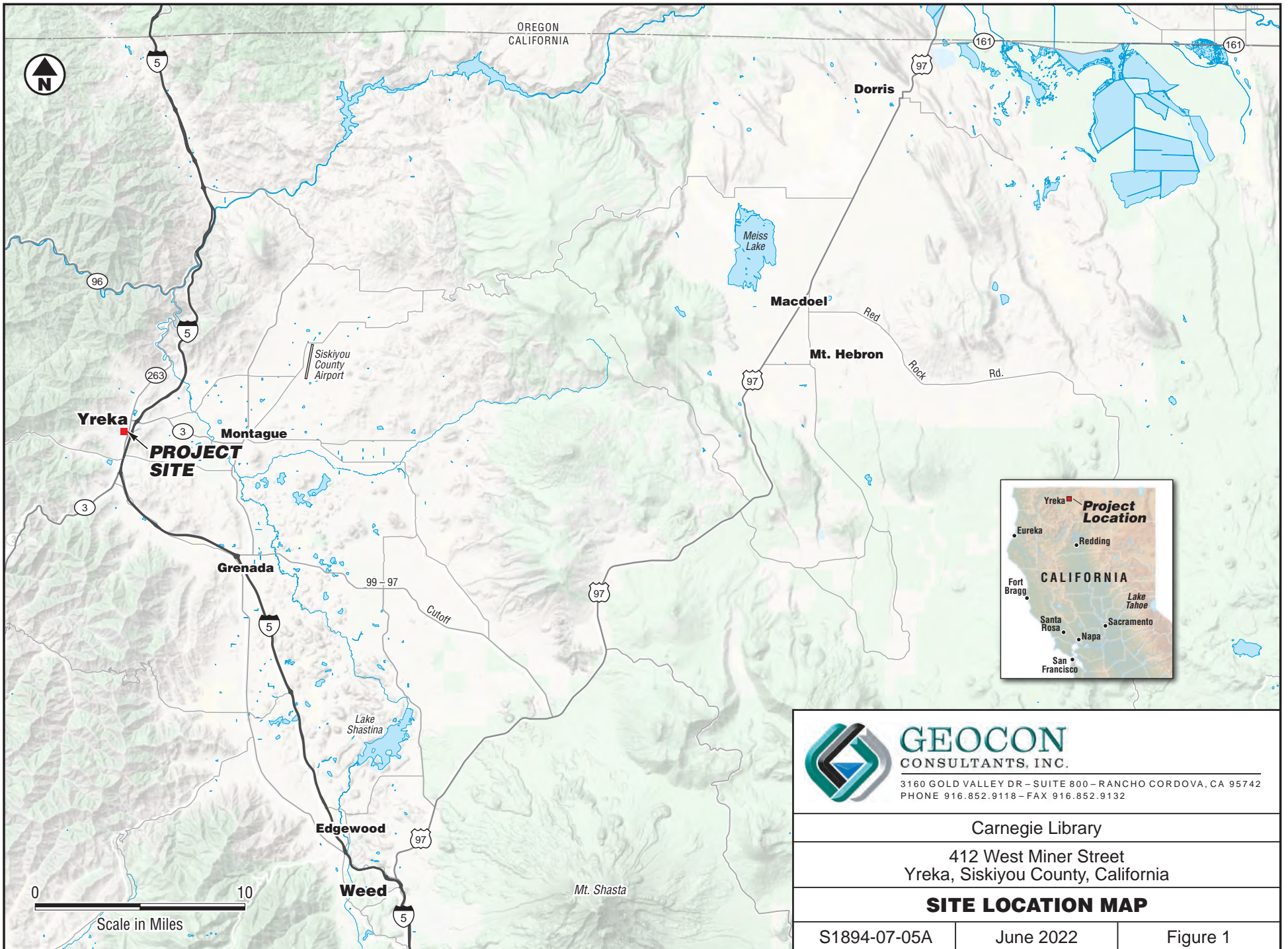
This report has been prepared exclusively for the SCEDC and the City of Yreka. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information obtained.

The HAZMAT survey was conducted in conformance with generally accepted standards of practice for identifying and evaluating asbestos and LCP in structures. The survey addressed only the site structure identified in Section 1.1. Due to the nature of structure surveys, asbestos and LCP use, and laboratory analytical limitations, some asbestos and deteriorated LCP in the structure may not have been identified. Spaces, such as cavities, crawlspaces, voids, and pipe chases, may have been concealed to our investigator. Previous retrofit/rehabilitation work may have concealed or covered spaces or materials, or may have partially demolished materials and left debris in inaccessible areas. Additionally, retrofit/rehabilitation activities may have partially replaced asbestos with indistinguishable non-asbestos. Asbestos and LCP may exist in areas not accessible or sampled in conjunction with our scope of services.

During demolition operations, suspect materials may be uncovered which are different from those accessible for sampling during this assessment. Personnel in charge of demolition should be alerted to note materials uncovered during such activities that differ substantially from those included in this or previous assessment reports. If additional suspect materials are found, they should be treated as hazardous until/unless sampling and analysis indicate otherwise.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to sources other than those specified herein. Therefore, the report should be deemed conclusive with respect to only the information obtained. We make no warranty with respect to the content of this report or subsequent reports, correspondence, or consultation. Geocon strove to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the data presented herein. This report does not constitute a standard, specification, or regulation.



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CONSULTANTS, INC.

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Carnegie Library

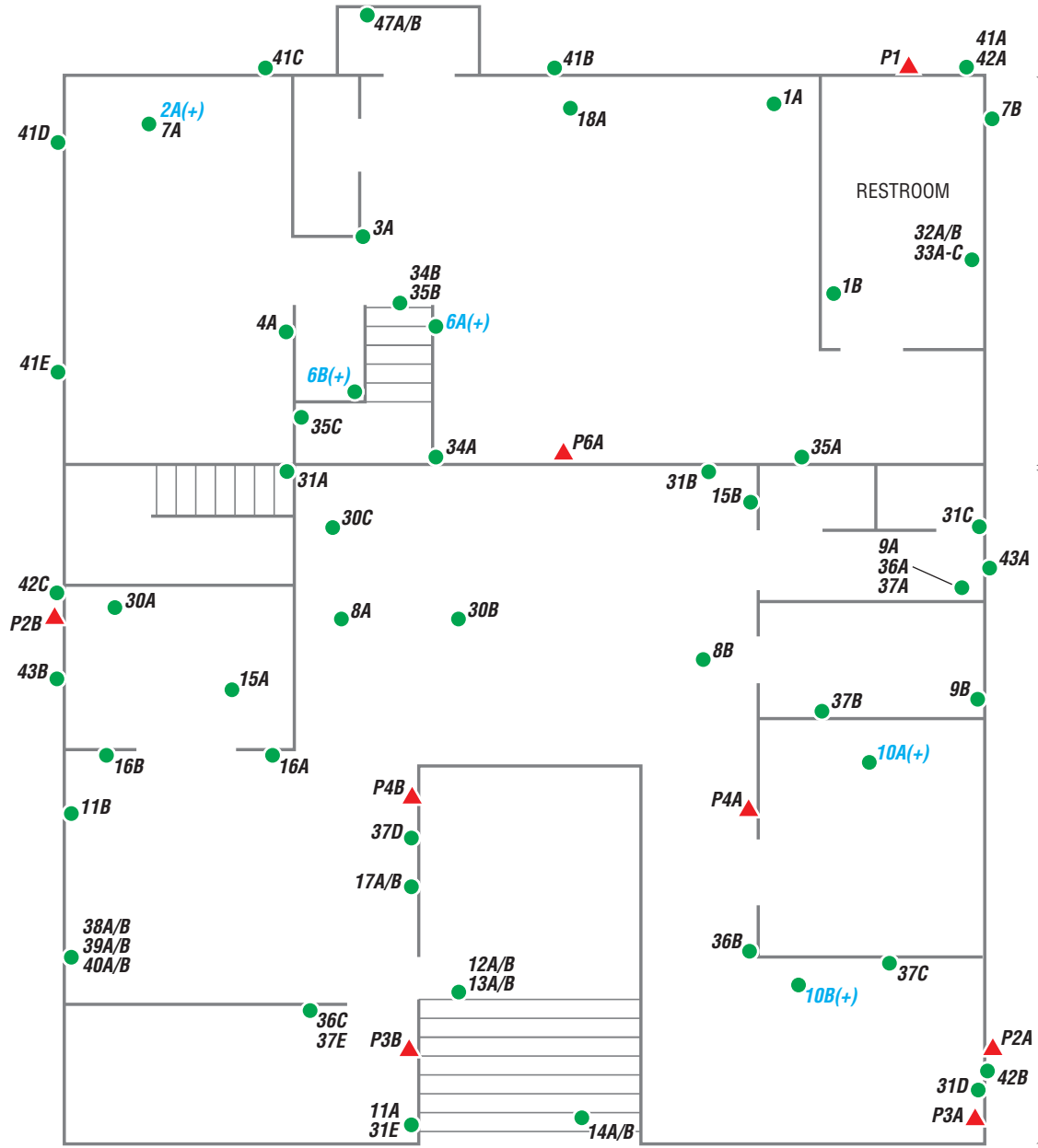
412 West Miner Street  
Yreka, Siskiyou County, California

**SITE LOCATION MAP**

S1894-07-05A

June 2022

Figure 1



**1ST FLOOR**

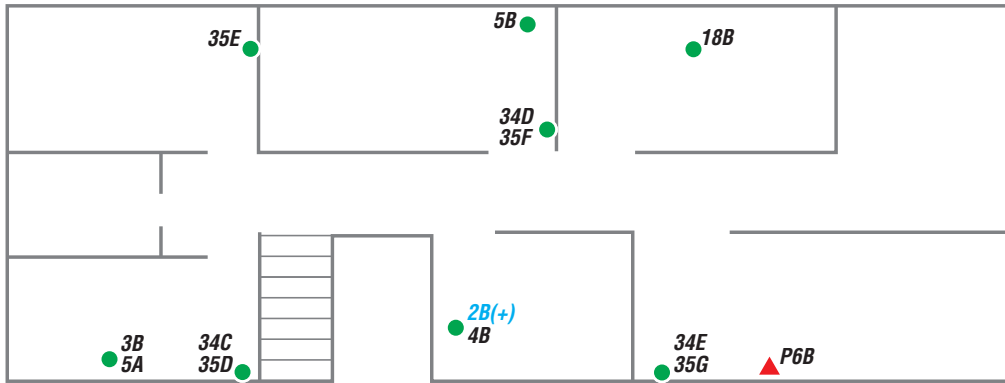
WEST MINER STREET

**LEGEND:**

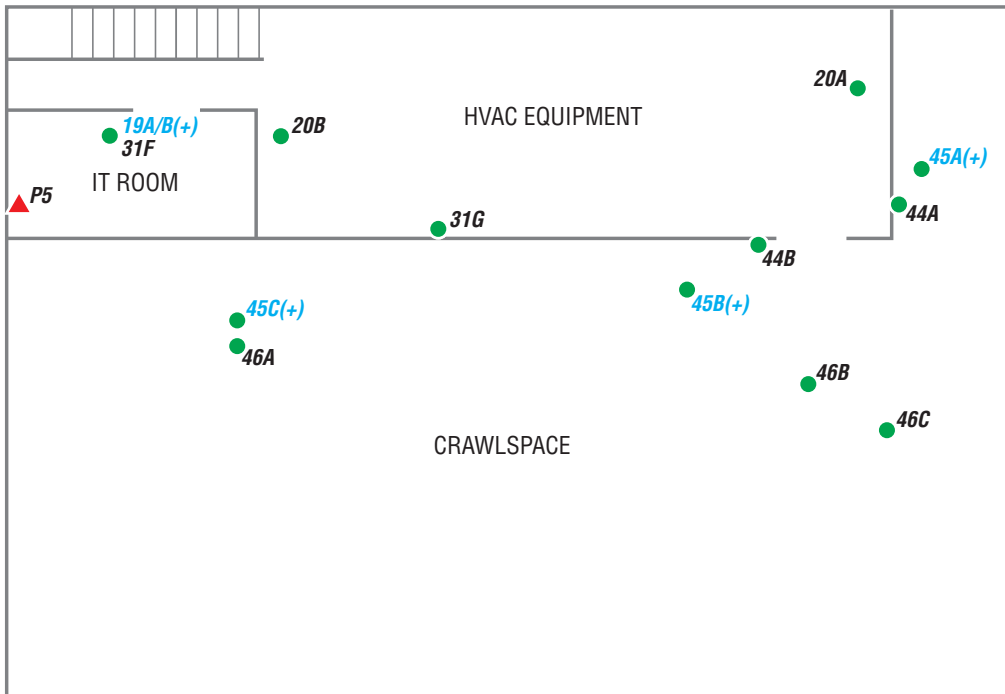
- Approximate Asbestos Sample Location
- (+) Positive Asbestos Analysis Result (> 1%)
- ▲ Approximate Paint Sample Location

Note: Sample prefix "412" applies to sample IDs

 <p><b>GEOCON</b> CONSULTANTS, INC. 3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742 PHONE 916.852.9118 - FAX 916.852.9132</p>		
412 West Miner Street Yreka, Siskiyou County, California		
<b>SITE PLAN</b>		
S1894-07-05A	June 2022	Figure 2



**NORTHERN 2ND FLOOR**



**SOUTHERN BASEMENT**

**LEGEND:**

- Approximate Asbestos Sample Location
  - (+) Positive Asbestos Analysis Result (> 1%)
  - ▲ Approximate Paint Sample Location
- Note: Sample prefix "412" applies to sample IDs



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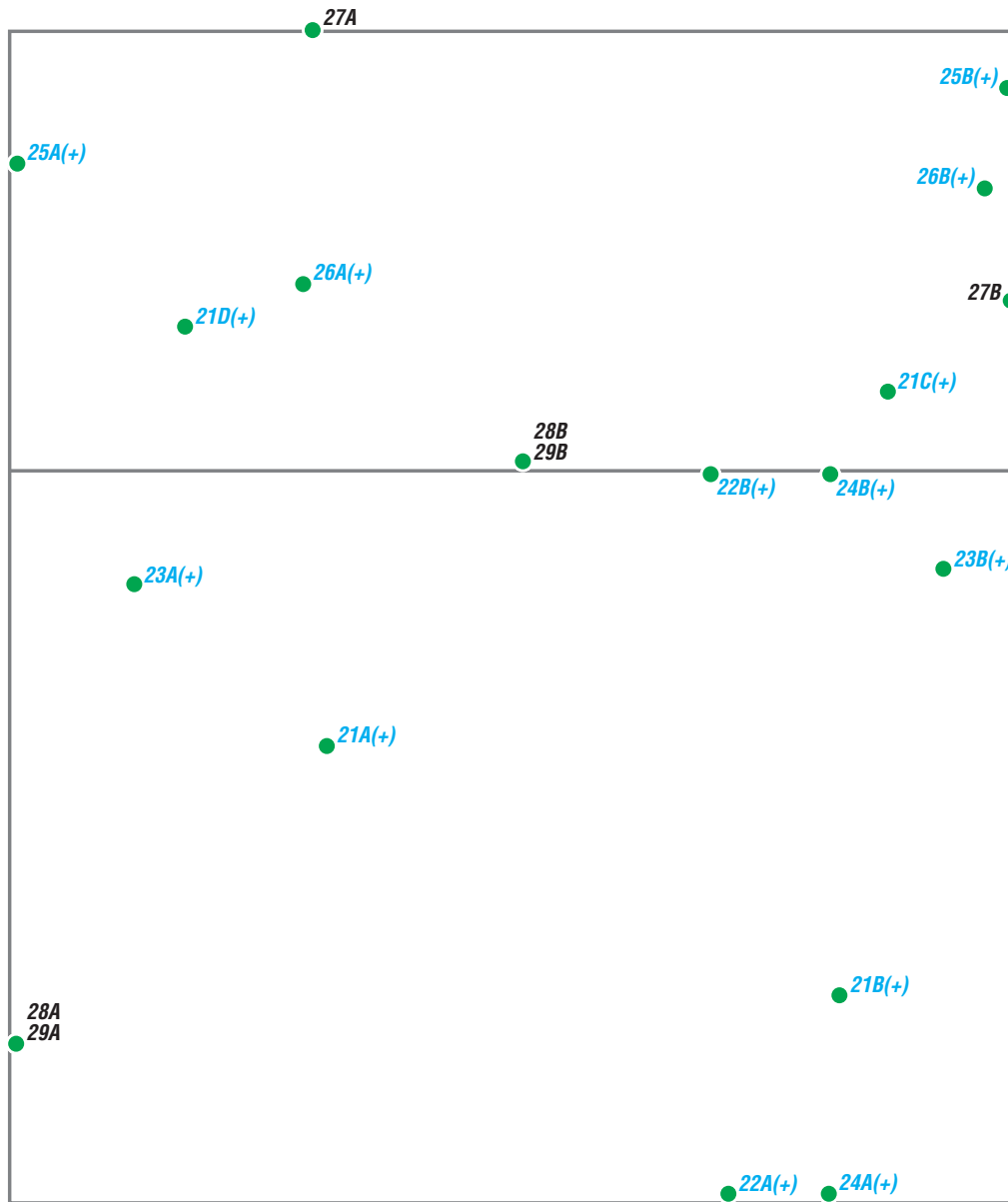
412 West Miner Street  
Yreka, Siskiyou County, California

**SITE PLAN**

S1894-07-05A

June 2022

Figure 3



**ROOF**

**LEGEND:**

- Approximate Asbestos Sample Location
- (+) Positive Asbestos Analysis Result (> 1%)

Note: Sample prefix "412" applies to sample IDs



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**SITE PLAN**

S1894-07-05A

June 2022

Figure 4



**Photo 1 – Yreka Library building (southern exterior), 412 West Miner Street, Yreka, Siskiyou County, California**



**Photo 2 – Eastern exterior of the site building**



**Photo 3 – Western exterior of the site building**



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**PHOTOGRAPHS 1, 2, & 3**

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June 2022





**Photo 4 – Northern exterior of the site building**



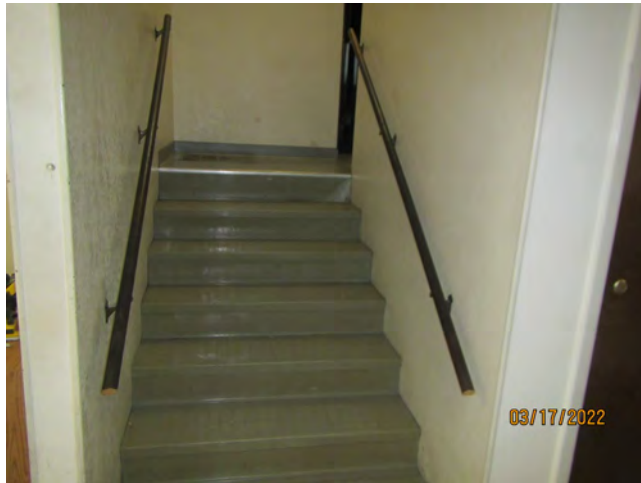
**Photo 5 – Gray 12"x12" resilient floor tile with brown mastic, 1<sup>st</sup> floor, northern offices**



**Photo 6 – Asbestos-containing brown resilient sheet flooring, 1<sup>st</sup> floor, northern offices, northwestern office**



**Photo 7 – Asbestos-containing brown resilient sheet flooring, 2<sup>nd</sup> floor, northern offices**



**Photo 8 – Gray stair tread with asbestos-containing brown mastic, 1<sup>st</sup>-2<sup>nd</sup> floor, northern offices**



**Photo 9 – Tan pebble-pattern resilient sheet flooring (beneath wood floor), 1<sup>st</sup> floor, common area, southern offices**



**Photo 10 – Tan pebble-pattern resilient sheet flooring, 1<sup>st</sup> floor, restrooms, southern offices**



**Photo 11 – Asbestos-containing gray carpet mastic, 1<sup>st</sup> floor, southeastern and southwestern rooms, northern offices**



**Photo 12 – Gray resilient sheet flooring and brown stair tread, 1<sup>st</sup> floor entrance, southern offices**



**Photo 13 – White 12”x12” acoustical wall tiles, 1<sup>st</sup> floor, reading nook, southern offices**



**Photo 14 – Typical 12”x12” acoustical ceiling tiles, 2<sup>nd</sup> floor, northern offices**



**Photo 15 – Asbestos-containing multi-colored 9”x9” resilient floor tiles with black mastic, former IT room, basement, southern offices**



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**PHOTOGRAPHS 13, 14, & 15**

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**Photo 16 – Typical roof main field with underlying asbestos-containing silver paint and roof penetration mastic, southern offices**



**Photo 17 – Roof parapet with asbestos-containing mastic (cap) and underlying silver paint, southern offices**



**Photo 18 – Typical roof main field with underlying asbestos-containing silver paint and roof penetration mastic, northern offices**



**Photo 19 – Gray flock insulation, 1<sup>st</sup> floor ceiling cavity, southern offices**



**Photo 20 – Typical plaster perimeter wall, southern offices**



**Photo 21 – 1<sup>st</sup> floor restroom, northern offices**



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**PHOTOGRAPHS 19, 20, & 21**

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**Photo 22 – Typical asbestos-containing gypsum board wall system, 1st floor, southern offices**



**Photo 23 – Black vapor barrier, concrete foundation walls, crawlspace, southern offices**



**Photo 24 – Asbestos-containing paper duct wrap, crawlspace, southern offices**



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**PHOTOGRAPHS 22, 23, & 24**

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**Photo 25 – Asbestos-containing paper duct wrap, crawlspace, southern offices**



**Photo 26 – Orange mineral wool duct, crawlspace, southern offices**



**Photo 27 – Asphalt built-up roofing, portico roof, northern office entrance**



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**PHOTOGRAPHS 25, 26, & 27**

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June 2022





**Photo 28 – Assumed asbestos-containing fire door, northern entrance, northern offices**



**Photo 29 – Yellow fiberglass flex-duct and pink fiberglass batting insulation, ceiling cavity, northern offices**



**Photo 30 – Typical fluorescent light fixtures**



**Photo 31 – Typical emergency light fixture with rechargeable batteries**



**Photo 32 – Pad-mounted air conditioners, eastern exterior**



**Photo 33 – Pad-mounted air conditioner, western exterior**



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**PHOTOGRAPHS 31, 32, & 33**

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June 2022



**Photo 34 – Wall-mounted air conditioner, southeastern room, southern offices**



**Photo 35 – Wall-mounted air conditioner, former IT room, basement, southern offices**



**Photo 36 – HVAC units, basement, southern offices**



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**PHOTOGRAPHS 34, 35, & 36**

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**Photo 37 – Refrigerator, 1<sup>st</sup> floor, northern offices**



**Photo 38 – Smoke detector, northern offices**



**Photo 39 – Unused kerosene aboveground storage tank, eastern exterior**



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**PHOTOGRAPHS 37, 38, & 39**

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**Photo 40 – Natural gas-powered auxiliary generator, eastern exterior**



**Photo 41 – Miscellaneous paint containers, basement, southern offices**



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**PHOTOGRAPHS 40 & 41**

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S1894-07-05A

June 2022

APPENDIX

A

DEPARTMENT OF INDUSTRIAL RELATIONS  
Division of Occupational Safety and Health  
Asbestos Certification & Training Unit  
1750 Howe Avenue, Suite 460  
Sacramento, CA 95825  
(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> [actu@dir.ca.gov](mailto:actu@dir.ca.gov)



206063163C

239

April 27, 2022

**Chris G Giuntoli**  
**2554 Key West Way**  
**Sacramento CA 95826**

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff Ferrell  
Senior Safety Engineer

Attachment: Certification Card

cc: File





STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH



# LEAD-RELATED CONSTRUCTION CERTIFICATE

**INDIVIDUAL:**



**Chris Giuntoli**

**CERTIFICATE TYPE:**

Lead Inspector/Assessor

Lead Project Monitor

**NUMBER:**

LRC-00000304

LRC-00000303

**EXPIRATION DATE:**

6/14/2023

6/14/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at [www.cdph.ca.gov/programs/clppb](http://www.cdph.ca.gov/programs/clppb) or calling (800) 597-LEAD



APPENDIX



B



# EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / [sanleandrolab@emsl.com](mailto:sanleandrolab@emsl.com)

EMSL Order: 092206378

Customer ID: GEEN80

Customer PO: S1894-03-05

Project ID: SX-\*\*-\*\*

**Attention:** Chris Giuntoli  
Geocon Consultants, Inc.  
3160 Gold Valley Drive  
Suite 800  
Rancho Cordova, CA 95742

**Phone:** (775) 685-6116

**Fax:** (916) 852-9132

**Received Date:** 03/21/2022 9:00 AM

**Analysis Date:** 04/02/2022 - 04/05/2022

**Collected Date:** 03/16/2022 - 03/17/2022

**Project:** YREKA - CARNEGIE / S1894-03-05 (SX-\*\*-\*\*)

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-1A-Floor Tile <i>092206378-0001</i>	GRAY 12 X 12 FLOOR TILE W/ MASTIC	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected
412-1A-Mastic <i>092206378-0001A</i>	GRAY 12 X 12 FLOOR TILE W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-1A-Leveler <i>092206378-0001B</i>	GRAY 12 X 12 FLOOR TILE W/ MASTIC	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 50% Matrix 10% Non-fibrous (Other)	None Detected
412-1B-Floor Tile <i>092206378-0002</i>	GRAY 12 X 12 FLOOR TILE W/ MASTIC	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected
412-1B-Mastic <i>092206378-0002A</i>	GRAY 12 X 12 FLOOR TILE W/ MASTIC	Yellow Non-Fibrous Homogeneous		5% Ca Carbonate 80% Matrix 15% Non-fibrous (Other)	None Detected
412-2A-Sheet Flooring <i>092206378-0003</i> <i>This is a composite result of both vinyl and backing layer</i>	BROWN SHEET FLOORING W/ MASTIC	Brown/Gray Fibrous Homogeneous		20% Ca Carbonate 50% Matrix 5% Non-fibrous (Other)	25% Chrysotile
412-2A-Mastic <i>092206378-0003A</i> <i>Result includes a small amount of inseparable attached material</i>	BROWN SHEET FLOORING W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-2A-Compound <i>092206378-0003B</i>	BROWN SHEET FLOORING W/ MASTIC	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-2B-Sheet Flooring <i>092206378-0004</i>	BROWN SHEET FLOORING W/ MASTIC	Brown/White Fibrous Homogeneous	10% Cellulose	15% Ca Carbonate 40% Matrix 15% Non-fibrous (Other)	20% Chrysotile
412-2B-Mastic <i>092206378-0004A</i>	BROWN SHEET FLOORING W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-2B-Compound <i>092206378-0004B</i>	BROWN SHEET FLOORING W/ MASTIC	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
412-3A-Baseboard <i>092206378-0005</i>	GRAY BASEBOARD W/ MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-3A-Mastic <i>092206378-0005A</i>	GRAY BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-3A-Compound <i>092206378-0005B</i>	GRAY BASEBOARD W/ MASTIC	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
412-3B-Baseboard <i>092206378-0006</i>	GRAY BASEBOARD W/ MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected

Report amended: 06/04/2022 10:00:15 Replaces amended report from: 04/06/2022 11:42:22 Reason Code: Data Entry-Change to Sample ID



# EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / [sanleandrolab@emsl.com](mailto:sanleandrolab@emsl.com)

**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-3B-Mastic <small>092206378-0006A</small>	GRAY BASEBOARD W/ MASTIC	Tan/Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-4A-Baseboard <small>092206378-0007</small>	BROWN BASEBOARD W/ MASTIC	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-4A-Mastic <small>092206378-0007A</small>	BROWN BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-4A-Compound <small>092206378-0007B</small>	BROWN BASEBOARD W/ MASTIC	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
412-4B-Baseboard <small>092206378-0008</small>	BROWN BASEBOARD W/ MASTIC	Brown Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-4B-Mastic <small>092206378-0008A</small>	BROWN BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-4B-Compound <small>092206378-0008B</small>	BROWN BASEBOARD W/ MASTIC	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-5A <small>092206378-0009</small>	BROWN CARPET MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-5B <small>092206378-0010</small>	BROWN CARPET MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-6A-Stair Tread <small>092206378-0011</small>	GRAY STAIR TREAD W/ MASTIC	Gray Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
412-6A-Mastic 1 <small>092206378-0011A</small>	GRAY STAIR TREAD W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-6A-Mastic 2 <small>092206378-0011B</small>	GRAY STAIR TREAD W/ MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-6A-Compound <small>092206378-0011C</small>	GRAY STAIR TREAD W/ MASTIC	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-6B-Stair Tread <small>092206378-0012</small>	GRAY STAIR TREAD W/ MASTIC	Gray Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
412-6B-Mastic 1 <small>092206378-0012A</small>	GRAY STAIR TREAD W/ MASTIC	Yellow/Beige Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-6B-Mastic 2 <small>092206378-0012B</small>	GRAY STAIR TREAD W/ MASTIC	Brown Non-Fibrous Homogeneous		70% Matrix 28% Non-fibrous (Other)	2% Chrysotile
412-6B-Compound <small>092206378-0012C</small>	GRAY STAIR TREAD W/ MASTIC	Beige Non-Fibrous Homogeneous		40% Ca Carbonate 20% Mica 40% Non-fibrous (Other)	None Detected
412-7A <small>092206378-0013</small>	CONCRETE	Gray Non-Fibrous Homogeneous		30% Quartz 45% Ca Carbonate 25% Non-fibrous (Other)	None Detected
412-7B <small>092206378-0014</small>	CONCRETE	Gray Non-Fibrous Homogeneous		40% Quartz 50% Ca Carbonate 10% Non-fibrous (Other)	None Detected

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EMSL Order: 092206378

Customer ID: GECN80

Customer PO: S1894-03-05

Project ID: SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-8A-Sheet Flooring <small>092206378-0015</small> <i>This is a composite result of both vinyl and backing layer</i>	BROWN SHEET FLOORING W/ MASTIC	Brown Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 50% Matrix 15% Non-fibrous (Other)	None Detected
412-8A-Mastic <small>092206378-0015A</small>	BROWN SHEET FLOORING W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-8B-Glue <small>092206378-0016</small> <i>Glue on top of sheet flooring.</i>	BROWN SHEET FLOORING W/ MASTIC	Yellow Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-8B-Sheet Flooring <small>092206378-0016A</small> <i>This is a composite result of both vinyl and backing layer</i>	BROWN SHEET FLOORING W/ MASTIC	Brown/Gray Fibrous Homogeneous	20% Cellulose 10% Synthetic	12% Ca Carbonate 40% Matrix 18% Non-fibrous (Other)	None Detected
412-8B-Mastic <small>092206378-0016B</small>	BROWN SHEET FLOORING W/ MASTIC	Beige Non-Fibrous Homogeneous	3% Cellulose	80% Matrix 17% Non-fibrous (Other)	None Detected
412-9A-Sheet Flooring <small>092206378-0017</small>	TAN SHEET FLOORING W/ MASTIC	Gray/Tan Fibrous Homogeneous	15% Cellulose	20% Ca Carbonate 50% Matrix 15% Non-fibrous (Other)	None Detected
412-9A-Mastic <small>092206378-0017A</small>	TAN SHEET FLOORING W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-9B-Sheet Flooring <small>092206378-0018</small> <i>This is a composite result of both vinyl and backing layer</i>	TAN SHEET FLOORING W/ MASTIC	Brown/Gray Fibrous Homogeneous	30% Cellulose 10% Synthetic	10% Ca Carbonate 40% Matrix 10% Non-fibrous (Other)	None Detected
412-9B-Mastic <small>092206378-0018A</small>	TAN SHEET FLOORING W/ MASTIC	Beige Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-10A-Mastic 1 <small>092206378-0019</small>	DARK BROWN CARPET MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile
412-10A-Mastic 2 <small>092206378-0019A</small>	DARK BROWN CARPET MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-10B <small>092206378-0020</small>	DARK BROWN CARPET MASTIC	Brown/Yellow Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile
412-11A-Baseboard <small>092206378-0021</small>	GRAY BASEBOARD W/ MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-11A-Mastic 1 <small>092206378-0021A</small>	GRAY BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-11A-Mastic 2 <small>092206378-0021B</small>	GRAY BASEBOARD W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-11B-Baseboard <small>092206378-0022</small>	GRAY BASEBOARD W/ MASTIC	Gray Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-11B-Mastic <small>092206378-0022A</small>	GRAY BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-12A-Sheet Flooring <small>092206378-0023</small>	GRAY SHEET FLOORING W/ MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-12A-Mastic <small>092206378-0023A</small>	GRAY SHEET FLOORING W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-12A-Leveler <small>092206378-0023B</small>	GRAY SHEET FLOORING W/ MASTIC	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected
412-12A-Fiberboard <small>092206378-0023C</small>	GRAY SHEET FLOORING W/ MASTIC	Tan Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-12B-Sheet Flooring <small>092206378-0024</small>	GRAY SHEET FLOORING W/ MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-12B-Mastic <small>092206378-0024A</small>	GRAY SHEET FLOORING W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-12B-Leveler <small>092206378-0024B</small>	GRAY SHEET FLOORING W/ MASTIC	Gray Non-Fibrous Homogeneous		5% Quartz 65% Ca Carbonate 30% Non-fibrous (Other)	None Detected
412-13A-Baseboard <small>092206378-0025</small>	BLACK BASEBOARD W/ MASTIC	Black Non-Fibrous Homogeneous		15% Ca Carbonate 60% Matrix 25% Non-fibrous (Other)	None Detected
412-13A-Mastic 1 <small>092206378-0025A</small>	BLACK BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-13A-Mastic 2 <small>092206378-0025B</small>	BLACK BASEBOARD W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-13B-Baseboard <small>092206378-0026</small>	BLACK BASEBOARD W/ MASTIC	Black Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-13B-Mastic 1 <small>092206378-0026A</small>	BLACK BASEBOARD W/ MASTIC	Beige Non-Fibrous Homogeneous		25% Ca Carbonate 65% Matrix 10% Non-fibrous (Other)	None Detected
412-13B-Mastic 2 <small>092206378-0026B</small>	BLACK BASEBOARD W/ MASTIC	Yellow Non-Fibrous Homogeneous		20% Ca Carbonate 70% Matrix 10% Non-fibrous (Other)	None Detected
412-14A-Stair Tread <small>092206378-0027</small>	BLACK STAIR TREAD W/ MASTIC	Black Non-Fibrous Homogeneous		20% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-14A-Mastic <small>092206378-0027A</small>	BLACK STAIR TREAD W/ MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-14A-Fiberboard <small>092206378-0027B</small>	BLACK STAIR TREAD W/ MASTIC	Tan Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-14B-Stair Tread <small>092206378-0028</small>	BLACK STAIR TREAD W/ MASTIC	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-14B-Mastic <small>092206378-0028A</small>	BLACK STAIR TREAD W/ MASTIC	Tan Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-14B-Fiberboard <small>092206378-0028B</small>	BLACK STAIR TREAD W/ MASTIC	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-15A <small>092206378-0029</small>	BROWN CARPET MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-15B <small>092206378-0030</small>	BROWN CARPET MASTIC	Brown Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-16A-Acoustical Wall Tile <small>092206378-0031</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BROWN MASTIC	Gray/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-16A-Mastic <small>092206378-0031A</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-16B-Acoustical Wall Tile <small>092206378-0032</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BROWN MASTIC	Gray/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-16B-Mastic <small>092206378-0032A</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-16B-Compound <small>092206378-0032B</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BROWN MASTIC	Beige Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-17A-Acoustical Wall Tile <small>092206378-0033</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BLACK MASTIC	Gray/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-17A-Mastic <small>092206378-0033A</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BLACK MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-17B-Acoustical Wall Tile <small>092206378-0034</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BLACK MASTIC	Gray/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-17B-Mastic <small>092206378-0034A</small>	WHITE 12 X 12 ACOUSTICAL WALL TILE W/ BLACK MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-18A-Acoustical Ceiling Tile <small>092206378-0035</small>	WHITE 12 X 12 ACOUSTICAL CEILING TILE W/ BROWN MASTIC	Gray/White Fibrous Homogeneous	30% Cellulose 35% Min. Wool	35% Non-fibrous (Other)	None Detected
412-18A-Mastic <small>092206378-0035A</small>	WHITE 12 X 12 ACOUSTICAL CEILING TILE W/ BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-18B-Acoustical Ceiling Tile <small>092206378-0036</small>	WHITE 12 X 12 ACOUSTICAL CEILING TILE W/ BROWN MASTIC	Gray/White Fibrous Homogeneous	30% Cellulose 35% Min. Wool	35% Non-fibrous (Other)	None Detected
412-18B-Mastic <small>092206378-0036A</small>	WHITE 12 X 12 ACOUSTICAL CEILING TILE W/ BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-19A-Floor Tile <small>092206378-0037</small>	GRAY 9 X 9 FLOOR TILE W/ BLACK MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 50% Matrix 27% Non-fibrous (Other)	3% Chrysotile
412-19A-Mastic <small>092206378-0037A</small>	GRAY 9 X 9 FLOOR TILE W/ BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 16% Non-fibrous (Other)	4% Chrysotile
412-19B-Floor Tile <small>092206378-0038</small>	GRAY 9 X 9 FLOOR TILE W/ BLACK MASTIC	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 50% Matrix 27% Non-fibrous (Other)	3% Chrysotile
412-19B-Mastic <small>092206378-0038A</small>	GRAY 9 X 9 FLOOR TILE W/ BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 16% Non-fibrous (Other)	4% Chrysotile
412-20A <small>092206378-0039</small>	CONCRETE	Gray Non-Fibrous Homogeneous		20% Quartz 50% Ca Carbonate 30% Non-fibrous (Other)	None Detected
412-20B <small>092206378-0040</small>	CONCRETE	Gray Non-Fibrous Homogeneous		20% Quartz 40% Ca Carbonate 40% Non-fibrous (Other)	None Detected
412-21A-Membrane <small>092206378-0041</small>	ASPHALT SHEET ROOF CORE	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-21A-Tar Felt 1 <small>092206378-0041A</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	80% Matrix 10% Non-fibrous (Other)	None Detected
412-21A-Tar Felt 2 <small>092206378-0041B</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	20% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected
412-21A-Tar Felt 3 <small>092206378-0041C</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
412-21A-Silver Paint <small>092206378-0041D</small>	ASPHALT SHEET ROOF CORE	Silver Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
412-21B-Membrane <small>092206378-0042</small>	ASPHALT SHEET ROOF CORE	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-21B-Tar Felt 1 <small>092206378-0042A</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	80% Matrix 10% Non-fibrous (Other)	None Detected
412-21B-Tar Felt 2 <small>092206378-0042B</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	20% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected
412-21B-Tar Felt 3 <small>092206378-0042C</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	80% Matrix 10% Non-fibrous (Other)	None Detected
412-21B-Silver Paint <small>092206378-0042D</small>	ASPHALT SHEET ROOF CORE	Silver Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
412-21C-Membrane <small>092206378-0043</small>	ASPHALT SHEET ROOF CORE	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-21C-Tar Felt 1 <small>092206378-0043A</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	10% Ca Carbonate 50% Matrix 30% Non-fibrous (Other)	None Detected
412-21C-Tar Felt 2 <small>092206378-0043B</small>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	20% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected

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EMSL Order: 092206378

Customer ID: GECN80

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Project ID: SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-21C-Tar Felt 3 <i>092206378-0043C</i>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	10% Ca Carbonate 70% Matrix 10% Non-fibrous (Other)	None Detected
412-21C-Silver Paint <i>092206378-0043D</i>	ASPHALT SHEET ROOF CORE	Silver Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
412-21D-Membrane <i>092206378-0044</i>	ASPHALT SHEET ROOF CORE	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-21D-Tar Felt 1 <i>092206378-0044A</i>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	80% Matrix 10% Non-fibrous (Other)	None Detected
412-21D-Tar Felt 2 <i>092206378-0044B</i>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	5% Ca Carbonate 80% Matrix 5% Non-fibrous (Other)	None Detected
412-21D-Tar Felt 3 <i>092206378-0044C</i>	ASPHALT SHEET ROOF CORE	Black Fibrous Homogeneous	10% Glass	80% Matrix 10% Non-fibrous (Other)	None Detected
412-21D-Silver Paint <i>092206378-0044D</i>	ASPHALT SHEET ROOF CORE	Silver Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
412-22A-Silver Paint <i>092206378-0045</i>	ROOF PARAPET	Silver Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
412-22A-Membrane <i>092206378-0045A</i>	ROOF PARAPET	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-22A-Roofing <i>092206378-0045B</i>	ROOF PARAPET	Black Non-Fibrous Homogeneous	5% Glass	80% Matrix 15% Non-fibrous (Other)	None Detected
412-22B-Membrane <i>092206378-0046</i>	ROOF PARAPET	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-22B-Silver Paint <i>092206378-0046A</i>	ROOF PARAPET	Silver Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
412-22B-Roofing <i>092206378-0046B</i>	ROOF PARAPET	Black Non-Fibrous Homogeneous	5% Glass	80% Matrix 15% Non-fibrous (Other)	None Detected
412-22B-Tar Felt <i>092206378-0046C</i>	ROOF PARAPET	Black Fibrous Homogeneous	10% Glass	80% Matrix 10% Non-fibrous (Other)	None Detected
412-23A-Silver Paint <i>092206378-0047</i>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)	Silver Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile
412-23A-Mastic <i>092206378-0047A</i>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)	Black Fibrous Homogeneous	5% Glass	10% Ca Carbonate 70% Matrix 7% Non-fibrous (Other)	8% Chrysotile
412-23B <i>092206378-0048</i>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)				Positive Stop (Not Analyzed)
412-24A-Silver Paint <i>092206378-0049</i>	ROOF PARAPET CAP *(SAMPLE GROUP)	Silver Non-Fibrous Homogeneous	8% Glass	70% Matrix 19% Non-fibrous (Other)	3% Chrysotile

Result includes a small amount of inseparable attached material

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## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-24A-Roofing <small>092206378-0049A</small>	ROOF PARAPET CAP *(SAMPLE GROUP)	Gray/Black Non-Fibrous Homogeneous		12% Ca Carbonate 65% Matrix 15% Non-fibrous (Other)	8% Chrysotile
412-24A-Tar <small>092206378-0049B</small>	ROOF PARAPET CAP *(SAMPLE GROUP)	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-24A-Felt <small>092206378-0049C</small>	ROOF PARAPET CAP *(SAMPLE GROUP)	Black Fibrous Homogeneous	30% Glass	60% Matrix 10% Non-fibrous (Other)	None Detected
412-24B <small>092206378-0050</small>	ROOF PARAPET CAP *(SAMPLE GROUP)				Positive Stop (Not Analyzed)
412-25A-Membrane <small>092206378-0051</small>	ROOF PARAPET	White Non-Fibrous Homogeneous		10% Ca Carbonate 80% Matrix 10% Non-fibrous (Other)	None Detected
412-25A-Silver Paint <small>092206378-0051A</small>	ROOF PARAPET	Silver Non-Fibrous Homogeneous		70% Matrix 28% Non-fibrous (Other)	2% Chrysotile
412-25A-Roofing <small>092206378-0051B</small>	ROOF PARAPET	Black Non-Fibrous Homogeneous	15% Glass	10% Ca Carbonate 65% Matrix 10% Non-fibrous (Other)	None Detected
412-25A-Tar <small>092206378-0051C</small>	ROOF PARAPET	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-25A-Felt <small>092206378-0051D</small>	ROOF PARAPET	Black Non-Fibrous Homogeneous	50% Glass	40% Matrix 10% Non-fibrous (Other)	None Detected
412-25B-Membrane <small>092206378-0052</small>	ROOF PARAPET	White Non-Fibrous Homogeneous		5% Quartz 10% Ca Carbonate 60% Matrix 25% Non-fibrous (Other)	None Detected
412-25B-Silver Paint <small>092206378-0052A</small>	ROOF PARAPET	Silver Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile
412-25B-Roofing <small>092206378-0052B</small>	ROOF PARAPET	Black Fibrous Homogeneous	15% Glass	5% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
412-25B-Tar <small>092206378-0052C</small>	ROOF PARAPET	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-26A-Silver Paint <small>092206378-0053</small>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)	Silver Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile
412-26A-Tar <small>092206378-0053A</small>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-26A-Mastic <small>092206378-0053B</small>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)	Black Non-Fibrous Homogeneous		80% Matrix 14% Non-fibrous (Other)	6% Chrysotile
412-26B <small>092206378-0054</small>	ROOF PENETRATION MASTIC *(SAMPLE GROUP)				Positive Stop (Not Analyzed)

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**EMSL Order:** 092206378  
**Customer ID:** GEEN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-27A-Membrane <small>092206378-0055</small>	GRAY PARAPET CAP SEALANT	White Fibrous Homogeneous	10% Cellulose 10% Synthetic	60% Matrix 20% Non-fibrous (Other)	None Detected
412-27A-Sealant <small>092206378-0055A</small>	GRAY PARAPET CAP SEALANT	Gray Non-Fibrous Homogeneous		15% Ca Carbonate 60% Matrix 25% Non-fibrous (Other)	None Detected
412-27B-Membrane <small>092206378-0056</small>	GRAY PARAPET CAP SEALANT	White Non-Fibrous Homogeneous	15% Cellulose 10% Synthetic	60% Matrix 15% Non-fibrous (Other)	None Detected
412-27B-Sealant <small>092206378-0056A</small>	GRAY PARAPET CAP SEALANT	Gray Non-Fibrous Homogeneous	3% Cellulose	10% Ca Carbonate 70% Matrix 17% Non-fibrous (Other)	None Detected
412-28A <small>092206378-0057</small>	CHIMNEY FLUE PIPE	Peach Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (Other)	None Detected
412-28B <small>092206378-0058</small>	CHIMNEY FLUE PIPE	Peach Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (Other)	None Detected
412-29A <small>092206378-0059</small>	CHIMNEY MORTAR	Gray Non-Fibrous Homogeneous		25% Quartz 30% Ca Carbonate 45% Non-fibrous (Other)	None Detected
412-29B <small>092206378-0060</small>	CHIMNEY MORTAR	Gray Non-Fibrous Homogeneous		25% Quartz 30% Ca Carbonate 45% Non-fibrous (Other)	None Detected
412-30A <small>092206378-0061</small>	GRAY FLOCK INSULATION	Gray Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-30B <small>092206378-0062</small>	GRAY FLOCK INSULATION	Gray Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
412-30C <small>092206378-0063</small>	GRAY FLOCK INSULATION	Gray Fibrous Homogeneous	70% Cellulose 20% Min. Wool	10% Non-fibrous (Other)	None Detected
412-31A-Plaster <small>092206378-0064</small>	PLASTER	Gray Non-Fibrous Homogeneous		20% Quartz 35% Ca Carbonate 45% Non-fibrous (Other)	None Detected
412-31A-Skim Coat <small>092206378-0064A</small>	PLASTER	White Non-Fibrous Homogeneous		30% Quartz 35% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31B <small>092206378-0065</small>	PLASTER	Gray Non-Fibrous Homogeneous		30% Quartz 35% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31C-Plaster <small>092206378-0066</small>	PLASTER	Gray Non-Fibrous Homogeneous		25% Quartz 40% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31C-Skim Coat <small>092206378-0066A</small>	PLASTER	White Non-Fibrous Homogeneous		25% Quartz 35% Ca Carbonate 40% Non-fibrous (Other)	None Detected
412-31D-Plaster <small>092206378-0067</small>	PLASTER	Gray Non-Fibrous Homogeneous		25% Quartz 40% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31D-Skim Coat <small>092206378-0067A</small>	PLASTER	White Non-Fibrous Homogeneous		30% Quartz 35% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31E-Plaster <small>092206378-0068</small>	PLASTER	Gray Non-Fibrous Homogeneous		25% Quartz 40% Ca Carbonate 35% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-31E-Skim Coat <small>092206378-0068A</small>	PLASTER	White Non-Fibrous Homogeneous		30% Quartz 35% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31F <small>092206378-0069</small>	PLASTER	Gray Non-Fibrous Homogeneous		25% Quartz 40% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-31G <small>092206378-0070</small>	PLASTER	Gray Non-Fibrous Homogeneous		25% Quartz 40% Ca Carbonate 35% Non-fibrous (Other)	None Detected
412-32A-Gypsum Board <small>092206378-0071</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
412-32A-Joint Compound 1 <small>092206378-0071A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-32A-Joint Compound 2 <small>092206378-0071B</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-32B-Gypsum Board <small>092206378-0072</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
412-32B-Joint Compound 1 <small>092206378-0072A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-32B-Joint Compound 2 <small>092206378-0072B</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-33A <small>092206378-0073</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
412-33B <small>092206378-0074</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-33C <small>092206378-0075</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34A-Gypsum Board <small>092206378-0076</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
412-34A-Joint Compound 1 <small>092206378-0076A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34A-Joint Compound 2 <small>092206378-0076B</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34B-Gypsum Board <small>092206378-0077</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
412-34B-Joint Compound 1 <small>092206378-0077A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-34B-Joint Compound 2 <small>092206378-0077B</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34C-Gypsum Board <small>092206378-0078</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
412-34C-Joint Compound 1 <small>092206378-0078A</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34C-Joint Compound 2 <small>092206378-0078B</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34D-Gypsum Board <small>092206378-0079</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous	5% Cellulose <1% Glass	80% Gypsum 15% Non-fibrous (Other)	None Detected
412-34D-Joint Compound 1 <small>092206378-0079A</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34D-Joint Compound 2 <small>092206378-0079B</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34E-Gypsum Board <small>092206378-0080</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
412-34E-Joint Compound 1 <small>092206378-0080A</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-34E-Joint Compound 2 <small>092206378-0080B</small>	GYP SUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-35A <small>092206378-0081</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-35B <small>092206378-0082</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-35C <small>092206378-0083</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-35D <small>092206378-0084</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
412-35E <small>092206378-0085</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-35F <small>092206378-0086</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-35G <small>092206378-0087</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
**Customer ID:** GECN80  
**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-36A-Gypsum <small>092206378-0088</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous	2% Cellulose	80% Gypsum 18% Non-fibrous (Other)	None Detected
412-36A-Joint Compound 1 <small>092206378-0088A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous	4% Cellulose	80% Ca Carbonate 14% Non-fibrous (Other)	2% Chrysotile
412-36A-Joint Compound 2 <small>092206378-0088B</small>	GYPSUM BOARD W/ JOINT COMPOUND	Beige Non-Fibrous Homogeneous		70% Ca Carbonate 28% Non-fibrous (Other)	2% Chrysotile
412-36B-Gypsum Board <small>092206378-0089</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous	5% Cellulose	80% Gypsum 15% Non-fibrous (Other)	None Detected
412-36B-Joint Compound 1 <small>092206378-0089A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile
412-36B-Joint Compound 2 <small>092206378-0089B</small>	GYPSUM BOARD W/ JOINT COMPOUND	Beige Non-Fibrous Homogeneous		70% Ca Carbonate 28% Non-fibrous (Other)	2% Chrysotile
412-36C-Gypsum Board <small>092206378-0090</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous	5% Cellulose	80% Gypsum 15% Non-fibrous (Other)	None Detected
412-36C-Joint Compound 1 <small>092206378-0090A</small>	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous	3% Cellulose	80% Ca Carbonate 15% Non-fibrous (Other)	2% Chrysotile
412-36C-Joint Compound 2 <small>092206378-0090B</small>	GYPSUM BOARD W/ JOINT COMPOUND	Beige Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile
412-37A <small>092206378-0091</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		5% Quartz 70% Ca Carbonate 23% Non-fibrous (Other)	2% Chrysotile
412-37B <small>092206378-0092</small>	WALL TEXTURE	Beige Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile
412-37C <small>092206378-0093</small>	WALL TEXTURE	Beige Non-Fibrous Homogeneous	5% Cellulose	70% Ca Carbonate 23% Non-fibrous (Other)	2% Chrysotile
412-37D <small>092206378-0094</small>	WALL TEXTURE	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-37E <small>092206378-0095</small>	WALL TEXTURE	Beige Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	<1% Chrysotile
412-38A <small>092206378-0096</small>	FIRE BRICK * (SAMPLE GROUP)	Tan/White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
412-38B <small>092206378-0097</small>	FIRE BRICK * (SAMPLE GROUP)	Tan/White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
412-39A-Brick <small>092206378-0098</small>	FIRE BRICK MORTAR	Tan Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected

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**EMSL Order:** 092206378  
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**Customer PO:** S1894-03-05  
**Project ID:** SX-\*\*-\*\*

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-39A-Mortar <small>092206378-0098A</small>	FIRE BRICK MORTAR	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-39B-Brick <small>092206378-0099</small>	FIRE BRICK MORTAR	Tan Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
412-39B-Mortar 1 <small>092206378-0099A</small>	FIRE BRICK MORTAR	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-39B-Mortar 2 <small>092206378-0099B</small>	FIRE BRICK MORTAR	Brown Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-40A <small>092206378-0100</small>	CERAMIC TILE MORTAR	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-40B <small>092206378-0101</small>	CERAMIC TILE MORTAR	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-41A <small>092206378-0102</small>	STUCCO	Gray Non-Fibrous Homogeneous		30% Quartz 45% Ca Carbonate 25% Non-fibrous (Other)	None Detected
412-41B <small>092206378-0103</small>	STUCCO	Gray Non-Fibrous Homogeneous		25% Quartz 35% Ca Carbonate 40% Non-fibrous (Other)	None Detected
412-41C <small>092206378-0104</small>	STUCCO	Gray Non-Fibrous Homogeneous		30% Quartz 45% Ca Carbonate 25% Non-fibrous (Other)	None Detected
412-41D <small>092206378-0105</small>	STUCCO	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-41E <small>092206378-0106</small>	STUCCO	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-42A <small>092206378-0107</small>	EXTERIOR PAINT	White Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-42B <small>092206378-0108</small>	EXTERIOR PAINT	White Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-42C <small>092206378-0109</small>	EXTERIOR PAINT	White Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
412-43A <small>092206378-0110</small>	CONCRETE	Tan Non-Fibrous Homogeneous		50% Quartz 30% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-43B <small>092206378-0111</small>	CONCRETE	Tan Non-Fibrous Homogeneous		50% Quartz 30% Ca Carbonate 20% Non-fibrous (Other)	None Detected
412-44A-Vapor Barrier <small>092206378-0112</small>	BLACK ASPHALT VAPOR BARRIER	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
412-44A-Tar <small>092206378-0112A</small>	BLACK ASPHALT VAPOR BARRIER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-44B-Vapor Barrier <small>092206378-0113</small>	BLACK ASPHALT VAPOR BARRIER	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-44B-Tar <small>092206378-0113A</small>	BLACK ASPHALT VAPOR BARRIER	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
412-45A <small>092206378-0114</small>	GRAY HVAC DUCT PAPER *(SAMPLE GROUP)	Gray Fibrous Homogeneous	5% Cellulose	35% Non-fibrous (Other)	60% Chrysotile
412-45B <small>092206378-0115</small>	GRAY HVAC DUCT PAPER *(SAMPLE GROUP)				Positive Stop (Not Analyzed)
412-45C <small>092206378-0116</small>	GRAY HVAC DUCT PAPER *(SAMPLE GROUP)				Positive Stop (Not Analyzed)
412-46A <small>092206378-0117</small>	ORANGE FIBER DUCT	Orange Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
412-46B <small>092206378-0118</small>	ORANGE FIBER DUCT	Orange Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
412-46C <small>092206378-0119</small>	ORANGE FIBER DUCT	Orange Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
412-47A-Roofing <small>092206378-0120</small>	ROLLED ASPHALT SHEET ROOFING * (SAMPLE GROUP)	Black Fibrous Homogeneous	35% Cellulose	50% Matrix 15% Non-fibrous (Other)	None Detected
412-47A-Felt <small>092206378-0120A</small>	ROLLED ASPHALT SHEET ROOFING * (SAMPLE GROUP)	Black Fibrous Homogeneous	35% Cellulose	50% Matrix 15% Non-fibrous (Other)	None Detected
412-47B-Roofing <small>092206378-0121</small>	ROLLED ASPHALT SHEET ROOFING * (SAMPLE GROUP)	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
412-47B-Felt <small>092206378-0121A</small>	ROLLED ASPHALT SHEET ROOFING * (SAMPLE GROUP)	Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected

Analyst(s)

- Brianne Franquelin (9)
- Cecilia Yu (36)
- David Nguyen (60)
- Karina Martinez (33)
- Stacy Trinh Le (85)
- Xeena Paul (11)

Cecilia Yu, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Report amended: 06/04/2022 10:00:15 Replaces amended report from: 04/06/2022 11:42:22 Reason Code: Data Entry-Change to Sample ID



# EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / [sanleandrolab@emsl.com](mailto:sanleandrolab@emsl.com)

EMSL Order: 092206378

Customer ID: GECN80

Customer PO: S1894-03-05

Project ID: SX-\*\*-\*\*

**Attention:** Chris Giuntoli  
Geocon Consultants, Inc.  
3160 Gold Valley Drive  
Suite 800  
Rancho Cordova, CA 95742

**Phone:** (775) 685-6116  
**Fax:** (916) 852-9132  
**Received:** 03/21/2022 9:00 AM  
**Analysis Date:** 04/12/2022  
**Collected:** 03/16/2022 - 03/17/2022

**Project:** YREKA - CARNEGIE / S1894-03-05 (SX-\*\*-\*\*)

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
412-36A-Joint Compound 1 092206378-0088A	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
412-36A-Joint Compound 2 092206378-0088B	GYPSUM BOARD W/ JOINT COMPOUND	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
412-36B-Joint Compound 1 092206378-0089A	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		99.50% Non-fibrous (Other)	0.50% Chrysotile
412-36B-Joint Compound 2 092206378-0089B	GYPSUM BOARD W/ JOINT COMPOUND	Beige Non-Fibrous Homogeneous		99.50% Non-fibrous (Other)	0.50% Chrysotile
412-36C-Joint Compound 1 092206378-0090A	GYPSUM BOARD W/ JOINT COMPOUND	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
412-36C-Joint Compound 2 092206378-0090B	GYPSUM BOARD W/ JOINT COMPOUND	White/Beige Non-Fibrous Homogeneous		99.75% Non-fibrous (Other)	0.25% Chrysotile
412-37A 092206378-0091	WALL TEXTURE	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
412-37B 092206378-0092	WALL TEXTURE	Beige Non-Fibrous Homogeneous		99.50% Non-fibrous (Other)	0.50% Chrysotile
412-37C 092206378-0093	WALL TEXTURE	Beige Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.25% Chrysotile
412-37E 092206378-0095	WALL TEXTURE	Beige Non-Fibrous Homogeneous		99.50% Non-fibrous (Other)	0.50% Chrysotile

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 04/12/2022 15:20:11





# EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / [sanleandrolab@emsl.com](mailto:sanleandrolab@emsl.com)

EMSL Order: 092206378

Customer ID: GECN80

Customer PO: S1894-03-05

Project ID: SX-\*\*-\*\*

**Attention:** Chris Giuntoli  
Geocon Consultants, Inc.  
3160 Gold Valley Drive  
Suite 800  
Rancho Cordova, CA 95742

**Phone:** (775) 685-6116

**Fax:** (916) 852-9132

**Received:** 03/21/2022 9:00 AM

**Analysis Date:** 04/12/2022

**Collected:** 03/16/2022 - 03/17/2022

**Project:** YREKA - CARNEGIE / S1894-03-05 (SX-\*\*-\*\*)

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type

Analyst(s)

Jose Madrid (10)

Cecilia Yu, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 04/12/2022 15:20:11



**EMSL ANALYTICAL, INC.**  
TESTING LABS • PRODUCTS • TRAINING

**Asbestos Chain of Custody (Air, Bulk, Soil)**

EMSL Order Number / Lab Use Only

# 092206378

EMSL Analytical, Inc.  
464 McCormick Street  
San Leandro CA 94577

PHONE: (510) 895-3675  
EMAIL: sanleandrolab@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information	Customer ID:	Billing ID:
	Company Name: Geocon Consultants, Inc.	Company Name: Same as Customer
	Contact Name: Chris Giuntoli	Billing Contact:
	Street Address: 3160 Gold Valley Drive, Suite 800	Street Address:
	City, State, Zip: Rancho Cordova, CA 95742 Country: US	City, State, Zip: Country:
	Phone: 775-685-6116	Phone:
Email(s) for Report: giuntoli@geoconinc.com	Email(s) for Invoice: giuntoli@geoconinc.com	

**Project Information**

Project Name/No: **YREKA-CARNEGIE 51894-03-05** Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide) US State where samples collected: **CA** State of Connecticut (CT) must select project location:  Commercial (Taxable)  Residential (Non-Taxable)

Sampled By Name: **Chris Giuntoli** Sampled By Signature: *Chris Giuntoli* No. of Samples in Shipment: **121**

**Turn-Around-Time (TAT)**

3 Hour  6 Hour  24 Hour  32 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

**Test Selection**

**PCM Air**

NIOSH 7400  
 NIOSH 7400 w/ 8hr. TWA

**PLM - Bulk (reporting limit)**

PLM EPA 600/R-93/116 (<1%)  
 PLM EPA NOB (<1%)  
 POINT COUNT  
 400 (<0.25%)  1,000 (<0.1%)  
POINT COUNT w/ GRAVIMETRIC  
 400 (<0.25%)  1,000 (<0.1%)  
 NIOSH 9002 (<1%)  
 NYS 198.1 (Friable - NY)  
 NYS 198.6 NOB (Non-Friable - NY)  
 NYS 198.8 (Vermiculite SM-V)

**TEM - Air**

AHERA 40 CFR, Part 763  
 NIOSH 7402  
 EPA Level II  
 ISO 10312\*

**TEM - Bulk**

TEM EPA NOB  
 NYS NOB 198.4 (Non-Friable-NY)  
 TEM EPA 600/R-93/116 w Milling Prep (0.1%)

**TEM - Settled Dust**

Microvac - ASTM D5755  
 Wipe - ASTM D6480  
 Qualitative via Filtration Prep  
 Qualitative via Drop Mount Prep

**Soil - Rock - Vermiculite (reporting limit)\* PLM**

EPA 600/R-93/116 with milling prep (<0.25%) PLM  
 EPA 600/R-93/116 with milling prep (<0.1%) TEM  
 EPA 600/R-93/116 with milling prep (<0.1%) TEM  
 Qualitative via Filtration Prep  
 TEM Qualitative via Drop Mount Prep

\*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples)  0.8um  0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
412-1A/1B	GRAY 12 X 12 FLOOR TILE w/ MASTIC		3/16/22
412-2A/2B	BROWN SHEET FLOORING w/ MASTIC		↓
412-3A/3B	GRAY BASEBOARD w/ MASTIC		
412-4A/4B	BROWN BASEBOARD w/ MASTIC		
412-5A/5B	BROWN CARPET MASTIC		
412-6A/6B	GRAY STAIR TREAD w/ MASTIC		
412-7A/7B	CONCRETE		
412-8A/8B	BROWN SHEET FLOORING w/ MASTIC		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

**\* SAMPLE GROUP - 1ST POSITIVE STOP**

Method of Shipment: <b>Fed-Ex</b>	Sample Condition Upon Receipt:
Relinquished by: <i>Chris Giuntoli</i> Date/Time: <b>3/18/22 1600</b>	Received by: <b>FA</b> Date/Time: <b>3/21/22 9am</b>
Relinquished by:	Received by:

Controlled Document - COC-05 Asbestos R13 2/28/2021  AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



**Asbestos Chain of Custody (Air, Bulk, Soil)**

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.  
464 McCormick Street  
San Leandro CA 94577

#092206378

PHONE: (510) 895-3675

EMAIL: sanleandrolab@emsl.com

**EMSL ANALYTICAL, INC.**  
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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
412-9A/9B	TAN SHEET FLOORING w/ MASTIC		3/16/22
412-10A/10B	DARK BROWN CARPET MASTIC		
412-11A/11B	GRAY BASEBOARD w/ MASTIC		
412-12A/12B	GRAY SHEET FLOORING w/ MASTIC		
412-13A/13B	BLACK BASEBOARD w/ MASTIC		
412-14A/14B	BLACK STAIR TREAD w/ MASTIC		
412-15A/15B	BROWN CARPET MASTIC		
412-16A/16B	WHITE 12x12 ACOUSTICAL WALL TILE w/ BROWN MASTIC		
412-17A/17B	WHITE 12x12 ACOUSTICAL WALL TILE w/ BLACK MASTIC		
412-18A/18B	WHITE 12x12 ACOUSTICAL CEILING TILE w/ BROWN MASTIC		
412-19A/19B	GRAY 9x9 FLOOR TILE w/ BLACK MASTIC		
412-20A/20B	CONCRETE		
412-21A-21D	ASPHALT SHEET ROOF CORE		
412-22A/22B	ROOF PARAPET		
412-23A/23B	ROOF PENETRATION MASTIC *(SAMPLE GROUP)		
412-24A/24B	ROOF PARAPET CAP *(SAMPLE GROUP)		
412-25A/25B	ROOF PARAPET		
412-26A/26B	ROOF PENETRATION MASTIC *(SAMPLE GROUP)		
412-27A/27B	GRAY PARAPET CAP SEALANT		
412-28A/28B	CHIMNEY FLOW PIPE		
412-29A/29B	CHIMNEY MORTAR		
412-30A-30C	GRAY FLOCK INSULATION		

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by: FA	Date/Time: 3/21/22
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-05 Asbestos R13 2/26/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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### Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.  
464 McCormick Street  
San Leandro CA 94577

#092206378

PHONE: (510) 895-3675  
EMAIL: sanleandrolab@emsl.com

EMSL ANALYTICAL, INC.  
TESTING LABS • PRODUCTS • TRAINING

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information	Customer ID:	Billing ID:
	Company Name: Geocon Consultants, Inc.	Company Name: Same as Customer
	Contact Name: Chris Giuntoli	Billing Contact:
	Street Address: 3160 Gold Valley Drive, Suite 800	Street Address:
	City, State, Zip: Rancho Cordova, CA 95742 Country: US	City, State, Zip: Country:
	Phone: 775-685-6116	Phone:
Email(s) for Report: giuntoli@geoconinc.com	Email(s) for Invoice: giuntoli@geoconinc.com	

Project Information		
Project Name/No: YREKA-CARNEGIE 51894-03-05	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected: CA	State of Connecticut (CT) must select project location: <input checked="" type="checkbox"/> Commercial (Taxable) <input type="checkbox"/> Residential (Non-Taxable)
Sampled By Name: Chris Giuntoli	Sampled By Signature: <i>Chris Giuntoli</i>	No. of Samples in Shipment

Turn-Around-Time (TAT)

3 Hour  
  6 Hour  
  24 Hour  
  32 Hour  
  48 Hour  
  72 Hour  
  96 Hour  
  1 Week  
  2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

<p><b>PCM Air</b></p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA</p> <p><b>PLM - Bulk (reporting limit)</b></p> <p><input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p><input type="checkbox"/> POINT COUNT</p> <p><input type="checkbox"/> 400 (&lt;0.25%)   <input type="checkbox"/> 1,000 (&lt;0.1%)</p> <p>POINT COUNT w/ GRAVIMETRIC</p> <p><input type="checkbox"/> 400 (&lt;0.25%)   <input type="checkbox"/> 1,000 (&lt;0.1%)</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p> <p><input type="checkbox"/> NYS 198.1 (Friable - NY)</p> <p><input type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY)</p> <p><input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)</p>	<p><b>TEM - Air</b></p> <p><input type="checkbox"/> AHERA 40 CFR, Part 763</p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312*</p> <p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)</p>	<p><b>TEM - Settled Dust</b></p> <p><input type="checkbox"/> Microvac - ASTM D5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Qualitative via Filtration Prep</p> <p><input type="checkbox"/> Qualitative via Drop Mount Prep</p> <p><b>Soil - Rock - Vermiculite (reporting limit)* PLM</b></p> <p><input type="checkbox"/> EPA 600/R-93/116 with milling prep (&lt;0.25%) PLM</p> <p><input type="checkbox"/> EPA 600/R-93/116 with milling prep (&lt;0.1%) TEM</p> <p><input type="checkbox"/> EPA 600/R-93/116 with milling prep (&lt;0.1%) TEM</p> <p><input type="checkbox"/> Qualitative via Filtration Prep</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep</p>
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\*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA)      Filter Pore Size (Air Samples)    0.8um    0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
412-31A-31G	PLASTER		3/17/22
412-32A/32B	GYP SUM BOARD w/ JOINT COMPOUND		↓
412-33A-33C	WALL TEXTURE		
412-34A-34E	GYP SUM BOARD w/ JOINT COMPOUND		
412-35A-35G	WALL TEXTURE		
412-36A-36C	GYP SUM BOARD w/ JOINT COMPOUND		
412-37A-37E	WALL TEXTURE		
412-38A/38B	FIRE BRICK	*(SAMPLE GROUP)	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

\* SAMPLE GROUP - 1<sup>ST</sup> POSITIVE STOP

Method of Shipment: FED-EX	Sample Condition Upon Receipt:
Relinquished by: <i>Chris Giuntoli</i>	Date/Time: 3/18/22 1600
Received by: FA	Date/Time: 3/21/22 9am
Relinquished by:	Date/Time:
Received by:	Date/Time:

Controlled Document - COC-05 Asbestos R13 2/28/2021

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



April 01, 2022

Chris Giuntoli  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

TEL: (925) 371-5900

FAX: (925) 371-5915

Workorder No.: N049991

RE: YREKA-CARNEGIE, 51894-03-05

Attention: Chris Giuntoli

Enclosed are the results for sample(s) received on March 25, 2022 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Nancy Sibucan  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - Las Vegas.



*"Serving Clients with Passion and Professionalism"*

CALIFORNIA | P: 562.219.7435 F: 562.219.7436  
11110 Artesia Blvd., Ste B, Cerritos, CA 90703  
ELAP Cert 2921  
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691  
3151 W. Post Rd., Las Vegas, NV 89118  
ELAP Cert 2676 | NV Cert NV00922  
ORELAP/NELAP Cert 4046

---

**CLIENT:** Geocon Consultants, Inc.  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab Order:** N049991

---

**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.



**CLIENT:** Geocon Consultants, Inc.  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab Order:** N049991  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N049991-001A	412-P1	Paint Chip	3/16/2022 8:00:00 AM	3/25/2022	4/1/2022
N049991-002A	412-P2	Paint Chip	3/17/2022 1:00:00 PM	3/25/2022	4/1/2022
N049991-003A	412-P3	Paint Chip	3/16/2022 3:00:00 PM	3/25/2022	4/1/2022
N049991-004A	412-P4	Paint Chip	3/16/2022 2:30:00 PM	3/25/2022	4/1/2022
N049991-005A	412-P5	Paint Chip	3/16/2022 4:00:00 PM	3/25/2022	4/1/2022
N049991-006A	412-P6	Paint Chip	3/16/2022 3:30:00 PM	3/25/2022	4/1/2022





**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 01-Apr-22

---

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	412-P1
<b>Lab Order:</b>	N049991	<b>Collection Date:</b>	3/16/2022 8:00:00 AM
<b>Project:</b>	YREKA-CARNEGIE, 51894-03-05	<b>Matrix:</b>	PAINT CHIP
<b>Lab ID:</b>	N049991-001		

---

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>			<b>EPA 6010B</b>		
RunID:	NV00922-ICP2_220329G	QC Batch:	92118	PrepDate:	3/29/2022	Analyst: DJ
Lead	41		1.0	mg/Kg	1	3/30/2022 01:16 AM

---

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**ANALYTICAL RESULTS**

Print Date: 01-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049991  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab ID:** N049991-002

**Client Sample ID:** 412-P2  
**Collection Date:** 3/17/2022 1:00:00 PM  
**Matrix:** PAINT CHIP

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>		<b>EPA 6010B</b>			
RunID: NV00922-ICP2_220330F	QC Batch: 92118			PrepDate: 3/29/2022		Analyst: DJ
Lead	4800	5.0		mg/Kg	5	3/30/2022 08:07 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



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**ANALYTICAL RESULTS**

Print Date: 01-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049991  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab ID:** N049991-003

**Client Sample ID:** 412-P3  
**Collection Date:** 3/16/2022 3:00:00 PM  
**Matrix:** PAINT CHIP

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>			<b>EPA 6010B</b>		
RunID: NV00922-ICP2_220329G	QC Batch: 92118			PrepDate: 3/29/2022		Analyst: DJ
Lead	1000	1.0		mg/Kg	1	3/30/2022 01:28 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



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**ANALYTICAL RESULTS**

Print Date: 01-Apr-22

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	412-P4
<b>Lab Order:</b>	N049991	<b>Collection Date:</b>	3/16/2022 2:30:00 PM
<b>Project:</b>	YREKA-CARNEGIE, 51894-03-05	<b>Matrix:</b>	PAINT CHIP
<b>Lab ID:</b>	N049991-004		

---

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>			<b>EPA 6010B</b>		
RunID:	NV00922-ICP2_220329G	QC Batch:	92118	PrepDate:	3/29/2022	Analyst: DJ
Lead	180		2.0	mg/Kg	1	3/30/2022 01:33 AM

---

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**ANALYTICAL RESULTS**

Print Date: 01-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049991  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab ID:** N049991-005

**Client Sample ID:** 412-P5  
**Collection Date:** 3/16/2022 4:00:00 PM  
**Matrix:** PAINT CHIP

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>			<b>EPA 6010B</b>		
RunID: NV00922-ICP2_220329G	QC Batch: 92118			PrepDate: 3/29/2022		Analyst: DJ
Lead	24	2.0		mg/Kg	1	3/30/2022 01:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



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**ANALYTICAL RESULTS**

Print Date: 01-Apr-22

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<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	412-P6
<b>Lab Order:</b>	N049991	<b>Collection Date:</b>	3/16/2022 3:30:00 PM
<b>Project:</b>	YREKA-CARNEGIE, 51894-03-05	<b>Matrix:</b>	PAINT CHIP
<b>Lab ID:</b>	N049991-006		

---

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>LEAD BY ICP</b>						
	<b>EPA 3050B</b>			<b>EPA 6010B</b>		
RunID:	NV00922-ICP2_220329G	QC Batch:	92118	PrepDate:	3/29/2022	Analyst: DJ
Lead	ND		2.0	mg/Kg	1	3/30/2022 01:44 AM

---

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049991  
**Project:** YREKA-CARNEGIE, 51894-03-05

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_SPB**

Sample ID: <b>MB-92118</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>3/29/2022</b>	RunNo: <b>161175</b>
Client ID: <b>PBS</b>	Batch ID: <b>92118</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>3/30/2022</b>	SeqNo: <b>4581106</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	ND	1.0			

Sample ID: <b>LCS-92118</b>	SampType: <b>LCS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>3/29/2022</b>	RunNo: <b>161175</b>
Client ID: <b>LCSS</b>	Batch ID: <b>92118</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>3/30/2022</b>	SeqNo: <b>4581107</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	25.634	1.0	25.00	0	103 80 120

Sample ID: <b>N049998-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>3/29/2022</b>	RunNo: <b>161175</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92118</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>3/30/2022</b>	SeqNo: <b>4581110</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	13.164	1.0			12.83 2.58 20

Sample ID: <b>N049998-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>3/29/2022</b>	RunNo: <b>161175</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92118</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>3/30/2022</b>	SeqNo: <b>4581112</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	35.613	1.0	24.94	12.83	91.4 75 125

Sample ID: <b>N049998-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_SPB</b>	Units: <b>mg/Kg</b>	Prep Date: <b>3/29/2022</b>	RunNo: <b>161175</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92118</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>3/30/2022</b>	SeqNo: <b>4581113</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	35.977	1.0	24.99	12.83	92.6 75 125 35.61 1.02 20

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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**CHAIN OF CUSTODY RECORD**

Contact us:  
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California: 11060 Artesia Blvd., Ste C, Cerritos, CA 90703  
P: 562.219.7435 F: 562.219.7436  
[www.assetlaboratories.com](http://www.assetlaboratories.com)

<b>Client:</b> GEOLON CONSULTANTS	<b>Report to:</b> SOME	<b>Bill to:</b> SOME	<b>EDD Requirement</b>	<b>QA/QC</b>	<b>Sampe Receipt Condition</b>
<b>Address:</b> 3160 GOLD VALLEY DR. #800	<b>Company:</b>	<b>Address:</b>	Excel EDD <input checked="" type="checkbox"/>	RTNE <input checked="" type="checkbox"/>	Y N
<b>Address:</b> RANCHO CORDOVA, CA 95742	<b>Email:</b>	<b>Email to:</b>	Geotracker <input type="checkbox"/>	RWQCB <input type="checkbox"/>	1. Chilled <input type="checkbox"/>
<b>Phone:</b> 775-685-6116	<b>Address:</b>	<b>PO#:</b>	LabSpec <input type="checkbox"/>	CalTrans <input type="checkbox"/>	2. Headspace <input type="checkbox"/>
<b>Submitted By:</b> CHRIS GIUNTOLE	<b>Address:</b>	<b>Phone:</b>	Others <input type="checkbox"/>	Level III <input type="checkbox"/>	3. Container Intact <input checked="" type="checkbox"/>
<b>Title:</b>	<b>Phone:</b>	<b>Fax:</b>	<b>Specify:</b>	LEVEL IV <input type="checkbox"/>	4. Seal Present <input type="checkbox"/>
<b>Signature:</b> <i>Chris Giuntoli</i>	<b>Fax:</b>	<b>Global ID:</b>	<b>Specify State:</b>	Regulatory <input type="checkbox"/>	5. IR number <input type="checkbox"/>
<b>Date:</b> 3/18/22	<b>Sampled By:</b> CHRIS GIUNTOLE	<b>Matrix</b>	<b>Analyses Requested</b>	<b>CA</b>	8. Method of Cooling <input type="checkbox"/>
<b>Project Name:</b> YREKA-CARNEGIE	<b>Signature:</b> <i>Chris Giuntoli</i>	<b>Date:</b> 3/18/22	<b>Ground</b> <input type="checkbox"/> <b>Sediment</b> <input type="checkbox"/>		Sample Temp: <input type="checkbox"/>
<b>Project Number:</b> S1894-03-05	<b>I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.</b>	<b>Potable</b> <input type="checkbox"/> <b>Soil</b> <input type="checkbox"/>	<b>NPDES</b> <input type="checkbox"/> <b>Other Solid</b> <input checked="" type="checkbox"/>		
	<b>Surface</b> <input type="checkbox"/> <b>FAULT</b> <b>CHP</b>				

Item No.	Laboratory Work Order No.	Sample ID/Location	Date	Time	Water	Solid	Others	TOTAL LEAD				Turn Around Time	No. of container	Container Type	PRESERVATION	Remarks
1	N049991-01	412-P1	3/10/22	0800		X										
2	-02	412-P2	3/7/22	1300												
3	-03	412-P3	3/10/22	1500												
4	-04	412-P4		1430												
5	-05	412-P5		1600												
6	-06	412-P6		1530												
7																
8																
9																
10																
11																
12																

<b>Relinquished by (Signature and Printed Name):</b> <i>Chris Giuntoli</i>	<b>Date / Time:</b> 3/18/22 1200	<b>Received by (Signature and Printed Name):</b> <i>Giuelle Janice Sparks</i>	<b>Date / Time:</b> 3/25/22 0845	<b>Turn Around Time (TAT)</b>	<b>Special Instruction:</b>
<b>Relinquished by (Signature and Printed Name):</b>	<b>Date / Time:</b>	<b>Received by (Signature and Printed Name):</b>	<b>Date / Time:</b>	<input type="checkbox"/> A < 24 Hrs or Same Day TAT	
<b>Relinquished by (Signature and Printed Name):</b>	<b>Date / Time:</b>	<b>Received by (Signature and Printed Name):</b>	<b>Date / Time:</b>	<input type="checkbox"/> B = Next Workday	
				<input type="checkbox"/> C = 2 Workdays	
				<input type="checkbox"/> D = 3 Workdays	
				<input checked="" type="checkbox"/> E = Routine 5-7 Workdays	
				TAT Starts at 8 AM the following day if samples received after 3:00 PM.	

**Terms**  
1. All samples will be disposed in 45 days upon receipt and records will be destroyed in 5 years upon submission of final report.  
2. Regular TAT is 5-7 business days, surcharges will apply for rush analysis  
Less than 24 Hrs = 200% Next Day = 100% 2 Workdays = 50% 3 Workdays = 35% 4 Workdays = 20%  
3. Custom EDD formats will be an additional 3% of the total project price.  
4. Add 10% surcharge for Level III Data Packages, 15% for Level IV Data Packages. Surcharge applied on total project price.

5. Trip Blanks and Equipment Blanks are billable sample.  
6. ASSET Laboratories is not responsible for samples collected using incorrect methodology.  
7. Terms are net 30 Days.  
8. All reports are submitted in electronic format. Please inform ASSET Laboratories if hard copy of report is needed.  
9. For subcontract analysis, TAT and Surcharges will vary.

**Preservatives:**  
H = HCl N = HNO3 S = H2SO4 C = 4°C  
Z = Zn(AC)2 O = NaOH T = Na2S2O3

**Container Type:**  
T = Tube V = VOA P = Pint  
J = Jar B = Tedlar G = Glass  
M = Metal P = Plastic C = Can

White = Laboratory Copy  
Yellow = Customer's Copy



# ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 3/25/2022 Workorder: N049991  
 Rep sample Temp (Deg C): NA IR Gun ID: NA  
 Temp Blank:  Yes  No  
 Carrier name: Golden State Overnight  
 Last 4 digits of Tracking No.: 0364 Packing Material Used: None  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

## Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 13. Water - VOA vials have zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 14. Water - pH acceptable upon receipt?<br>Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 15. Did the bottle labels indicate correct preservatives used?                          | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 16. Were there Non-Conformance issues at login?<br>Was Client notified?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
|   | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |

Comments:

Checklist Completed By: GGJ *GGarcia* 3/25/2022

Reviewed By: *ABC* 3/25/2022

# ASSET Laboratories

## WORK ORDER Summary

25-Mar-22

WorkOrder: N049991

Client ID: GEOCO02

Project: YREKA-CARNEGIE, 51894-03-05

QC Level: RTNE

Date Received: 3/25/2022

### Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049991-001A	412-P1	3/16/2022 8:00:00 AM	4/1/2022	Paint Chip	EPA 3050B	Lead only digestion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/1/2022		EPA 6010B	LEAD BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N049991-002A	412-P2	3/17/2022 1:00:00 PM	4/1/2022		EPA 3050B	Lead only digestion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/1/2022		EPA 6010B	LEAD BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N049991-003A	412-P3	3/16/2022 3:00:00 PM	4/1/2022		EPA 3050B	Lead only digestion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/1/2022		EPA 6010B	LEAD BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N049991-004A	412-P4	3/16/2022 2:30:00 PM	4/1/2022		EPA 3050B	Lead only digestion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/1/2022		EPA 6010B	LEAD BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N049991-005A	412-P5	3/16/2022 4:00:00 PM	4/1/2022		EPA 3050B	Lead only digestion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/1/2022		EPA 6010B	LEAD BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N049991-006A	412-P6	3/16/2022 3:30:00 PM	4/1/2022		EPA 3050B	Lead only digestion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/1/2022		EPA 6010B	LEAD BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N049991-007A	FOLDER	4/1/2022	4/1/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			4/1/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB



800-322-5555  
www.gls-us.com

**Ship From**

GEOCON CONSULTANTS, INC.  
CHRISTINA MARIE BOESCHEN  
3160 GOLD VALLEY DRIVE  
RANCHO CORDOVA, CA 95742

**Tracking #: 556360364**

**SDS**



**Ship To**

ASSET LABORATORIES  
SAMPLE RECEIVING  
3151 W. POST ROAD  
LAS VEGAS, NV 89118

**LAS VEGAS**

**C89102A**

**COD: \$0.00**

**Weight: 1 lb(s)**

**Reference:**

**Delivery Instructions:**

**Signature Type: STANDARD**



61534494

**LVS NV891-A 0**

Print Date: 3/18/2022 10:24 AM

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**

Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.

Step 2: Fold this page in half.

Step 3: Securely attach this label to your package and do not cover the barcode.

**TERMS AND CONDITIONS:**

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at [www.gls-us.com](http://www.gls-us.com).

April 18, 2022

Chris Giuntoli  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

TEL: (925) 371-5900

FAX: (925) 371-5915

Workorder No.: N050237

RE: YREKA-CARNEGIE, 51894-03-05

Attention: Chris Giuntoli

Enclosed are the results for sample(s) received on April 08, 2022 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Nancy Sibucan  
Laboratory Director

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*"Serving Clients with Passion and Professionalism"*

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---

**CLIENT:** Geocon Consultants, Inc.  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab Order:** N050237

---

**CASE NARRATIVE**

**SAMPLE RECEIVING/GENERAL COMMENTS:**

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

This is an addendum for workorder N049991.



**CLIENT:** Geocon Consultants, Inc.  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab Order:** N050237  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N050237-001A	412-P2	Paint Chip	3/17/2022 1:00:00 PM	4/8/2022	4/18/2022
N050237-002A	412-P3	Paint Chip	3/16/2022 3:00:00 PM	4/8/2022	4/18/2022
N050237-003A	412-P4	Paint Chip	3/16/2022 2:30:00 PM	4/8/2022	4/18/2022



**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 18-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab ID:** N050237-001

**Client Sample ID:** 412-P2  
**Collection Date:** 3/17/2022 1:00:00 PM  
**Matrix:** PAINT CHIP

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>		<b>EPA 1311/ 6010B</b>			
RunID: NV00922-ICP2_220412G	QC Batch: 92362				PrepDate: 4/12/2022	Analyst: DJ
Lead	0.81	0.25		mg/L	5	4/12/2022 09:23 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
S Spike/Surrogate outside of limits due to matrix interference  
DO Surrogate Diluted Out  
E Value above quantitation range  
ND Not Detected at the Reporting Limit  
Results are wet unless otherwise specified



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ORELAP/NELAP Cert 4046

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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 18-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab ID:** N050237-002

**Client Sample ID:** 412-P3  
**Collection Date:** 3/16/2022 3:00:00 PM  
**Matrix:** PAINT CHIP

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS BY TCLP EXTRACTION</b>						
	<b>EPA 3010A</b>		<b>EPA 1311/ 6010B</b>			
RunID: NV00922-ICP2_220412G	QC Batch: 92362				PrepDate: 4/12/2022	Analyst: DJ
Lead	1.5	0.25		mg/L	5	4/12/2022 09:54 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 18-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05  
**Lab ID:** N050237-003

**Client Sample ID:** 412-P4  
**Collection Date:** 3/16/2022 2:30:00 PM  
**Matrix:** PAINT CHIP

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>ICP METALS BY STLC</b>						
	<b>EPA 3010A</b>		<b>WET/ EPA 6010B</b>			
RunID: NV00922-ICP2_220415C	QC Batch: 92437				PrepDate: 4/15/2022	Analyst: DJ
Lead	1.7	0.31		mg/L	5	4/15/2022 07:07 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



**ASSET LABORATORIES**  
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_ST**

Sample ID: <b>MB-92362</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>
Client ID: <b>PBS</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4597986</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	ND	0.0500			

Sample ID: <b>MB-92285 STLC</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>
Client ID: <b>PBS</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4597988</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	0.020	0.250			

Sample ID: <b>MB-92314 STLC</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>
Client ID: <b>PBS</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4597989</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	0.026	0.250			

Sample ID: <b>LCS-92362</b>	SampType: <b>LCS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>
Client ID: <b>LCSS</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4597990</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	0.495	0.0500	0.5000	0	99.0 85 115

Sample ID: <b>N050247-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598155</b>
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Lead	0.003	0.0500			0.005724 0 20

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N050247-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598157</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.408	0.0500	0.5000	0.005724	80.5	75	125				

Sample ID: <b>N050247-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161550</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>92362</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598158</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.475	0.0500	0.5000	0.005724	93.8	75	125	0.4083	15.1	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>MB-92437</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>PBS</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602544</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.050

Sample ID: <b>MB-92390 STLC</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>PBS</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602546</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: <b>LCS-92437</b>	SampType: <b>LCS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602547</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.510 0.050 0.5000 0 102 85 115

Sample ID: <b>N050263-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602553</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.463 0.050 0.5000 0 92.6 75 125

Sample ID: <b>N050263-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602554</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.463 0.050 0.5000 0 92.5 75 125 0.4631 0.0918 20

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_ST**

Sample ID: <b>N050287-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602567</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.083	0.050						0.08452	1.57	20	

Sample ID: <b>N050287-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602568</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.599	0.050	0.5000	0.08452	103	75	125				

Sample ID: <b>N050287-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_ST</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>WET/ EPA 60 EPA 3010A</b>	Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4602574</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.114	0.050						0.1162	2.10	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TC**

Sample ID: <b>MB-92362</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161554</b>						
Client ID: <b>PBS</b>	Batch ID: <b>92362</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598181</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.050

Sample ID: <b>MB-92350 TCLP</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161554</b>						
Client ID: <b>PBS</b>	Batch ID: <b>92362</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598182</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.050

Sample ID: <b>LCS-92362</b>	SampType: <b>LCS</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161554</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>92362</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598185</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.495 0.050 0.5000 0 99.0 85 115

Sample ID: <b>N050247-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161554</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92362</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598195</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.003 0.050 0.005724 0 20

Sample ID: <b>N050247-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161554</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92362</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598197</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.408 0.050 0.5000 0.005724 80.5 75 125

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TC**

Sample ID: <b>N050247-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/12/2022</b>	RunNo: <b>161554</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92362</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>	Analysis Date: <b>4/12/2022</b>	SeqNo: <b>4598198</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.475	0.050	0.5000	0.005724	93.8	75	125	0.4083	15.1	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TC**

Sample ID: <b>MB-92397 TCLP</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>PBS</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603187</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.050

Sample ID: <b>LCS-92437</b>	SampType: <b>LCS</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603189</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.510 0.050 0.5000 0 102 85 115

Sample ID: <b>N050263-001H-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603195</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.463 0.050 0.5000 0 92.6 75 125

Sample ID: <b>N050263-001H-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603196</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.463 0.050 0.5000 0 92.5 75 125 0.4631 0.0918 20

Sample ID: <b>N050287-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603209</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.083 0.050 0.08452 1.57 20

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N050237  
**Project:** YREKA-CARNEGIE, 51894-03-05

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_TC**

Sample ID: <b>N050287-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603210</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.599	0.050	0.5000	0	120	75	125				

Sample ID: <b>N050287-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_TC</b>	Units: <b>mg/L</b>	Prep Date: <b>4/15/2022</b>	RunNo: <b>161650</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>92437</b>	TestNo: <b>EPA 1311/ 60 EPA 3010A</b>		Analysis Date: <b>4/15/2022</b>	SeqNo: <b>4603216</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.114	0.050						0.1162	2.10	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**Subject:** FW: YREKA-CARNEGIE, 51894-03-05 (ASSET Labs No. N049991)

**From:** "Reports LV" <reports.lv@assetlaboratories.com>

**Date:** 4/9/2022, 12:33 AM

**To:** "'Mary Ann Balilu'" <maryann.balilu@assetlaboratoriesph.com>, "'Rustico Aquino'" <rustico.aquino@assetlaboratoriesph.com>, <yoandra@assetlaboratories.com>

I logged it to N050237

Thanks,  
Sonny

---

**From:** Chris Giuntoli <giuntoli@geoconinc.com>

**Sent:** Friday, April 8, 2022 4:54 PM

**To:** 'Reports ASSET Laboratories' <reports.lv@assetlaboratories.com>; Fernando Rivera <fernando@assetlaboratories.com>

**Subject:** RE: YREKA-CARNEGIE, 51894-03-05 (ASSET Labs No. N049991)

Hi,

For lab no. N049991, if there is sufficient sample volume remaining, please run these additional analyses on a 5-day TAT:

412-P2, run TCLP lead;  
412-P3, run TCLP lead; and  
412-P4, run WET lead.

Regards,  
Chris

---

**From:** Reports LV <[reports.lv@assetlaboratories.com](mailto:reports.lv@assetlaboratories.com)>

**Sent:** Friday, April 01, 2022 5:09 PM

**To:** Chris Giuntoli <[giuntoli@geoconinc.com](mailto:giuntoli@geoconinc.com)>

**Cc:** 'Marlon Cartin' <[marlon@assetlaboratories.com](mailto:marlon@assetlaboratories.com)>

**Subject:** YREKA-CARNEGIE, 51894-03-05 (ASSET Labs No. N049991)

Enclosed is the final report for the above project.

Thanks,

**Fern Rivera**

Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 Ext. 412 | F: 702.307.2691

California: 11060 Artesia Blvd., Ste. C, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436

[www.assetlaboratories.com](http://www.assetlaboratories.com)



# ASSET Laboratories

## WORK ORDER Summary

12-Apr-22

**WorkOrder:** N050237

**Client ID:** GEOCO02

**Project:** YREKA-CARNEGIE, 51894-03-05

**QC Level:** RTNE

**Date Received:** 4/8/2022

**Comments:** Addendum WO for N049991

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N050237-001A	412-P2	3/17/2022 1:00:00 PM	4/15/2022	Paint Chip	EPA 1311	TCLP Sample Prep (Metals)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/15/2022		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/15/2022		EPA 1311/ 6010B	ICP METALS by TCLP Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N050237-002A	412-P3	3/16/2022 3:00:00 PM	4/15/2022		EPA 1311	TCLP Sample Prep (Metals)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/15/2022		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
			4/15/2022		EPA 1311/ 6010B	ICP METALS by TCLP Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WS
N050237-003A	412-P4	3/16/2022 2:30:00 PM	4/15/2022		EPA 3010A	AQPREP TOTAL METALS: ICP, FLAA for STLC Extracts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INTRANS IT
			4/15/2022		WET/ EPA 6010B	ICP METALS by STLC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INTRANS IT
			4/15/2022		WET	STLC Sample Prep Metals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	INTRANS IT
N050237-004A	FOLDER	4/15/2022	4/15/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

APPENDIX



B



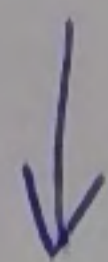
Taken by Chief Brian Bowles 10-25-11  
 old diesel tank filled with slurry to within 4" of top @ vent pipe. No visible or smell of diesel in soil. Tank was pumped out and filled with slurry by Evans const. per Mark Radelli who was there at the time. Rick Bettis supervised the work for Evans Construction.

Met with Mary Frances Mulhugh, Steve Baker, Brian Bowles to discuss the tank issue. It was decided to be a non-issue and work was to proceed with the electrical. MFM researched and the tank being less than 1100 gallons did not require removal.

Mark Schmitt  
 11-10-11



↑  
 vent pipe



Pls  
 permission  
 installed  
 and ordinar  
 REMARKS  
 If construct  
 if work is s  
 be deemed

## Nicole Hastings-Bethel

---

**From:** Alexa Roche <aroche@co.siskiyou.ca.us>  
**Sent:** Wednesday, March 03, 2021 4:06 PM  
**To:** Nicole Hastings-Bethel  
**Cc:** Alex McBride; Rick Dean  
**Subject:** RE: Carnegie Parcels & UST Closure

Hi Nicole,

After discussing with my supervisor, it has been confirmed no further action is required. It is up to the facility owner if they would want to continue any further testing or take action on the abandoned tank. If you are interested in requiring a permit for a tank pull, let me know.

Sincerely,

Alexa Roche  
Environmental Health Specialist I  
Siskiyou County Environmental Health Division  
Office: 530-841-2100  
Desk: 530-841-2117  
Fax: 530-841-4076  
[www.co.siskiyou.ca.us/page/environmental-health-division](http://www.co.siskiyou.ca.us/page/environmental-health-division)

---

**From:** Nicole Hastings-Bethel <hastings@geoconinc.com>  
**Sent:** Wednesday, March 3, 2021 8:01 AM  
**To:** Alexa Roche <aroche@co.siskiyou.ca.us>  
**Cc:** Alex McBride <alex@siskiyoucounty.org>  
**Subject:** RE: Carnegie Parcels & UST Closure

Hi Alexa,

Have you had a chance to discuss the assumed unpermitted UST abandoned in 2011 with your supervisor and what the County is going to require of the City to come into compliance?

Thanks!

**Please note: In order to do our part to reduce the spread of COVID-19, many Geocon personnel will be working remotely. During this time, our office lines may not be answered. Please also consider contacting us via email, cell phone, or text for the foreseeable future. Thank you!**

Nicole Hastings-Bethel  
P|916.852.9118 ext. 515 M|805.801.4998

---

**From:** Nicole Hastings-Bethel  
**Sent:** Friday, February 19, 2021 10:35 AM  
**To:** Alexa Roche  
**Cc:** Alex McBride  
**Subject:** RE: Carnegie Parcels & UST Closure

Hi Alexa,

I've attached the memo from the City documenting the UST found in 2011. As I mentioned on the phone, I am comfortable with the documentation of the 1989 UST that was removed from the police department. There appears to have been 3 USTs listed on that one permit but they appear to be for different City properties: police department, fire department, and corporate yard. There is also just one UST identified in the figure that shows the police department which would also support this.

What I would like a recommendation on is how the County wants to handle the apparently undocumented UST that was discovered in 2011 and based on the attached memo, was abandoned in place. Since you have not found County records documenting the abandonment of this UST it may have been done without County oversight. You mentioned new guidance is anticipated in 2024 that will require removal of all single-wall USTs – will this include USTs that were abandoned in place?

Thanks again for your help on this one.

**Please note: In order to do our part to reduce the spread of COVID-19, many Geocon personnel will be working remotely. During this time, our office lines may not be answered. Please also consider contacting us via email, cell phone, or text for the foreseeable future. Thank you!**

Nicole Hastings-Bethel

P|916.852.9118 ext. 515 M|805.801.4998

---

**From:** Alexa Roche [<mailto:aroche@co.siskiyou.ca.us>]

**Sent:** Friday, February 19, 2021 7:44 AM

**To:** Nicole Hastings-Bethel

**Cc:** Alex McBride

**Subject:** RE: Carnegie Parcels & UST Closure

Hi Nicole,

After reviewing the folder, it is looking like compliance was reached when testing was conducted during the tank pull for the two tanks. It is up to your organizations' discretion in regard to pursuing any further action. I hope this answers your question, if not I will be in my office today.

Sincerely,

Alexa Roche

Environmental Health Specialist I

Siskiyou County Environmental Health Division

Office: 530-841-2100

Desk: 530-841-2117

Fax: 530-841-4076

[www.co.siskiyou.ca.us/page/environmental-health-division](http://www.co.siskiyou.ca.us/page/environmental-health-division)

---

**From:** Nicole Hastings-Bethel <[hastings@geoconinc.com](mailto:hastings@geoconinc.com)>

**Sent:** Wednesday, February 17, 2021 10:29 AM

**To:** Alexa Roche <[aroche@co.siskiyou.ca.us](mailto:aroche@co.siskiyou.ca.us)>

**Cc:** Alex McBride <[alex@siskiyoucounty.org](mailto:alex@siskiyoucounty.org)>

**Subject:** RE: Carnegie Parcels & UST Closure

Hi Alexa.

Thank you for providing the map, and sorry for the delay in my response. So, the map you provided of the UST removed in 1989 is about the same location as the UST that was abandoned in place in 2011. It seems a little odd given the small space, but not unheard of that multiple USTs would be located in the same area and one could go unnoticed, which is



my best guess as to what happened here. The notes from the 2011 UST memo clearly state that the UST was pumped and backfilled with cement slurry, so I do not believe this is a case where the UST was recorded as removed but really abandoned in place.

Now the other and more tricky part of my question on this site still needs to be addressed and that is what does the City need to do in order to come into compliance with the County regarding the abandoned UST located in about the same location on the east side of the existing building?

Thanks!

**Please note: In order to do our part to reduce the spread of COVID-19, many Geocon personnel will be working remotely. During this time, our office lines may not be answered. Please also consider contacting us via email, cell phone, or text for the foreseeable future. Thank you!**

Nicole Hastings-Bethel

P|916.852.9118 ext. 515 M|805.801.4998

---

**From:** Alexa Roche [<mailto:aroche@co.siskiyou.ca.us>]

**Sent:** Wednesday, February 10, 2021 7:23 AM

**To:** Nicole Hastings-Bethel; Alex McBride

**Subject:** RE: Carnegie Parcels & UST Closure

Hi Nicole,

I attached the only map drawing we have of for the site and I hope it will be enough information for your project.

Let me know if you have any further questions.

Sincerely,

Alexa Roche

Environmental Health Specialist I

Siskiyou County Environmental Health Division

Office: 530-841-2100

Desk: 530-841-2117

Fax: 530-841-4076

[www.co.siskiyou.ca.us/page/environmental-health-division](http://www.co.siskiyou.ca.us/page/environmental-health-division)

---

**From:** Nicole Hastings-Bethel <[hastings@geoconinc.com](mailto:hastings@geoconinc.com)>

**Sent:** Thursday, February 4, 2021 8:43 AM

**To:** Alexa Roche <[aroche@co.siskiyou.ca.us](mailto:aroche@co.siskiyou.ca.us)>; Alex McBride <[alex@siskiyoucounty.org](mailto:alex@siskiyoucounty.org)>

**Subject:** RE: Carnegie Parcels & UST Closure

Hi Alexa,

Thanks for taking the time to dig this out. I've spent plenty of time with unorganized file boxes and understand the time it takes! If you can't share the map with us, hopefully you can share it with the City or Alex with the County so they can at least show me on a current map where the UST(s) and piping were located.

This will wrap up the UST from 1989 and rumors of a heating oil UST on the Site, now what are your thoughts on this UST that was apparently abandoned in place in 2011? If the County does not have records, what do we need to do to bring it into compliance?

Thanks again!

Nicole Hastings-Bethel

P|916.852.9118 ext. 515 M|805.801.4998

---

**From:** Alexa Roche [<mailto:aroche@co.siskiyou.ca.us>]

**Sent:** Wednesday, February 03, 2021 5:12 PM

**To:** Nicole Hastings-Bethel; Alex McBride

**Subject:** RE: Carnegie Parcels & UST Closure

Hi Nicole,

My apologies for the lack of response, it's been tricky finding this file. We store older files in a not so organized fashion and I had to do some organizing myself before finding the folder. Unfortunately, due to our county regulation I cannot share the actual map of USTs location but I should know by tomorrow if I approval to share. I attached what documents were deemed appropriate and could be useful for your research.

Let me know if you have any further questions.

Sincerely,

Alexa Roche

Environmental Health Specialist I

Siskiyou County Environmental Health Division

Office: 530-841-2100

Desk: 530-841-2117

Fax: 530-841-4076

[www.co.siskiyou.ca.us/page/environmental-health-division](http://www.co.siskiyou.ca.us/page/environmental-health-division)

---

**From:** Nicole Hastings-Bethel <[hastings@geoconinc.com](mailto:hastings@geoconinc.com)>

**Sent:** Wednesday, February 3, 2021 2:10 PM

**To:** Alex McBride <[alex@siskiyoucounty.org](mailto:alex@siskiyoucounty.org)>; Nancy Hayden <[nhayden@co.siskiyou.ca.us](mailto:nhayden@co.siskiyou.ca.us)>

**Cc:** Alexa Roche <[aroche@co.siskiyou.ca.us](mailto:aroche@co.siskiyou.ca.us)>

**Subject:** RE: Carnegie Parcels & UST Closure

Hi Nancy and Alexa,

Sorry to keep bugging you guys about this, but I'm trying to get this Phase I Environmental Site Assessment back to the City and our recommendations for additional work hinge on how the County views the documentation for these two USTs.

I understand the County may no longer have the record for the UST removed in 1989, but based on the documentation provided by the City (see attached, it appears as though this UST was removed under the appropriate County guidelines at the time given the completed County Permit and signed off closure inspection. It would be really good to know where the UST was, but that was not in the City's records. For this UST, if you are not able to provide any additional documents, can you at least comment on what the procedure would have been to confirm a UST had not leaked? Were samples always required in 1989 or was a visual inspection typically enough to approve closure?

Now, for the UST abandonment from 2011, we do not have documentation of any County records or correspondence. Not to say it did not happen, but some assumptions will likely have to be made if additional records are not identified. The memo states that because the UST was less than 1,100 gallons that it did not require removal. Do you know if this was a standard practice in 2011 and if so is that still the case today? Based on the memo, the UST appears to have been abandoned properly, it was pumped and then filled with a cement slurry. The location adjacent to the building and other utility lines makes sense for abandonment vs removal. If the County does not permit or have any concerns about this abandoned UST, then please let me know. However, if abandonment or even documentation of a UST would typically be

permitted with the County then please let me know what the City needs to do in order to bring this UST into compliance with the County.

Hopefully this gives you a little more guidance about what we are looking for and if either are you are not the appropriate party to answer these questions, can you put us in contact or forward this email to whoever is?

Thank you for your time.

**Nicole Hastings-Bethel**

P|916.852.9118 ext. 515 M|805.801.4998

---

**From:** Alex McBride [<mailto:Alex@siskiyoucounty.org>]

**Sent:** Tuesday, December 15, 2020 9:24 AM

**To:** Nancy Hayden

**Cc:** Alexa Roche; Nicole Hastings-Bethel

**Subject:** Carnegie Parcels & UST Closure

Hi Nancy,

Hoping we might be able to use a few new strategies to find the closed UST file for the Carnegie Building in Yreka (The Old Yreka Police Department Station). The closure was from 2011 and I just found a picture of the UST Closure Permit in the City File (attached). Maybe we can search CMHC by the closure number? It should be the first one marked (Police). This also might mean the UST is in some larger file under the City of Yreka which did a few closures simultaneously.

Strategy number 2 – I’ve also found the old APN’s prior to the Boundary Line Adjustment:

- 053-352-030; 040; 100

Last hope Strategy - the UST sat pretty close to the East property line, so if the above doesn’t work, maybe a quick look on the neighbors parcel?

- 053-352-160

If you still can’t find the file, Nicole and I will give up and find another work around. Thanks again for the power assist with this unfortunately long, and missing file search!

Best,

Alex



**Alexandria McBride**

Program Manager

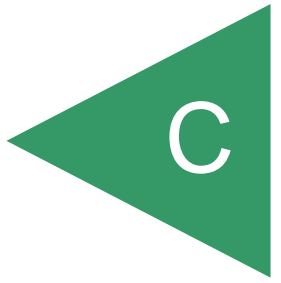
Siskiyou Economic Development

1512 South Oregon Street, Yreka, CA 96097

O: 530.842.1638

E: [alex@siskiyoucounty.org](mailto:alex@siskiyoucounty.org)

APPENDIX



Siskiyou County Community Development-Environmental Health Division

806 South Main Street, Yreka CA 96097  
 Telephone: (530) 841-2100 FAX: (530) 841-4076

T45N R7WS 22

WATER WELL PERMIT

PERMIT# W22014

APPLICANT (Must be licensed contractor or property owner and must be legible)

Name Geocon Consultants, Inc  
 Address 3160 Gold Valley Drive, Suite 800  
 Mailing Address \_\_\_\_\_  
 City, State, Zip Code Rancho Cordova, CA 95742  
 Telephone 805-801-4998 (Nicole Hastings, cell)

Well Type	Annular Seal Depth
<input type="checkbox"/> Domestic	20 foot minimum
<input type="checkbox"/> Industrial	50 foot minimum
<input type="checkbox"/> Agricultural	20 foot minimum
<input type="checkbox"/> Public	50 foot minimum
<input type="checkbox"/> Monitoring	as approved # _____
<input type="checkbox"/> Deepening	n/a
<input type="checkbox"/> Destruction	n/a
<input checked="" type="checkbox"/> Soil bores	as approved # <u>3</u>
<input type="checkbox"/> Other	as approved

Minimum thickness of annular space seal is 2 inches

A PLOT PLAN MUST be submitted on an 8 1/2 x 11 sheet of paper. It must include all property boundaries, waterways, roads, septic systems and structures, location of the proposed well in relationship to the property boundaries.

- Permit Conditions**
- Well driller must provide a minimum of 24 hours notice prior to installing or placing annular seal.
  - All wells must be drilled under a C-57 license
  - Applicant/well driller is responsible for maintaining all setbacks as approved by on location map below including a minimum of 100 feet from any established on-site sewage disposal location.
  - Owner and well contractor are required to submit a completed well log within 30 days of well completion.
  - This permit does not guarantee issuance of any other development permits or land use requests for this property.
  - This permit expires six months from the date of issuance.

**Owner/Contractor Signatures**

**SIGNATURE OF OWNER: (required on all applications)**

I am the owner of the property and certify that the information contained herein is accurate. I understand that this application will become a permit upon review and approval by the Environmental Division. I understand that well construction may not begin prior to receiving a permit and all terms and conditions apply. I hereby authorize SISKIYOU COUNTY to enter the property for inspection purposes.

I hereby authorize the contractor listed herein to obtain the permit.  
 Signature \_\_\_\_\_ Date 1/24/22

**Signature of Contractor (required on all applications)**

I certify that I possess a valid C-57 contractor's license that is in full force and effect. I certify that I have read this application and the above information is correct. I agree to comply with all Siskiyou County Ordinances and State Laws relating this well construction. I understand that this application will become a permit upon review and approval by the Environmental Division. I understand that well construction may not begin prior to receiving a permit and all terms and conditions apply.  
 Contractor Signature \_\_\_\_\_ Date 1/25/22

**Property Location**  
 Property Owner City of Yreka  
 Assessors parcel # 053-352-160  
 Location 412 West Miner Street, Yreka, CA  
 Parcel Size 0.4 acre

**WELL CONTRACTOR**  
 Name PeneCore Drilling  
 Mailing Address 220 N. East Street  
 City, State, Zip Code Woodland, CA 95776  
 Telephone 530-661-3600  
 License # 906899

**FEES-Subject to Change**

Water Well permit	\$360
Water Well Deepening	\$185
Water Well destruction	\$185
Monitoring Well(s) construction or destruction and Soil bores	First three \$360
	\$75 for each additional bore/MW construction/destruction

**For Official Use Only**

	Date	Initials
Property Owner Verification	<u>1/23/22</u>	<u>AK</u>
Set back Requirements		<u>NA</u>
Flood		<u>NA</u>
Zoning		<u>NA</u>

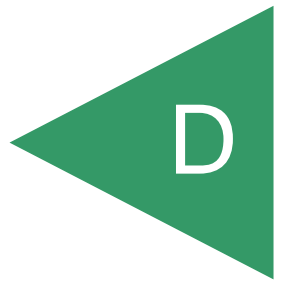
Received by LF Date 1/27/22  
 Fee Received \$360 ck#396

Permission is hereby granted for the above well work in accordance with all State and County laws and standards as provided in Siskiyou County Code, Title 5, Chapter 8 and any conditions as set forth in this permit.

Issued by [Signature] Date 1/26/2022  
 Seal Inspection \_\_\_\_\_ Date \_\_\_\_\_  
 Seal Depth \_\_\_\_\_  
 Final Inspection by \_\_\_\_\_ Date \_\_\_\_\_  
 Inspection Notes: \_\_\_\_\_  
 Date Well Log Received \_\_\_\_\_ Log # \_\_\_\_\_

**LOCATION MAP**  
 (to be completed by department)

APPENDIX



December 6, 2021  
Reference: 21-100-1CA

Ms. Nicole Hastings-Bethel  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

**Subject:** Geophysical Investigation Results  
412 West Miner Street  
Yreka, California

Dear Ms. Hastings-Bethel:

Advanced Geological Services (AGS) presents this letter to Geocon Consultants, Inc. summarizing the geophysical investigation completed by AGS on October 20, 2021 at 412 West Miner Street in Yreka, California. As understood by AGS, the property had been used most recently by the Yreka Police Department, but historically the building was a library, and the northern portion of the property had several residential buildings along North Street. The portion of that had been occupied by the residential buildings was a paved parking lot at the time of the geophysical investigation. Geocon also indicated that an abandoned underground storage tank (UST) was located near the northeast corner of the former library building.



Figure 1: Site Location

The objective of the geophysical investigation was to delineate the location of the existing abandoned UST at the northeast corner of the former library, and determine if any additional undocumented underground storage tanks (USTs) or other features of potential environmental concern were present within the survey area.

To achieve the project objectives, AGS utilized a combination of the ground conductivity electromagnetic (EM) method and the ground penetrating radar (GPR) method.

### ***Summary of Findings***

No previously undocumented USTs or other areas of potential environmental concern were identified during the course of the geophysical investigation. A previously documented abandoned UST was located and delineated on the east side of the former library building.

This abandoned UST is located beneath the AC units near the northeast corner of the building. A propane pipe that is at the ground surface and adjacent to the driveway curb also crosses above the UST, and the underground electrical feed for the building runs close to, and along the east side of the UST. The abandoned UST is estimated to be approximately 4 feet in diameter by 6 feet in length (approximately 550 gallons), and is buried at a depth of approximately 3 feet.

## **Methods**

### *Ground Conductivity Electromagnetic (EM) Method*

Ground conductivity EM data were collected across accessible portions of the geophysical investigation area to identify anomalous features that could indicate the presence of USTs or other anomalous subsurface features. The EM method uses the principle of electromagnetic induction to measure the variability of ground conductivity of subsurface materials. The ground conductivity EM method is capable of detecting variations in soil conductivity that can be caused by changes in soil composition, soil compaction, or moisture content that are often associated with previously excavated or disturbed soils. The EM method also reacts very strongly to the presence of buried metal objects such as USTs, pipelines, or buried drums, as well as metallic features on the ground surface, such as parked cars, or building structures.

A Geonics EM31-MK2 ground conductivity EM instrument was used to collect EM data throughout the investigation area. The EM31-MK2 operates in accordance with the theory of operation at low induction numbers. An alternating current is passed through the transmitter coil to induce eddy currents into the ground. These eddy currents generate a secondary magnetic field. A component of the induced magnetic field is detected by a receiver coil and measured by the instrument. The receiver measures the field strength of both the quadrature and the in-phase components. The quadrature response is displayed as ground conductivity in units of milliSiemens per meter (mS/m). The in-phase response is displayed in units of parts per thousand (ppt) of the transmitted signal. The estimated maximum depth of investigation of the EM31-MK2 instrument is up to approximately 18 feet below the ground surface depending on site and soil conditions.

Ground conductivity EM data were collected throughout the survey area along parallel traverses spaced 5 feet apart. EM measurements were recorded every 5 feet along each traverse.

Following data collection, EM data were reviewed while on site to identify anomalies of potential concern that would require additional characterization using GPR methods. Locations of anomalous features identified in the field were marked on site with spray paint. Final review of the EM data were completed at the AGS office to identify any subtle features that may not have been recognized in the field.



### *Ground Penetrating Radar (GPR) Method*

The ground penetrating radar (GPR) method was used to further characterize anomalies identified in the EM results and to investigate areas where the EM method was ineffective because of rebar or surface metal. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of the down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR response. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

A GSSI SIR-3000 GPR system and a 270 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide depth of penetration of up to approximately 10 feet under ideal field conditions. High conductivity soil, some conductive ballast gravels, and some urban fill materials can strongly attenuate GPR signals, thereby decreasing the effective depth of investigation of the GPR system.

GPR data were collected across areas where EM anomalies were identified to better characterize the source of the anomaly. Locations of identified features were marked on the ground surface with spray paint.

### ***Results and Discussion***

At the time of the geophysical investigation the site was vacant, and the paved parking lot on the north side of the property was empty.

Contoured ground conductivity EM results are shown on Figure 2. The EM map is overlaid onto an aerial photograph showing site conditions similar to those at the time of the investigation, minus the parked vehicles. Overall, the portion of the site located to the north of the former library building showed little variation from the EM ground conductivity background level, with no anomalies identified that would suggest the presence of any USTs or remnant building debris of potential environmental concern. The strongest EM response within the northern portion of the site was caused by a sheet metal porch roof on the front of a shed located on the west side of the property (Figure 2, EM grid coordinate -55 east/40 north). GPR traverses collected beneath the sheet metal roof, and surrounding the shed did not identify any buried features within the area.

No features indicating the presence of any unknown anomalous features were noted within southern portion of the investigation area surrounding the former library. The library building itself, features present along the outer walls of the former library (conduits, AC units, stair

railings, etc), and the building located west of the site, at 418 West Miner Street all caused strong EM responses (Figure 2). GPR traverses were completed surrounding the former library in areas where strong EM responses were noted. The GPR records did not indicate that any unknown items of concern were present.

During the investigation several underground utilities were identified near the northeast corner of the former library where the abandoned UST was believed to be located. Identified underground utilities in the area included an electrical conduit that extends from the north side of the building and feeds power to a street light adjacent to the parking lot, the electrical power feed for the library building that runs from a utility pole on the east side of the parking lot to the east side of the library building, and a propane pipe that runs from a propane tank to the east side of the library building (Figure 2). Each of these utilities were marked on site with spray paint (red=electric, yellow=propane).

GPR traverses were completed along the east side of the library to locate and delineate the previously documented abandoned UST. GPR records did identify the location of the abandoned UST in the area where the AC units are located. The UST is oriented parallel to the east wall of the building and is situated between the buried primary electrical feed to the building and the building wall. A photograph showing the location of the abandoned UST is presented on Figure 3 along with a GPR image collected along the top of the trench for the electrical feed parallel to the length of the abandoned UST. The abandoned UST is estimated to be approximately 4 feet in diameter and 6 feet long (approximately 550 gallons) and buried at a depth of approximately 3 feet below grade. It was not possible to fully image the abandoned UST because of the presence of the curbing and other features present on the ground surface above the UST.

The easternmost edge of the abandoned UST appears to extend slightly beyond the curb and into the trench for the electrical line (Figure 3). The electrical line is believed to be buried at a depth of approximately 3 feet below grade, however the GPR images and the response from the RF utility locating instrument were inconclusive, and the electrical line could be as shallow as 2 feet below grade. Appropriate caution and care should be taken if any excavation or soil sampling is planned in this area. There is also a propane pipe located along the west side of the curb at the ground surface and above the abandoned UST (note that it is hidden by the curb in the photograph shown on Figure 3).

In summary, no previously undocumented USTs or other buried features of potential environmental concern were identified during the geophysical investigation. An abandoned UST is located on the east side of the former library building beneath the AC units, a propane pipe, and adjacent to the electrical feed for the building.

### ***Closing***

All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The

Nicole Hastings-Bethel  
December 6, 2021  
21-100-1CA  
Page 5 of 5

correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

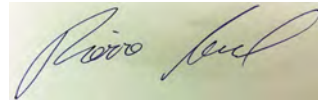
If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,



*Donald Jagel*  
*Senior Scientist/Branch Manager*

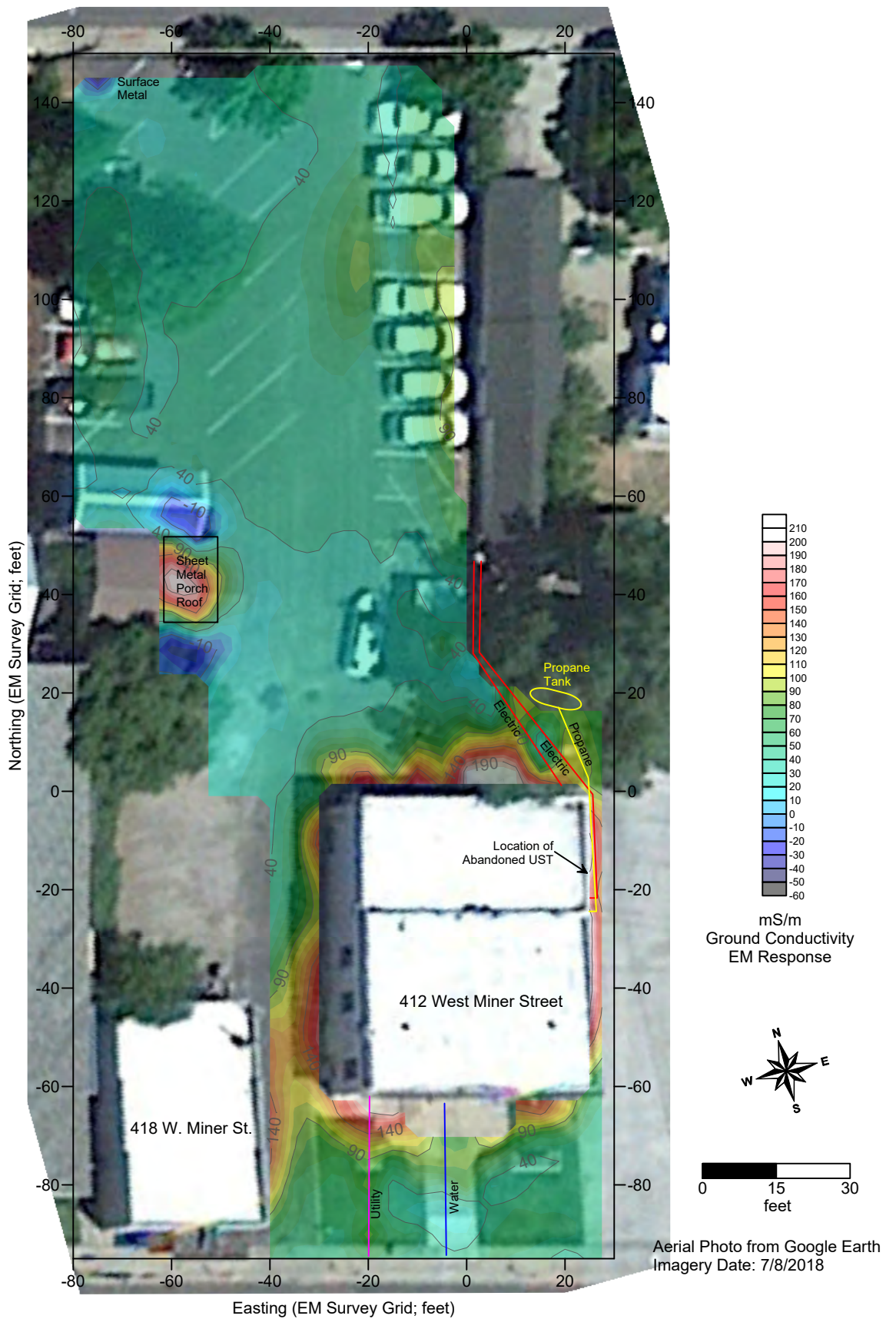
Advanced Geological Services, Inc.  
P.O. Box 349, 280½ East Main Street  
Chillicothe, OH 45601



*Pierre Armand GP 1021*  
*Senior Geophysicist*




Figures: Figure 1: Aerial Photo Showing Site Location (embedded in Report text, above)  
Figure 2: Contoured Ground Conductivity EM Results  
Figure 3: Photograph Showing the Location of the Abandoned UST and  
a Representative GPR Image Parallel to the Length of the UST



**NOTES:**

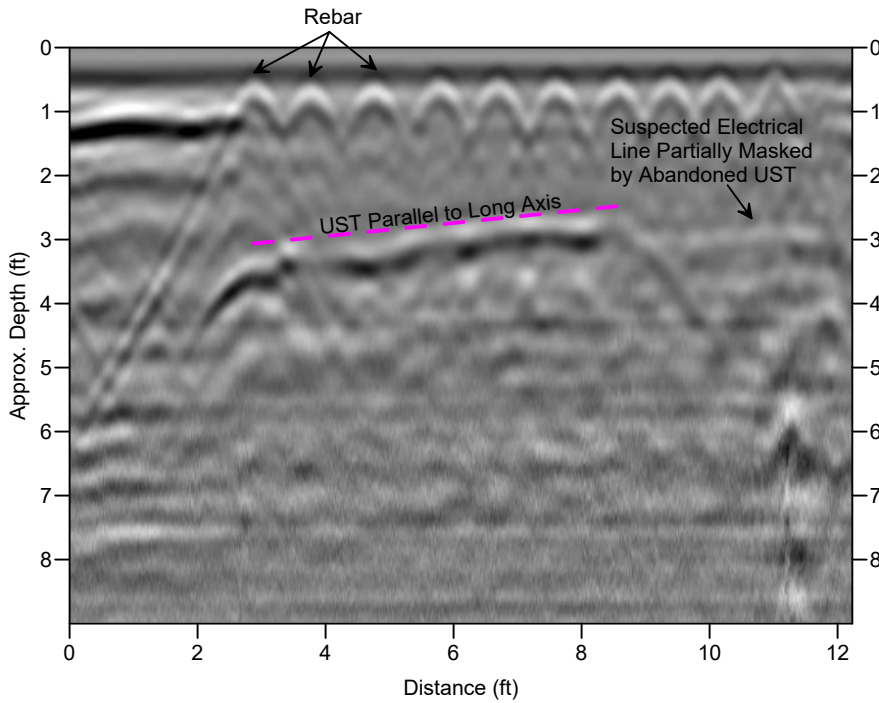
- 1) Ground conductivity EM data were collected with a Geonics EM31-MK2 instrument. EM data were recorded in a 5 ft by 5 ft grid pattern across the survey area. No previously undocumented USTs were identified within the geophysical survey area.
- 2) This work was not completed by a licensed surveyor, and locations of items shown should be considered approximate, and for illustrative purposes only. The items shown on this figure may not be all inclusive. AGS does not warrant the fact that additional buried features/utilities may be present which could not be identified by AGS personnel during this investigation.

 <p><b>ADVANCED GEOLOGICAL SERVICES</b></p> <p>1605 School Street, Suite 4 Moraga, CA 94556</p>	<p>Contoured Ground Conductivity Electromagnetic (EM) Results</p>	
	<p>LOCATION: 412 West Miner Street Yreka, California</p>	
<p>Project #: 21-100-1CA</p>	<p>Client: Geocon Consultants, Inc.</p>	<p><b>FIGURE</b> <b>2</b></p>
<p>Date: 11/12/2021</p>	<p>ADVANCED GEOLOGICAL SERVICES, INC.</p>	
	<p>Drawn By: D Jagel</p>	<p>Approved By: D Jagel</p>




Photograph Showing Location of Abandoned UST Beneath AC Units

Note: The abandoned UST is estimated to be approximately 4 feet in diameter and 6 feet long (about 550 gallons), and is buried approximately 3 feet below grade. The angle of the photograph distorts the UST dimensions.



GPR Image Parallel to the Long Axis of the Abandoned UST

 <p>1605 School Street, Suite 4 Moraga, CA 94556</p>	Photograph Showing the Location of the Abandoned UST on the East Side of the Building and a Representative GPR Image Parallel to the Length of the UST	
	LOCATION: 412 West Miner Street Yreka, California	
Project #: 21-100-1CA	Client: Geocon Consultants, Inc.	<b>FIGURE</b> <b>3</b>
Date: 11/12/2021	Drawn By: D Jagel Approved By: D Jagel	

APPENDIX

A solid green triangle pointing to the left, containing the letter 'E' in white.

E

PROJECT NO. **S1894-07-05A**

PROJECT NAME **Yreka Brownfields- Carnegie Library**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	<b>BORING NO. B1</b>		SOIL (USCS)	PID (PPM)
				DATE DRILLED <u>2/16/22</u>	WATER LEVEL (ATD) <u>Not Encountered</u>		
				EQUIPMENT <u>                    </u>	GEOPROBE <u>                    </u>	CONTRACTOR <u>PENECORE</u>	
SOIL DESCRIPTION							
1				<b>CONCRETE SURFACE</b> Concrete approximately 4 inches			
2				<b>FILL</b> Loose, dry, dark gray, GRAVEL with coarse sand; no odor or staining - at 1.5 feet changes to brown clay with gravel and sand - brick fragments throughout fill			0.0
3							
4							
5		B1-4.5		<b>ALLUVIUM</b> Dense, dry, yellowish brown 10YR 5/6, fine SAND with gravel and silt; no odor or staining  - low recovery because of gravel			0.0
6							
7		B1-7.0					0.0
8							
9							
10							
11							
12							
13		B1-13					
14							
15				Soft, moist, dark yellowish brown 10YR 3/4, sandy SILT with gravel; no odor or staining  - red mottling			0.0
16							
17							
18							
19		B1-19.5					
20							
21							
22							0.0
23							
24							
				BORING TERMINATED AT 24.5 FEET, REFUSAL Groundwater not encountered			

Log of Boring B1, page 1 of 1


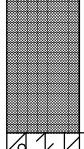



ENV\_NO\_WELL YREKA CARNEGIE LIBRARY.GPJ 05/25/22

BORING ELEVATION: <b>Unknown</b>	ENGINEER/GEOLOGIST: <b>Nicole Hastings</b>
----------------------------------	--

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S1894-07-05A**

PROJECT NAME **Yreka Brownfields- Carnegie Library**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	<b>BORING NO. B2</b>		SOIL (USCS)	PID (PPM)
				DATE DRILLED <u>2/16/22</u>	WATER LEVEL (ATD) <u>Not Encountered</u>		
				EQUIPMENT <u>                    </u>	GEOPROBE <u>                    </u>	CONTRACTOR <u>PENECORE</u>	
<b>SOIL DESCRIPTION</b>							
1				<b>CONCRETE SURFACE</b> Concrete approximately 4 inches			
2				<b>FILL</b> Loose, moist (likely from water used for coring), brown, sandy GRAVEL; no odor or staining			
3				- at 3.5 feet changes to brown silty SAND with some gravel			
4				- few brick fragments throughout fill			0.0
5		B2-4.5		<b>ALLUVIUM</b> Stiff, moist, dark yellowish brown 10YR 4/3, clayey SILT; no odor or staining			0.0
6		B2-5.5					
7							
8							0.0
9							
10		B2-9.5		Stiff, dark yellowish brown, coarse sandy SILT with gray gravel; no odor or staining			0.0
11							
12							
13				- red and gray gravel			
14							
15							0.0
16							
17							
18							
19							
20							
21							
22							
23		B2-22.5		<b>BORING TERMINATED AT 23 FEET, REFUSAL</b> Groundwater not encountered			0.0

Log of Boring B2, page 1 of 1

ENV\_NO\_WELL\_YREKA\_CARNEGIE\_LIBRARY.GPJ 05/25/22

BORING ELEVATION: <b>Unknown</b>	ENGINEER/GEOLOGIST: <b>Nicole Hastings</b>
----------------------------------	--

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.



PROJECT NO. **S1894-07-05A**

PROJECT NAME **Yreka Brownfields- Carnegie Library**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	<b>BORING NO. B3</b>		SOIL (USCS)	PID (PPM)
				DATE DRILLED <u>2/16/22</u>	WATER LEVEL (ATD) <u>Not Encountered</u>		
				EQUIPMENT <u>                    </u>	GEOPROBE <u>                    </u>	CONTRACTOR <u>PENECORE</u>	
<b>SOIL DESCRIPTION</b>							
1				<b>CONCRETE SURFACE</b> Concrete approximately 4 inches			
2				<b>FILL</b> Loose, moist (likely from water used for coring), brown, sandy GRAVEL; no odor or staining - at 3.5 feet changes to brown silty SAND - brick fragments throughout fill			
3							
4							0.0
5		B3-4.5		<b>ALLUVIUM</b> Stiff, moist, dark yellowish brown 10YR 4/3, clayey SILT; no odor or staining			
6		B3-6.0					
7							0.0
8							
9							
10		B3-9.5					
11				Stiff, moist, dark yellowish brown, coarse sandy SILT with gray gravel; no odor or staining			
12							
13				- red and gray gravel			0.0
14							
15							
16							
17							0.0
18							
19							
20							
21							
22							0.0
23		B3-22.5		<b>BORING TERMINATED AT 23 FEET, REFUSAL</b> Groundwater not encountered			

Log of Boring B3, page 1 of 1

ENV\_NO\_WELL\_YREKA\_CARNegie\_LIBRARY.GPJ 05/25/22

BORING ELEVATION: <b>Unknown</b>	ENGINEER/GEOLOGIST: <b>Nicole Hastings</b>
----------------------------------	--

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX



April 20, 2022

Nicole Hastings-Bethel  
Geocon Consultants, Inc.  
3160 Gold Valley Drive, Suite 800  
Rancho Cordova, CA 95742

TEL: (916) 852-9118

FAX: (916) 852-9132

Workorder No.: N049503

RE: Yreka Carnegie Library, S1894-07-05A

Attention: Nicole Hastings-Bethel

Enclosed are the results for sample(s) received on February 18, 2022 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Nancy Sibucan  
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - Las Vegas.



*"Serving Clients with Passion and Professionalism"*

CALIFORNIA | P: 562.219.7435 F: 562.219.7436  
11110 Artesia Blvd., Ste B, Cerritos, CA 90703  
ELAP Cert 2921  
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691  
3151 W. Post Rd., Las Vegas, NV 89118  
ELAP Cert 2676 | NV Cert NV00922  
ORELAP/NELAP Cert 4046

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**CLIENT:** Geocon Consultants, Inc.  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab Order:** N049503

---

**CASE NARRATIVE****SAMPLE RECEIVING/GENERAL COMMENTS:**

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

**Analytical Comments for EPA 8260B:**

Laboratory Control Sample (LCS) recovery biased high for some analytes. Sample results were non-detect (ND) for these analytes therefore reanalysis of the samples was not necessary.

RPD and recovery of Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside criteria for some analytes in QC samples N049507-001-MS-MSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

**Analytical Comments for EPA 6010B:**

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are outside recovery criteria for some analytes in QC samples N049503-001A-MS/MSD possibly due to matrix interference. The associated Laboratory Control Sample (LCS) recovery was acceptable.

**Analytical Comments for EPA 8015B:**

Samples do not contain hydrocarbons within the kerosene range (C9-C18). Quantitation was based on a diesel standard.



**CLIENT:** Geocon Consultants, Inc.  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab Order:** N049503  
**Contract No:**

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N049503-001A	B1-4.5	Solid	2/16/2022 8:58:00 AM	2/18/2022	4/20/2022
N049503-002A	B1-7	Solid	2/16/2022 9:10:00 AM	2/18/2022	4/20/2022
N049503-003A	B1-19.5	Solid	2/16/2022 9:40:00 AM	2/18/2022	4/20/2022
N049503-004A	B2-4.5	Solid	2/16/2022 10:07:00 AM	2/18/2022	4/20/2022
N049503-005A	B2-5.5	Solid	2/16/2022 10:12:00 AM	2/18/2022	4/20/2022
N049503-006A	B2-9.5	Solid	2/16/2022 10:14:00 AM	2/18/2022	4/20/2022
N049503-007A	B2-22.5	Solid	2/16/2022 10:20:00 AM	2/18/2022	4/20/2022
N049503-008A	B2-32	Solid	2/16/2022 10:25:00 AM	2/18/2022	4/20/2022
N049503-009A	B3-4.5	Solid	2/16/2022 10:34:00 AM	2/18/2022	4/20/2022
N049503-010A	B3-6.0	Solid	2/16/2022 10:38:00 AM	2/18/2022	4/20/2022
N049503-011A	B3-9.5	Solid	2/16/2022 10:40:00 AM	2/18/2022	4/20/2022
N049503-012A	B3-22.5	Solid	2/16/2022 10:48:00 AM	2/18/2022	4/20/2022



**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-4.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 8:58:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 07:12 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 07:12 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-4.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 8:58:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 07:12 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 07:12 PM
Surr: 1,2-Dichloroethane-d4	112	62-165	%REC	1	2/19/2022 07:12 PM
Surr: 4-Bromofluorobenzene	100	71-125	%REC	1	2/19/2022 07:12 PM
Surr: Dibromofluoromethane	112	74-143	%REC	1	2/19/2022 07:12 PM
Surr: Toluene-d8	109	80-120	%REC	1	2/19/2022 07:12 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220221A	QC Batch: 91583	PrepDate: 2/21/2022	Analyst: MCC		
DRO	ND	10	mg/Kg	1	2/22/2022 09:35 AM
ORO	ND	10	mg/Kg	1	2/22/2022 09:35 AM
Surr: p-Terphenyl	77.8	46-158	%REC	1	2/22/2022 09:35 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-001

**Client Sample ID:** B1-4.5  
**Collection Date:** 2/16/2022 8:58:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220221A	QC Batch: 91583				PrepDate: 2/21/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	10		mg/Kg	1	2/22/2022 09:35 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	16		µg/Kg	1	2/22/2022 11:33 PM
Aroclor 1221	ND	33		µg/Kg	1	2/22/2022 11:33 PM
Aroclor 1232	ND	16		µg/Kg	1	2/22/2022 11:33 PM
Aroclor 1242	ND	16		µg/Kg	1	2/22/2022 11:33 PM
Aroclor 1248	ND	16		µg/Kg	1	2/22/2022 11:33 PM
Aroclor 1254	ND	16		µg/Kg	1	2/22/2022 11:33 PM
Aroclor 1260	ND	16		µg/Kg	1	2/22/2022 11:33 PM
Surr: Decachlorobiphenyl	85.2	30-120		%REC	1	2/22/2022 11:33 PM
Surr: Tetrachloro-m-xylene	79.9	26-120		%REC	1	2/22/2022 11:33 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 12:47 PM
Surr: Chlorobenzene - d5	105	54-144		%REC	1	2/18/2022 12:47 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 09:32 PM
Chromium	130	1.0		mg/Kg	1	2/19/2022 09:32 PM
Lead	2.5	1.0		mg/Kg	1	2/19/2022 09:32 PM
Nickel	130	1.0		mg/Kg	1	2/19/2022 09:32 PM
Zinc	54	1.0		mg/Kg	1	2/19/2022 09:32 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-7
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 9:10:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	NV00922-MS5_220219A	QC Batch:	P22VS021	PrepDate:	Analyst: DJ
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 06:46 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 06:46 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-7
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 9:10:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 06:46 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 06:46 PM
Surr: 1,2-Dichloroethane-d4	109	62-165	%REC	1	2/19/2022 06:46 PM
Surr: 4-Bromofluorobenzene	103	71-125	%REC	1	2/19/2022 06:46 PM
Surr: Dibromofluoromethane	112	74-143	%REC	1	2/19/2022 06:46 PM
Surr: Toluene-d8	105	80-120	%REC	1	2/19/2022 06:46 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	10	mg/Kg	1	2/18/2022 11:30 PM
ORO	ND	10	mg/Kg	1	2/18/2022 11:30 PM
Surr: p-Terphenyl	91.5	46-158	%REC	1	2/18/2022 11:30 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-002

**Client Sample ID:** B1-7  
**Collection Date:** 2/16/2022 9:10:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1\_220217D      QC Batch: 91561      PrepDate: 2/18/2022      Analyst: **MCC**  
 T/R Hydrocarbons: C9-C18      ND      10      mg/Kg      1      2/18/2022 11:30 PM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13\_220222C      QC Batch: 91592      PrepDate: 2/22/2022      Analyst: **HG**

Aroclor 1016	ND	17	µg/Kg	1	2/23/2022 12:43 AM
Aroclor 1221	ND	33	µg/Kg	1	2/23/2022 12:43 AM
Aroclor 1232	ND	17	µg/Kg	1	2/23/2022 12:43 AM
Aroclor 1242	ND	17	µg/Kg	1	2/23/2022 12:43 AM
Aroclor 1248	ND	17	µg/Kg	1	2/23/2022 12:43 AM
Aroclor 1254	ND	17	µg/Kg	1	2/23/2022 12:43 AM
Aroclor 1260	ND	17	µg/Kg	1	2/23/2022 12:43 AM
Surr: Decachlorobiphenyl	85.3	30-120	%REC	1	2/23/2022 12:43 AM
Surr: Tetrachloro-m-xylene	83.9	26-120	%REC	1	2/23/2022 12:43 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12\_220218A      QC Batch: Q22VS031      PrepDate:      Analyst: **DJ**

GRO	ND	1.0	mg/Kg	1	2/18/2022 02:23 PM
Surr: Chlorobenzene - d5	111	54-144	%REC	1	2/18/2022 02:23 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2\_220219E      QC Batch: 91551      PrepDate: 2/18/2022      Analyst: **DJ**

Cadmium	ND	1.0	mg/Kg	1	2/19/2022 10:07 PM
Chromium	130	1.0	mg/Kg	1	2/19/2022 10:07 PM
Lead	1.1	1.0	mg/Kg	1	2/19/2022 10:07 PM
Nickel	160	1.0	mg/Kg	1	2/19/2022 10:07 PM
Zinc	67	1.0	mg/Kg	1	2/19/2022 10:07 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B1-19.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 9:40:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	NV00922-MS5_220228B	QC Batch:	P22VS026	PrepDate:	Analyst:	DJ
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	3/1/2022	01:56 AM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
2-Butanone	ND	50	µg/Kg	1	3/1/2022	01:56 AM
2-Chlorotoluene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
4-Chlorotoluene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Benzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Bromobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Bromodichloromethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Bromoform	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Bromomethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Carbon tetrachloride	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Chlorobenzene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Chloroethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Chloroform	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
Chloromethane	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	3/1/2022	01:56 AM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b> Geocon Consultants, Inc.	<b>Client Sample ID:</b> B1-19.5
<b>Lab Order:</b> N049503	<b>Collection Date:</b> 2/16/2022 9:40:00 AM
<b>Project:</b> Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b> SOLID
<b>Lab ID:</b> N049503-003	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220228B	QC Batch: P22VS026	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Dibromochloromethane	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Dibromomethane	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Ethylbenzene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Freon-113	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Isopropylbenzene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
m,p-Xylene	ND	10	µg/Kg	1	3/1/2022 01:56 AM
Methylene chloride	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
MTBE	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
n-Butylbenzene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
n-Propylbenzene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Naphthalene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
o-Xylene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
sec-Butylbenzene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Styrene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
tert-Butylbenzene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Tetrachloroethene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Toluene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Trichloroethene	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Vinyl chloride	ND	5.0	µg/Kg	1	3/1/2022 01:56 AM
Surr: 1,2-Dichloroethane-d4	114	62-165	%REC	1	3/1/2022 01:56 AM
Surr: 4-Bromofluorobenzene	105	71-125	%REC	1	3/1/2022 01:56 AM
Surr: Dibromofluoromethane	113	74-143	%REC	1	3/1/2022 01:56 AM
Surr: Toluene-d8	103	80-120	%REC	1	3/1/2022 01:56 AM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	9.9	mg/Kg	1	2/18/2022 05:32 PM
ORO	ND	9.9	mg/Kg	1	2/18/2022 05:32 PM
Surr: p-Terphenyl	95.1	46-158	%REC	1	2/18/2022 05:32 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-003

**Client Sample ID:** B1-19.5  
**Collection Date:** 2/16/2022 9:40:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	9.9		mg/Kg	1	2/18/2022 05:32 PM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	16		µg/Kg	1	2/23/2022 01:05 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 01:05 AM
Aroclor 1232	ND	16		µg/Kg	1	2/23/2022 01:05 AM
Aroclor 1242	ND	16		µg/Kg	1	2/23/2022 01:05 AM
Aroclor 1248	ND	16		µg/Kg	1	2/23/2022 01:05 AM
Aroclor 1254	ND	16		µg/Kg	1	2/23/2022 01:05 AM
Aroclor 1260	ND	16		µg/Kg	1	2/23/2022 01:05 AM
Surr: Decachlorobiphenyl	86.8	30-120		%REC	1	2/23/2022 01:05 AM
Surr: Tetrachloro-m-xylene	81.3	26-120		%REC	1	2/23/2022 01:05 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 02:55 PM
Surr: Chlorobenzene - d5	105	54-144		%REC	1	2/18/2022 02:55 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 10:13 PM
Chromium	160	1.0		mg/Kg	1	2/19/2022 10:13 PM
Lead	1.7	1.0		mg/Kg	1	2/19/2022 10:13 PM
Nickel	400	1.0		mg/Kg	1	2/19/2022 10:13 PM
Zinc	34	1.0		mg/Kg	1	2/19/2022 10:13 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 S Spike/Surrogate outside of limits due to matrix interference  
 DO Surrogate Diluted Out  
 E Value above quantitation range  
 ND Not Detected at the Reporting Limit  
 Results are wet unless otherwise specified



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b> Geocon Consultants, Inc.	<b>Client Sample ID:</b> B2-4.5
<b>Lab Order:</b> N049503	<b>Collection Date:</b> 2/16/2022 10:07:00 AM
<b>Project:</b> Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b> SOLID
<b>Lab ID:</b> N049503-004	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 08:06 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 08:06 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-4.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:07:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 08:06 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 08:06 PM
Surr: 1,2-Dichloroethane-d4	116	62-165	%REC	1	2/19/2022 08:06 PM
Surr: 4-Bromofluorobenzene	104	71-125	%REC	1	2/19/2022 08:06 PM
Surr: Dibromofluoromethane	119	74-143	%REC	1	2/19/2022 08:06 PM
Surr: Toluene-d8	108	80-120	%REC	1	2/19/2022 08:06 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	9.9	mg/Kg	1	2/19/2022 12:30 AM
ORO	ND	9.9	mg/Kg	1	2/19/2022 12:30 AM
Surr: p-Terphenyl	93.7	46-158	%REC	1	2/19/2022 12:30 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-004

**Client Sample ID:** B2-4.5  
**Collection Date:** 2/16/2022 10:07:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	9.9		mg/Kg	1	2/19/2022 12:30 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	17		µg/Kg	1	2/23/2022 01:28 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 01:28 AM
Aroclor 1232	ND	17		µg/Kg	1	2/23/2022 01:28 AM
Aroclor 1242	ND	17		µg/Kg	1	2/23/2022 01:28 AM
Aroclor 1248	ND	17		µg/Kg	1	2/23/2022 01:28 AM
Aroclor 1254	ND	17		µg/Kg	1	2/23/2022 01:28 AM
Aroclor 1260	ND	17		µg/Kg	1	2/23/2022 01:28 AM
Surr: Decachlorobiphenyl	83.4	30-120		%REC	1	2/23/2022 01:28 AM
Surr: Tetrachloro-m-xylene	76.9	26-120		%REC	1	2/23/2022 01:28 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 03:28 PM
Surr: Chlorobenzene - d5	102	54-144		%REC	1	2/18/2022 03:28 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 10:19 PM
Chromium	120	1.0		mg/Kg	1	2/19/2022 10:19 PM
Lead	2.9	1.0		mg/Kg	1	2/19/2022 10:19 PM
Nickel	120	1.0		mg/Kg	1	2/19/2022 10:19 PM
Zinc	56	1.0		mg/Kg	1	2/19/2022 10:19 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-5.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:12:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 08:33 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 08:33 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-5.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:12:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 08:33 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 08:33 PM
Surr: 1,2-Dichloroethane-d4	111	62-165	%REC	1	2/19/2022 08:33 PM
Surr: 4-Bromofluorobenzene	97.9	71-125	%REC	1	2/19/2022 08:33 PM
Surr: Dibromofluoromethane	112	74-143	%REC	1	2/19/2022 08:33 PM
Surr: Toluene-d8	114	80-120	%REC	1	2/19/2022 08:33 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	10	mg/Kg	1	2/19/2022 01:30 AM
ORO	ND	10	mg/Kg	1	2/19/2022 01:30 AM
Surr: p-Terphenyl	87.1	46-158	%REC	1	2/19/2022 01:30 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-005

**Client Sample ID:** B2-5.5  
**Collection Date:** 2/16/2022 10:12:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	10		mg/Kg	1	2/19/2022 01:30 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	17		µg/Kg	1	2/23/2022 01:51 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 01:51 AM
Aroclor 1232	ND	17		µg/Kg	1	2/23/2022 01:51 AM
Aroclor 1242	ND	17		µg/Kg	1	2/23/2022 01:51 AM
Aroclor 1248	ND	17		µg/Kg	1	2/23/2022 01:51 AM
Aroclor 1254	ND	17		µg/Kg	1	2/23/2022 01:51 AM
Aroclor 1260	ND	17		µg/Kg	1	2/23/2022 01:51 AM
Surr: Decachlorobiphenyl	85.0	30-120		%REC	1	2/23/2022 01:51 AM
Surr: Tetrachloro-m-xylene	77.7	26-120		%REC	1	2/23/2022 01:51 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 04:00 PM
Surr: Chlorobenzene - d5	97.8	54-144		%REC	1	2/18/2022 04:00 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 10:50 PM
Chromium	170	1.0		mg/Kg	1	2/19/2022 10:50 PM
Lead	1.8	1.0		mg/Kg	1	2/19/2022 10:50 PM
Nickel	180	1.0		mg/Kg	1	2/19/2022 10:50 PM
Zinc	55	1.0		mg/Kg	1	2/19/2022 10:50 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-9.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:14:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 09:00 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 09:00 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-9.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:14:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-006		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 09:00 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 09:00 PM
Surr: 1,2-Dichloroethane-d4	113	62-165	%REC	1	2/19/2022 09:00 PM
Surr: 4-Bromofluorobenzene	98.4	71-125	%REC	1	2/19/2022 09:00 PM
Surr: Dibromofluoromethane	114	74-143	%REC	1	2/19/2022 09:00 PM
Surr: Toluene-d8	110	80-120	%REC	1	2/19/2022 09:00 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	9.9	mg/Kg	1	2/19/2022 01:59 AM
ORO	ND	9.9	mg/Kg	1	2/19/2022 01:59 AM
Surr: p-Terphenyl	90.8	46-158	%REC	1	2/19/2022 01:59 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b> Geocon Consultants, Inc.	<b>Client Sample ID:</b> B2-9.5
<b>Lab Order:</b> N049503	<b>Collection Date:</b> 2/16/2022 10:14:00 AM
<b>Project:</b> Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b> SOLID
<b>Lab ID:</b> N049503-006	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	9.9	mg/Kg
		1	2/19/2022 01:59 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592	PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	17	µg/Kg
Aroclor 1221	ND	33	µg/Kg
Aroclor 1232	ND	17	µg/Kg
Aroclor 1242	ND	17	µg/Kg
Aroclor 1248	ND	17	µg/Kg
Aroclor 1254	ND	17	µg/Kg
Aroclor 1260	ND	17	µg/Kg
Surr: Decachlorobiphenyl	79.8	30-120	%REC
Surr: Tetrachloro-m-xylene	78.0	26-120	%REC

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031	PrepDate:	Analyst: DJ
GRO	ND	1.0	mg/Kg
Surr: Chlorobenzene - d5	102	54-144	%REC

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551	PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0	mg/Kg
Chromium	230	1.0	mg/Kg
Lead	ND	1.0	mg/Kg
Nickel	220	1.0	mg/Kg
Zinc	63	1.0	mg/Kg

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-22.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:20:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 09:27 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 09:27 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-22.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:20:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-007		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 09:27 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 09:27 PM
Surr: 1,2-Dichloroethane-d4	109	62-165	%REC	1	2/19/2022 09:27 PM
Surr: 4-Bromofluorobenzene	97.2	71-125	%REC	1	2/19/2022 09:27 PM
Surr: Dibromofluoromethane	111	74-143	%REC	1	2/19/2022 09:27 PM
Surr: Toluene-d8	109	80-120	%REC	1	2/19/2022 09:27 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	10	mg/Kg	1	2/19/2022 02:29 AM
ORO	ND	10	mg/Kg	1	2/19/2022 02:29 AM
Surr: p-Terphenyl	88.7	46-158	%REC	1	2/19/2022 02:29 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-007

**Client Sample ID:** B2-22.5  
**Collection Date:** 2/16/2022 10:20:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	10		mg/Kg	1	2/19/2022 02:29 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	16		µg/Kg	1	2/23/2022 02:37 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 02:37 AM
Aroclor 1232	ND	16		µg/Kg	1	2/23/2022 02:37 AM
Aroclor 1242	ND	16		µg/Kg	1	2/23/2022 02:37 AM
Aroclor 1248	ND	16		µg/Kg	1	2/23/2022 02:37 AM
Aroclor 1254	ND	16		µg/Kg	1	2/23/2022 02:37 AM
Aroclor 1260	ND	16		µg/Kg	1	2/23/2022 02:37 AM
Surr: Decachlorobiphenyl	60.9	30-120		%REC	1	2/23/2022 02:37 AM
Surr: Tetrachloro-m-xylene	50.5	26-120		%REC	1	2/23/2022 02:37 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 05:05 PM
Surr: Chlorobenzene - d5	97.4	54-144		%REC	1	2/18/2022 05:05 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 11:02 PM
Chromium	250	1.0		mg/Kg	1	2/19/2022 11:02 PM
Lead	ND	1.0		mg/Kg	1	2/19/2022 11:02 PM
Nickel	750	1.0		mg/Kg	1	2/19/2022 11:02 PM
Zinc	38	1.0		mg/Kg	1	2/19/2022 11:02 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B2-32
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:25:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-008		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 09:54 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 09:54 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ASSET Laboratories**

**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b> Geocon Consultants, Inc.	<b>Client Sample ID:</b> B2-32
<b>Lab Order:</b> N049503	<b>Collection Date:</b> 2/16/2022 10:25:00 AM
<b>Project:</b> Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b> SOLID
<b>Lab ID:</b> N049503-008	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 09:54 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 09:54 PM
Surr: 1,2-Dichloroethane-d4	110	62-165	%REC	1	2/19/2022 09:54 PM
Surr: 4-Bromofluorobenzene	99.8	71-125	%REC	1	2/19/2022 09:54 PM
Surr: Dibromofluoromethane	117	74-143	%REC	1	2/19/2022 09:54 PM
Surr: Toluene-d8	111	80-120	%REC	1	2/19/2022 09:54 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	10	mg/Kg	1	2/19/2022 02:59 AM
ORO	ND	10	mg/Kg	1	2/19/2022 02:59 AM
Surr: p-Terphenyl	90.5	46-158	%REC	1	2/19/2022 02:59 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-008

**Client Sample ID:** B2-32  
**Collection Date:** 2/16/2022 10:25:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	10		mg/Kg	1	2/19/2022 02:59 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	17		µg/Kg	1	2/23/2022 03:00 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 03:00 AM
Aroclor 1232	ND	17		µg/Kg	1	2/23/2022 03:00 AM
Aroclor 1242	ND	17		µg/Kg	1	2/23/2022 03:00 AM
Aroclor 1248	ND	17		µg/Kg	1	2/23/2022 03:00 AM
Aroclor 1254	ND	17		µg/Kg	1	2/23/2022 03:00 AM
Aroclor 1260	ND	17		µg/Kg	1	2/23/2022 03:00 AM
Surr: Decachlorobiphenyl	93.3	30-120		%REC	1	2/23/2022 03:00 AM
Surr: Tetrachloro-m-xylene	87.2	26-120		%REC	1	2/23/2022 03:00 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 06:18 PM
Surr: Chlorobenzene - d5	102	54-144		%REC	1	2/18/2022 06:18 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 11:09 PM
Chromium	300	1.0		mg/Kg	1	2/19/2022 11:09 PM
Lead	1.5	1.0		mg/Kg	1	2/19/2022 11:09 PM
Nickel	920	1.0		mg/Kg	1	2/19/2022 11:09 PM
Zinc	31	1.0		mg/Kg	1	2/19/2022 11:09 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-4.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:34:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 10:21 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 10:21 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b> Geocon Consultants, Inc.	<b>Client Sample ID:</b> B3-4.5
<b>Lab Order:</b> N049503	<b>Collection Date:</b> 2/16/2022 10:34:00 AM
<b>Project:</b> Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b> SOLID
<b>Lab ID:</b> N049503-009	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 10:21 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 10:21 PM
Surr: 1,2-Dichloroethane-d4	117	62-165	%REC	1	2/19/2022 10:21 PM
Surr: 4-Bromofluorobenzene	102	71-125	%REC	1	2/19/2022 10:21 PM
Surr: Dibromofluoromethane	121	74-143	%REC	1	2/19/2022 10:21 PM
Surr: Toluene-d8	107	80-120	%REC	1	2/19/2022 10:21 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	10	mg/Kg	1	2/19/2022 03:29 AM
ORO	ND	10	mg/Kg	1	2/19/2022 03:29 AM
Surr: p-Terphenyl	94.3	46-158	%REC	1	2/19/2022 03:29 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-009

**Client Sample ID:** B3-4.5  
**Collection Date:** 2/16/2022 10:34:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	10		mg/Kg	1	2/19/2022 03:29 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	16		µg/Kg	1	2/23/2022 03:23 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 03:23 AM
Aroclor 1232	ND	16		µg/Kg	1	2/23/2022 03:23 AM
Aroclor 1242	ND	16		µg/Kg	1	2/23/2022 03:23 AM
Aroclor 1248	ND	16		µg/Kg	1	2/23/2022 03:23 AM
Aroclor 1254	ND	16		µg/Kg	1	2/23/2022 03:23 AM
Aroclor 1260	ND	16		µg/Kg	1	2/23/2022 03:23 AM
Surr: Decachlorobiphenyl	86.5	30-120		%REC	1	2/23/2022 03:23 AM
Surr: Tetrachloro-m-xylene	82.4	26-120		%REC	1	2/23/2022 03:23 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 06:50 PM
Surr: Chlorobenzene - d5	96.5	54-144		%REC	1	2/18/2022 06:50 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 11:15 PM
Chromium	130	1.0		mg/Kg	1	2/19/2022 11:15 PM
Lead	2.7	1.0		mg/Kg	1	2/19/2022 11:15 PM
Nickel	140	1.0		mg/Kg	1	2/19/2022 11:15 PM
Zinc	53	1.0		mg/Kg	1	2/19/2022 11:15 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-6.0
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:38:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 10:47 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 10:47 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-6.0
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:38:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 10:47 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 10:47 PM
Surr: 1,2-Dichloroethane-d4	114	62-165	%REC	1	2/19/2022 10:47 PM
Surr: 4-Bromofluorobenzene	102	71-125	%REC	1	2/19/2022 10:47 PM
Surr: Dibromofluoromethane	120	74-143	%REC	1	2/19/2022 10:47 PM
Surr: Toluene-d8	110	80-120	%REC	1	2/19/2022 10:47 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	9.9	mg/Kg	1	2/19/2022 03:59 AM
ORO	ND	9.9	mg/Kg	1	2/19/2022 03:59 AM
Surr: p-Terphenyl	84.3	46-158	%REC	1	2/19/2022 03:59 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-010

**Client Sample ID:** B3-6.0  
**Collection Date:** 2/16/2022 10:38:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1\_220217D      QC Batch: 91561      PrepDate: 2/18/2022      Analyst: **MCC**  
 T/R Hydrocarbons: C9-C18      ND      9.9      mg/Kg      1      2/19/2022 03:59 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13\_220222C      QC Batch: 91592      PrepDate: 2/22/2022      Analyst: **HG**

Aroclor 1016	ND	16	µg/Kg	1	2/23/2022 03:45 AM
Aroclor 1221	ND	33	µg/Kg	1	2/23/2022 03:45 AM
Aroclor 1232	ND	16	µg/Kg	1	2/23/2022 03:45 AM
Aroclor 1242	ND	16	µg/Kg	1	2/23/2022 03:45 AM
Aroclor 1248	ND	16	µg/Kg	1	2/23/2022 03:45 AM
Aroclor 1254	ND	16	µg/Kg	1	2/23/2022 03:45 AM
Aroclor 1260	ND	16	µg/Kg	1	2/23/2022 03:45 AM
Surr: Decachlorobiphenyl	83.7	30-120	%REC	1	2/23/2022 03:45 AM
Surr: Tetrachloro-m-xylene	76.5	26-120	%REC	1	2/23/2022 03:45 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12\_220218A      QC Batch: Q22VS031      PrepDate:      Analyst: **DJ**  
 GRO      ND      1.0      mg/Kg      1      2/18/2022 07:22 PM  
 Surr: Chlorobenzene - d5      89.4      54-144      %REC      1      2/18/2022 07:22 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2\_220219E      QC Batch: 91551      PrepDate: 2/18/2022      Analyst: **DJ**

Cadmium	ND	1.0	mg/Kg	1	2/19/2022 11:22 PM
Chromium	140	1.0	mg/Kg	1	2/19/2022 11:22 PM
Lead	1.8	1.0	mg/Kg	1	2/19/2022 11:22 PM
Nickel	180	1.0	mg/Kg	1	2/19/2022 11:22 PM
Zinc	71	1.0	mg/Kg	1	2/19/2022 11:22 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-22.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:48:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
1,1,1,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,1,1-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,1,2,2-Tetrachloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,1,2-Trichloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,1-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,1-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,1-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2,3-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2,3-Trichloropropane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2,4-Trichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2,4-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2-Dibromo-3-chloropropane	ND	10	µg/Kg	1	2/19/2022 11:41 PM
1,2-Dibromoethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2-Dichloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,3-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,3-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
1,4-Dichlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
2,2-Dichloropropane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
2-Butanone	ND	50	µg/Kg	1	2/19/2022 11:41 PM
2-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
4-Chlorotoluene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
4-Isopropyltoluene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Benzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Bromobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Bromodichloromethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Bromoform	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Bromomethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Carbon tetrachloride	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Chlorobenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Chloroethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Chloroform	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Chloromethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

<b>CLIENT:</b>	Geocon Consultants, Inc.	<b>Client Sample ID:</b>	B3-22.5
<b>Lab Order:</b>	N049503	<b>Collection Date:</b>	2/16/2022 10:48:00 AM
<b>Project:</b>	Yreka Carnegie Library, S1894-07-05A	<b>Matrix:</b>	SOLID
<b>Lab ID:</b>	N049503-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: NV00922-MS5_220219A	QC Batch: P22VS021	PrepDate:	Analyst: DJ		
cis-1,3-Dichloropropene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Dibromochloromethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Dibromomethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Dichlorodifluoromethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Ethylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Freon-113	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Hexachlorobutadiene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Isopropylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
m,p-Xylene	ND	10	µg/Kg	1	2/19/2022 11:41 PM
Methylene chloride	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
MTBE	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
n-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
n-Propylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Naphthalene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
o-Xylene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
sec-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Styrene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
tert-Butylbenzene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Tetrachloroethene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Toluene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
trans-1,2-Dichloroethene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Trichloroethene	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Trichlorofluoromethane	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Vinyl chloride	ND	5.0	µg/Kg	1	2/19/2022 11:41 PM
Surr: 1,2-Dichloroethane-d4	113	62-165	%REC	1	2/19/2022 11:41 PM
Surr: 4-Bromofluorobenzene	97.8	71-125	%REC	1	2/19/2022 11:41 PM
Surr: Dibromofluoromethane	119	74-143	%REC	1	2/19/2022 11:41 PM
Surr: Toluene-d8	108	80-120	%REC	1	2/19/2022 11:41 PM

**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B**

RunID: NV00922-GC1_220217D	QC Batch: 91561	PrepDate: 2/18/2022	Analyst: MCC		
DRO	ND	9.9	mg/Kg	1	2/19/2022 04:28 AM
ORO	ND	9.9	mg/Kg	1	2/19/2022 04:28 AM
Surr: p-Terphenyl	95.0	46-158	%REC	1	2/19/2022 04:28 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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**ANALYTICAL RESULTS**

Print Date: 20-Apr-22

**CLIENT:** Geocon Consultants, Inc.  
**Lab Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A  
**Lab ID:** N049503-012

**Client Sample ID:** B3-22.5  
**Collection Date:** 2/16/2022 10:48:00 AM  
**Matrix:** SOLID

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**HYDROCARBON CHAIN IDENTIFICATION**

**EPA 3550B**

**EPA 8015B(M)**

RunID: NV00922-GC1_220217D	QC Batch: 91561				PrepDate: 2/18/2022	Analyst: MCC
T/R Hydrocarbons: C9-C18	ND	9.9		mg/Kg	1	2/19/2022 04:28 AM

**PCBS BY GC/ECD**

**EPA 3546**

**EPA 8082**

RunID: NV00922-GC13_220222C	QC Batch: 91592				PrepDate: 2/22/2022	Analyst: HG
Aroclor 1016	ND	16		µg/Kg	1	2/23/2022 04:08 AM
Aroclor 1221	ND	33		µg/Kg	1	2/23/2022 04:08 AM
Aroclor 1232	ND	16		µg/Kg	1	2/23/2022 04:08 AM
Aroclor 1242	ND	16		µg/Kg	1	2/23/2022 04:08 AM
Aroclor 1248	ND	16		µg/Kg	1	2/23/2022 04:08 AM
Aroclor 1254	ND	16		µg/Kg	1	2/23/2022 04:08 AM
Aroclor 1260	ND	16		µg/Kg	1	2/23/2022 04:08 AM
Surr: Decachlorobiphenyl	86.6	30-120		%REC	1	2/23/2022 04:08 AM
Surr: Tetrachloro-m-xylene	84.3	26-120		%REC	1	2/23/2022 04:08 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B**

RunID: NV00922-GC12_220218A	QC Batch: Q22VS031				PrepDate:	Analyst: DJ
GRO	ND	1.0		mg/Kg	1	2/18/2022 08:26 PM
Surr: Chlorobenzene - d5	93.6	54-144		%REC	1	2/18/2022 08:26 PM

**TOTAL METALS BY ICP**

**EPA 3050B**

**EPA 6010B**

RunID: NV00922-ICP2_220219E	QC Batch: 91551				PrepDate: 2/18/2022	Analyst: DJ
Cadmium	ND	1.0		mg/Kg	1	2/19/2022 11:28 PM
Chromium	220	1.0		mg/Kg	1	2/19/2022 11:28 PM
Lead	ND	1.0		mg/Kg	1	2/19/2022 11:28 PM
Nickel	440	1.0		mg/Kg	1	2/19/2022 11:28 PM
Zinc	43	1.0		mg/Kg	1	2/19/2022 11:28 PM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



**ASSET LABORATORIES**  
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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*"Serving Clients with Passion and Professionalism"*

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 6010\_S**

Sample ID: <b>MB1-91551</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539619</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	ND	1.0									
Nickel	ND	1.0									
Zinc	ND	1.0									

Sample ID: <b>MB2-91551</b>	SampType: <b>MBLK</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539620</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	ND	1.0									
Nickel	ND	1.0									
Zinc	ND	1.0									

Sample ID: <b>LCS-91551</b>	SampType: <b>LCS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539621</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	27.134	1.0	25.00	0	109	80	120				
Chromium	25.521	1.0	25.00	0	102	80	120				
Lead	25.033	1.0	25.00	0	100	80	120				
Nickel	25.632	1.0	25.00	0	103	80	120				
Zinc	26.728	1.0	25.00	0	107	80	120				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N049503-001A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539626</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	0.561	1.0						0.5021	0	20	
Chromium	141.145	1.0						128.8	9.15	20	
Lead	2.909	1.0						2.464	16.6	20	
Nickel	155.529	1.0						130.5	17.5	20	
Zinc	58.887	1.0						53.63	9.34	20	

Sample ID: <b>N049503-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539628</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	42.690	1.0	24.99	0.5021	169	75	125				S
Chromium	182.076	1.0	24.99	128.8	213	75	125				S
Lead	43.742	1.0	24.99	2.464	165	75	125				S
Nickel	178.987	1.0	24.99	130.5	194	75	125				S
Zinc	96.565	1.0	24.99	53.63	172	75	125				S

Sample ID: <b>N049503-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539629</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	42.557	1.0	25.00	0.5021	168	75	125	42.69	0.314	20	S
Chromium	182.072	1.0	25.00	128.8	213	75	125	182.1	0.00196	20	S
Lead	43.471	1.0	25.00	2.464	164	75	125	43.74	0.620	20	S
Nickel	177.496	1.0	25.00	130.5	188	75	125	179.0	0.836	20	S
Zinc	95.013	1.0	25.00	53.63	166	75	125	96.57	1.62	20	S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 6010\_S**

Sample ID: <b>N049503-012A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539644</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.682	1.0						0.6113	0	20	
Chromium	227.065	1.0						219.3	3.47	20	
Lead	ND	1.0						0.4200	0	20	
Nickel	496.161	1.0						444.3	11.0	20	
Zinc	43.005	1.0						43.20	0.457	20	

Sample ID: <b>N049503-012A-MS</b>	SampType: <b>MS</b>	TestCode: <b>6010_S</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160348</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91551</b>	TestNo: <b>EPA 6010B EPA 3050B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539645</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	42.114	1.0	24.95	0.6113	166	75	125				S
Chromium	281.236	1.0	24.95	219.3	248	75	125				S
Lead	41.029	1.0	24.95	0.4200	163	75	125				S
Nickel	658.504	1.0	24.95	444.3	859	75	125				S
Zinc	89.461	1.0	24.95	43.20	185	75	125				S

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM H**

Sample ID: <b>MB-91561</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538743</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	6.709	10									
ORO	6.872	10									
Surr: p-Terphenyl	73.646		80.00		92.1	46	158				

Sample ID: <b>MB2-91561</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538744</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	8.711	10									
ORO	9.376	10									
Surr: p-Terphenyl	64.885		80.00		81.1	46	158				

Sample ID: <b>LCS-91561</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538745</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	942.774	10	1000	0	94.3	70	130				
Surr: p-Terphenyl	79.024		80.00		98.8	46	158				

Sample ID: <b>N049503-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538747</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	900.957	9.9	994.0	6.882	89.9	42	157				
Surr: p-Terphenyl	54.553		79.52		68.6	46	158				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM H**

Sample ID: <b>N049503-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538748</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	943.403	10	1000	6.882	93.7	42	157	901.0	4.60	20	
Surr: p-Terphenyl	70.791		80.00		88.5	46	158		0		

Sample ID: <b>N049503-003A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538750</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	884.173	10	995.0	7.363	88.1	42	157				
Surr: p-Terphenyl	75.517		79.60		94.9	46	158				

Sample ID: <b>N049503-002A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4538791</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	7.181	10						7.684	0	20	
ORO	7.939	10						8.166	0	20	
Surr: p-Terphenyl	74.435		80.81		92.1	46	158		0		

Sample ID: <b>N049503-004A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/18/2022</b>	RunNo: <b>160341</b>
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91561</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4538793</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	7.475	10						8.191	0	20	
ORO	7.955	10						7.797	0	20	
Surr: p-Terphenyl	71.571		80.00		89.5	46	158		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM H**

Sample ID: <b>MB-91583</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540660</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	6.642	10									
ORO	5.593	10									
Surr: p-Terphenyl	69.189		80.00		86.5	46	158				

Sample ID: <b>MB2-91583</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540661</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	6.348	10									
ORO	6.001	10									
Surr: p-Terphenyl	70.004		80.00		87.5	46	158				

Sample ID: <b>LCS-91583</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540662</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	912.647	10	1000	0	91.3	70	130				
Surr: p-Terphenyl	68.922		80.00		86.2	46	158				

Sample ID: <b>N049519-035A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540664</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	944.718	9.9	994.0	6.509	94.4	42	157				
Surr: p-Terphenyl	71.501		79.52		89.9	46	158				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM H**

Sample ID: <b>N049519-035A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540665</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	932.941	10	1001	6.509	92.6	42	157	944.7	1.25	20
Surr: p-Terphenyl	72.319		80.08		90.3	46	158		0	

Sample ID: <b>N049520-003A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540667</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	9.473	9.9						9.037	0	20
ORO	9.542	9.9						9.688	0	20
Surr: p-Terphenyl	69.360		79.21		87.6	46	158		0	

Sample ID: <b>N049520-004A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4540669</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	907.899	10	1000	11.48	89.6	42	157			
Surr: p-Terphenyl	68.613		80.00		85.8	46	158			

Sample ID: <b>N049520-005A-DUP</b>	SampType: <b>DUP</b>	TestCode: <b>8015_S_DM H</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4541140</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	9.650	9.9						9.306	0	20
ORO	9.283	9.9						9.656	0	20
Surr: p-Terphenyl	68.755		79.21		86.8	46	158		0	

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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 ELAP Cert 2676 | NV Cert NVO0922  
 ORELAP/NELAP Cert 4046

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015GAS\_S**

Sample ID: <b>Q220218LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>160333</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>Q22VS031</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538500</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.876	1.0	5.000	0	118	73	134				
Surr: Chlorobenzene - d5	107.954		100.0		108	54	144				

Sample ID: <b>Q220218MB</b>	SampType: <b>MBLK</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>160333</b>						
Client ID: <b>PBS</b>	Batch ID: <b>Q22VS031</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538501</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Chlorobenzene - d5	106.574		100.0		107	54	144				

Sample ID: <b>N049503-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>160333</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>Q22VS031</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538503</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.010	1.0	5.000	0	100	31	165				
Surr: Chlorobenzene - d5	103.802		100.0		104	54	144				

Sample ID: <b>N049503-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015GAS_S</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>160333</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>Q22VS031</b>	TestNo: <b>EPA 8015B</b>		Analysis Date: <b>2/18/2022</b>	SeqNo: <b>4538504</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.915	1.0	5.000	0	98.3	31	165	5.010	1.91	20	
Surr: Chlorobenzene - d5	99.505		100.0		99.5	54	144		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082SOIL\_M**

Sample ID: <b>LCS-91592</b>	SampType: <b>LCS</b>	TestCode: <b>8082SOIL_M</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/22/2022</b>	RunNo: <b>160413</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>91592</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3546</b>	Analysis Date: <b>2/22/2022</b>	SeqNo: <b>4543080</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	146.351	16	166.7	0	87.8	40	120				
Aroclor 1260	157.319	16	166.7	0	94.4	48	120				
Surr: Decachlorobiphenyl	14.335		16.67		86.0	30	120				
Surr: Tetrachloro-m-xylene	13.727		16.67		82.3	26	120				

Sample ID: <b>MB-91592</b>	SampType: <b>MBLK</b>	TestCode: <b>8082SOIL_M</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/22/2022</b>	RunNo: <b>160413</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91592</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3546</b>	Analysis Date: <b>2/22/2022</b>	SeqNo: <b>4543081</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Surr: Decachlorobiphenyl	15.037		16.67		90.2	30	120				
Surr: Tetrachloro-m-xylene	14.441		16.67		86.6	26	120				

Sample ID: <b>N049503-001A-MS</b>	SampType: <b>MS</b>	TestCode: <b>8082SOIL_M</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/22/2022</b>	RunNo: <b>160413</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>91592</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3546</b>	Analysis Date: <b>2/22/2022</b>	SeqNo: <b>4543083</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	139.141	16	166.4	0	83.6	21	120				
Aroclor 1260	141.768	16	166.4	0	85.2	22	123				
Surr: Decachlorobiphenyl	13.386		16.65		80.4	30	120				
Surr: Tetrachloro-m-xylene	12.682		16.65		76.2	26	120				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8082SOIL\_M**

Sample ID: <b>N049503-001A-MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8082SOIL_M</b>	Units: <b>µg/Kg</b>	Prep Date: <b>2/22/2022</b>	RunNo: <b>160413</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>91592</b>	TestNo: <b>EPA 8082</b>	<b>EPA 3546</b>	Analysis Date: <b>2/23/2022</b>	SeqNo: <b>4543084</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	146.796	16	166.1	0	88.4	21	120	139.1	5.35	20	
Aroclor 1260	150.082	16	166.1	0	90.3	22	123	141.8	5.70	20	
Surr: Decachlorobiphenyl	13.514		16.61		81.3	30	120		0		
Surr: Tetrachloro-m-xylene	12.726		16.61		76.6	26	120		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220219LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>
Client ID: <b>LCSS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539803</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	44.960	5.0	40.00	0	112	71	132				
1,1,1-Trichloroethane	45.830	5.0	40.00	0	115	76	139				
1,1,2,2-Tetrachloroethane	38.930	5.0	40.00	0	97.3	74	123				
1,1,2-Trichloroethane	43.990	5.0	40.00	0	110	78	118				
1,1-Dichloroethane	43.420	5.0	40.00	0	109	73	129				
1,1-Dichloroethene	46.140	5.0	40.00	0	115	68	127				
1,1-Dichloropropene	45.910	5.0	40.00	0	115	80	133				
1,2,3-Trichlorobenzene	53.360	5.0	40.00	0	133	79	120				S
1,2,3-Trichloropropane	40.040	5.0	40.00	0	100	76	127				
1,2,4-Trichlorobenzene	49.520	5.0	40.00	0	124	78	120				S
1,2,4-Trimethylbenzene	48.280	5.0	40.00	0	121	80	125				
1,2-Dibromo-3-chloropropane	51.540	10	40.00	0	129	60	132				
1,2-Dibromoethane	45.500	5.0	40.00	0	114	69	132				
1,2-Dichlorobenzene	45.790	5.0	40.00	0	114	80	120				
1,2-Dichloroethane	47.020	5.0	40.00	0	118	74	125				
1,2-Dichloropropane	43.230	5.0	40.00	0	108	78	120				
1,3,5-Trimethylbenzene	46.780	5.0	40.00	0	117	80	127				
1,3-Dichlorobenzene	47.260	5.0	40.00	0	118	80	120				
1,3-Dichloropropane	41.290	5.0	40.00	0	103	80	120				
1,4-Dichlorobenzene	44.320	5.0	40.00	0	111	80	120				
2,2-Dichloropropane	50.190	5.0	40.00	0	125	57	158				
2-Butanone	414.480	50	400.0	0	104	44	162				
2-Chlorotoluene	44.100	5.0	40.00	0	110	80	121				
4-Chlorotoluene	43.620	5.0	40.00	0	109	80	123				
4-Isopropyltoluene	47.840	5.0	40.00	0	120	78	125				
Benzene	43.990	5.0	40.00	0	110	80	120				
Bromobenzene	43.010	5.0	40.00	0	108	80	120				
Bromodichloromethane	44.470	5.0	40.00	0	111	72	123				
Bromoform	47.820	5.0	40.00	0	120	68	129				
Bromomethane	52.530	5.0	40.00	0	131	42	155				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



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 ELAP Cert 2921 | ELAP Cert 2676 | NV Cert N000922  
 EPA ID CA01638 | ORELAP/NELAP Cert 4046

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220219LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539803</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	49.260	5.0	40.00	0	123	68	146				
Chlorobenzene	42.350	5.0	40.00	0	106	80	120				
Chloroethane	49.180	5.0	40.00	0	123	55	143				
Chloroform	44.800	5.0	40.00	0	112	76	128				
Chloromethane	46.250	5.0	40.00	0	116	60	132				
cis-1,2-Dichloroethene	44.250	5.0	40.00	0	111	74	122				
cis-1,3-Dichloropropene	44.430	5.0	40.00	0	111	77	126				
Dibromochloromethane	45.170	5.0	40.00	0	113	76	124				
Dibromomethane	44.850	5.0	40.00	0	112	74	121				
Dichlorodifluoromethane	53.930	5.0	40.00	0	135	44	140				
Ethylbenzene	41.720	5.0	40.00	0	104	80	121				
Freon-113	47.260	5.0	40.00	0	118	57	151				
Hexachlorobutadiene	50.030	5.0	40.00	0	125	75	126				
Isopropylbenzene	43.030	5.0	40.00	0	108	80	124				
m,p-Xylene	91.890	10	80.00	0	115	68	147				
Methylene chloride	46.370	5.0	40.00	0	116	66	124				
MTBE	41.080	5.0	40.00	0	103	63	131				
n-Butylbenzene	45.810	5.0	40.00	0	115	80	138				
n-Propylbenzene	42.420	5.0	40.00	0	106	80	128				
Naphthalene	46.440	5.0	40.00	0	116	63	123				
o-Xylene	45.720	5.0	40.00	0	114	80	120				
sec-Butylbenzene	44.770	5.0	40.00	0	112	78	128				
Styrene	46.670	5.0	40.00	0	117	80	120				
tert-Butylbenzene	44.310	5.0	40.00	0	111	73	134				
Tetrachloroethene	44.660	5.0	40.00	0	112	75	129				
Toluene	42.390	5.0	40.00	0	106	80	120				
trans-1,2-Dichloroethene	51.290	5.0	40.00	0	128	70	124				S
Trichloroethene	48.360	5.0	40.00	0	121	80	123				
Trichlorofluoromethane	51.970	5.0	40.00	0	130	67	151				
Vinyl chloride	47.490	5.0	40.00	0	119	58	141				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
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**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220219LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539803</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	53.600		50.00		107	62	165				
Surr: 4-Bromofluorobenzene	53.740		50.00		107	71	125				
Surr: Dibromofluoromethane	56.170		50.00		112	74	143				
Surr: Toluene-d8	53.670		50.00		107	80	120				

Sample ID: <b>N049503-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539804</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	47.440	5.0	40.00	0	119	48	152				
1,1,1,1-Trichloroethane	44.350	5.0	40.00	0	111	42	175				
1,1,2,2-Tetrachloroethane	39.560	5.0	40.00	0	98.9	26	179				
1,1,2-Trichloroethane	44.690	5.0	40.00	0	112	29	188				
1,1-Dichloroethane	42.760	5.0	40.00	0	107	41	166				
1,1-Dichloroethene	42.880	5.0	40.00	0	107	36	161				
1,1-Dichloropropene	44.520	5.0	40.00	0	111	51	157				
1,2,3-Trichlorobenzene	50.650	5.0	40.00	0	127	41	151				
1,2,3-Trichloropropane	40.210	5.0	40.00	0	101	62	156				
1,2,4-Trichlorobenzene	48.570	5.0	40.00	0	121	41	145				
1,2,4-Trimethylbenzene	45.270	5.0	40.00	0	113	54	139				
1,2-Dibromo-3-chloropropane	46.490	10	40.00	0	116	44	171				
1,2-Dibromoethane	45.090	5.0	40.00	0	113	48	174				
1,2-Dichlorobenzene	45.430	5.0	40.00	0	114	64	130				
1,2-Dichloroethane	49.010	5.0	40.00	0	123	52	160				
1,2-Dichloropropane	42.350	5.0	40.00	0	106	54	146				
1,3,5-Trimethylbenzene	43.060	5.0	40.00	0	108	54	138				
1,3-Dichlorobenzene	45.060	5.0	40.00	0	113	62	125				
1,3-Dichloropropane	42.500	5.0	40.00	0	106	68	142				
1,4-Dichlorobenzene	43.140	5.0	40.00	0	108	63	126				
2,2-Dichloropropane	48.330	5.0	40.00	0	121	27	193				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049503-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539804</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone	430.870	50	400.0	0	108	16	229				
2-Chlorotoluene	41.680	5.0	40.00	0	104	59	135				
4-Chlorotoluene	42.890	5.0	40.00	0	107	61	134				
4-Isopropyltoluene	45.820	5.0	40.00	0	115	45	137				
Benzene	45.220	5.0	40.00	0	113	56	141				
Bromobenzene	43.090	5.0	40.00	0	108	64	131				
Bromodichloromethane	46.690	5.0	40.00	0	117	52	148				
Bromoform	51.620	5.0	40.00	0	129	54	156				
Bromomethane	48.760	5.0	40.00	0	122	28	166				
Carbon tetrachloride	49.930	5.0	40.00	0	125	45	162				
Chlorobenzene	44.110	5.0	40.00	0	110	63	128				
Chloroethane	45.960	5.0	40.00	0	115	4	182				
Chloroform	42.420	5.0	40.00	0	106	45	165				
Chloromethane	44.480	5.0	40.00	0	111	33	162				
cis-1,2-Dichloroethene	43.330	5.0	40.00	0	108	50	152				
cis-1,3-Dichloropropene	44.820	5.0	40.00	0	112	53	158				
Dibromochloromethane	46.520	5.0	40.00	0	116	59	150				
Dibromomethane	46.620	5.0	40.00	0	117	54	155				
Dichlorodifluoromethane	50.450	5.0	40.00	0	126	28	152				
Ethylbenzene	42.930	5.0	40.00	0	107	60	132				
Freon-113	48.620	5.0	40.00	0	122	26	181				
Hexachlorobutadiene	48.880	5.0	40.00	0	122	31	142				
Isopropylbenzene	42.370	5.0	40.00	0	106	50	138				
m,p-Xylene	93.460	10	80.00	0	117	57	142				
Methylene chloride	44.440	5.0	40.00	0	111	46	154				
MTBE	42.180	5.0	40.00	0	105	52	165				
n-Butylbenzene	44.170	5.0	40.00	0	110	42	152				
n-Propylbenzene	41.290	5.0	40.00	0	103	53	140				
Naphthalene	46.280	5.0	40.00	0	116	37	158				
o-Xylene	45.990	5.0	40.00	0	115	59	130				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049503-002AMS</b>		SampType: <b>MS</b>		TestCode: <b>8260SOIL</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>160350</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>P22VS021</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>2/19/2022</b>		SeqNo: <b>4539804</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	42.290	5.0	40.00	0	106	48	137				
Styrene	46.750	5.0	40.00	0	117	60	133				
tert-Butylbenzene	43.030	5.0	40.00	0	108	49	139				
Tetrachloroethene	45.790	5.0	40.00	0	114	50	141				
Toluene	44.100	5.0	40.00	0	110	47	148				
trans-1,2-Dichloroethene	51.480	5.0	40.00	0	129	43	151				
Trichloroethene	47.050	5.0	40.00	0	118	25	184				
Trichlorofluoromethane	50.210	5.0	40.00	0	126	31	186				
Vinyl chloride	44.490	5.0	40.00	0	111	28	174				
Surr: 1,2-Dichloroethane-d4	52.190		50.00		104	62	165				
Surr: 4-Bromofluorobenzene	53.230		50.00		106	71	125				
Surr: Dibromofluoromethane	53.060		50.00		106	74	143				
Surr: Toluene-d8	54.450		50.00		109	80	120				

Sample ID: <b>N049503-002AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260SOIL</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>160350</b>	
Client ID: <b>ZZZZZ</b>		Batch ID: <b>P22VS021</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>2/19/2022</b>		SeqNo: <b>4539805</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	45.930	5.0	40.00	0	115	48	152	47.44	3.23	20	
1,1,1-Trichloroethane	46.300	5.0	40.00	0	116	42	175	44.35	4.30	20	
1,1,2,2-Tetrachloroethane	38.760	5.0	40.00	0	96.9	26	179	39.56	2.04	20	
1,1,2-Trichloroethane	43.380	5.0	40.00	0	108	29	188	44.69	2.97	20	
1,1-Dichloroethane	44.190	5.0	40.00	0	110	41	166	42.76	3.29	20	
1,1-Dichloroethene	46.940	5.0	40.00	0	117	36	161	42.88	9.04	20	
1,1-Dichloropropene	44.510	5.0	40.00	0	111	51	157	44.52	0.0225	20	
1,2,3-Trichlorobenzene	52.760	5.0	40.00	0	132	41	151	50.65	4.08	20	
1,2,3-Trichloropropane	40.090	5.0	40.00	0	100	62	156	40.21	0.299	20	
1,2,4-Trichlorobenzene	51.660	5.0	40.00	0	129	41	145	48.57	6.17	20	
1,2,4-Trimethylbenzene	47.670	5.0	40.00	0	119	54	139	45.27	5.16	20	
1,2-Dibromo-3-chloropropane	46.360	10	40.00	0	116	44	171	46.49	0.280	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

CLIENT: Geocon Consultants, Inc.  
 Work Order: N049503  
 Project: Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049503-002AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539805</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	44.950	5.0	40.00	0	112	48	174	45.09	0.311	20	
1,2-Dichlorobenzene	46.040	5.0	40.00	0	115	64	130	45.43	1.33	20	
1,2-Dichloroethane	44.460	5.0	40.00	0	111	52	160	49.01	9.74	20	
1,2-Dichloropropane	42.150	5.0	40.00	0	105	54	146	42.35	0.473	20	
1,3,5-Trimethylbenzene	45.480	5.0	40.00	0	114	54	138	43.06	5.47	20	
1,3-Dichlorobenzene	45.880	5.0	40.00	0	115	62	125	45.06	1.80	20	
1,3-Dichloropropane	40.760	5.0	40.00	0	102	68	142	42.50	4.18	20	
1,4-Dichlorobenzene	45.260	5.0	40.00	0	113	63	126	43.14	4.80	20	
2,2-Dichloropropane	52.420	5.0	40.00	0	131	27	193	48.33	8.12	20	
2-Butanone	416.220	50	400.0	0	104	16	229	430.9	3.46	20	
2-Chlorotoluene	43.680	5.0	40.00	0	109	59	135	41.68	4.69	20	
4-Chlorotoluene	44.840	5.0	40.00	0	112	61	134	42.89	4.45	20	
4-Isopropyltoluene	46.510	5.0	40.00	0	116	45	137	45.82	1.49	20	
Benzene	43.570	5.0	40.00	0	109	56	141	45.22	3.72	20	
Bromobenzene	43.750	5.0	40.00	0	109	64	131	43.09	1.52	20	
Bromodichloromethane	47.310	5.0	40.00	0	118	52	148	46.69	1.32	20	
Bromoform	50.420	5.0	40.00	0	126	54	156	51.62	2.35	20	
Bromomethane	54.160	5.0	40.00	0	135	28	166	48.76	10.5	20	
Carbon tetrachloride	48.730	5.0	40.00	0	122	45	162	49.93	2.43	20	
Chlorobenzene	44.500	5.0	40.00	0	111	63	128	44.11	0.880	20	
Chloroethane	4.160	5.0	40.00	0	10.4	4	182	45.96	0	20	
Chloroform	45.800	5.0	40.00	0	114	45	165	42.42	7.66	20	
Chloromethane	48.450	5.0	40.00	0	121	33	162	44.48	8.54	20	
cis-1,2-Dichloroethene	46.550	5.0	40.00	0	116	50	152	43.33	7.17	20	
cis-1,3-Dichloropropene	42.720	5.0	40.00	0	107	53	158	44.82	4.80	20	
Dibromochloromethane	44.090	5.0	40.00	0	110	59	150	46.52	5.36	20	
Dibromomethane	45.940	5.0	40.00	0	115	54	155	46.62	1.47	20	
Dichlorodifluoromethane	51.200	5.0	40.00	0	128	28	152	50.45	1.48	20	
Ethylbenzene	43.080	5.0	40.00	0	108	60	132	42.93	0.349	20	
Freon-113	51.390	5.0	40.00	0	128	26	181	48.62	5.54	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



CALIFORNIA | P: 562.219.7435 | F: 562.219.7436  
 11110 Artesia Blvd., Ste B, Cerritos, CA 90703  
 ELAP Cert 2921  
 EPA ID CA01638

NEVADA | P: 702.307.2659 | F: 702.307.2691  
 3151 W. Post Rd., Las Vegas, NV 89118  
 ELAP Cert 2676 | NV Cert NVO0922  
 ORELAP/NELAP Cert 4046

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049503-002AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539805</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	49.580	5.0	40.00	0	124	31	142	48.88	1.42	20	
Isopropylbenzene	43.520	5.0	40.00	0	109	50	138	42.37	2.68	20	
m,p-Xylene	94.780	10	80.00	0	118	57	142	93.46	1.40	20	
Methylene chloride	47.630	5.0	40.00	0	119	46	154	44.44	6.93	20	
MTBE	42.460	5.0	40.00	0	106	52	165	42.18	0.662	20	
n-Butylbenzene	46.500	5.0	40.00	0	116	42	152	44.17	5.14	20	
n-Propylbenzene	41.450	5.0	40.00	0	104	53	140	41.29	0.387	20	
Naphthalene	44.470	5.0	40.00	0	111	37	158	46.28	3.99	20	
o-Xylene	47.030	5.0	40.00	0	118	59	130	45.99	2.24	20	
sec-Butylbenzene	44.410	5.0	40.00	0	111	48	137	42.29	4.89	20	
Styrene	48.540	5.0	40.00	0	121	60	133	46.75	3.76	20	
tert-Butylbenzene	44.650	5.0	40.00	0	112	49	139	43.03	3.70	20	
Tetrachloroethene	46.360	5.0	40.00	0	116	50	141	45.79	1.24	20	
Toluene	43.540	5.0	40.00	0	109	47	148	44.10	1.28	20	
trans-1,2-Dichloroethene	56.190	5.0	40.00	0	140	43	151	51.48	8.75	20	
Trichloroethene	45.350	5.0	40.00	0	113	25	184	47.05	3.68	20	
Trichlorofluoromethane	52.420	5.0	40.00	0	131	31	186	50.21	4.31	20	
Vinyl chloride	46.750	5.0	40.00	0	117	28	174	44.49	4.95	20	
Surr: 1,2-Dichloroethane-d4	55.020		50.00		110	62	165		0		
Surr: 4-Bromofluorobenzene	54.690		50.00		109	71	125		0		
Surr: Dibromofluoromethane	55.260		50.00		111	74	143		0		
Surr: Toluene-d8	53.060		50.00		106	80	120		0		

Sample ID: <b>P220219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>PBS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539807</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>
Client ID: <b>PBS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539807</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Butanone	ND	50									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>PBS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539807</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	51.660		50.00		103	62	165				
Surr: 4-Bromofluorobenzene	51.410		50.00		103	71	125				
Surr: Dibromofluoromethane	56.270		50.00		113	74	143				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220219MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160350</b>						
Client ID: <b>PBS</b>	Batch ID: <b>P22VS021</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/19/2022</b>	SeqNo: <b>4539807</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	55.000		50.00		110	80	120				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220228LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>
Client ID: <b>LCSS</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/28/2022</b>	SeqNo: <b>4546742</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	47.740	5.0	40.00	0	119	71	132				
1,1,1-Trichloroethane	48.000	5.0	40.00	0	120	76	139				
1,1,2,2-Tetrachloroethane	47.110	5.0	40.00	0	118	74	123				
1,1,2-Trichloroethane	43.520	5.0	40.00	0	109	78	118				
1,1-Dichloroethane	46.150	5.0	40.00	0	115	73	129				
1,1-Dichloroethene	42.650	5.0	40.00	0	107	68	127				
1,1-Dichloropropene	46.980	5.0	40.00	0	117	80	133				
1,2,3-Trichlorobenzene	47.010	5.0	40.00	0	118	79	120				
1,2,3-Trichloropropane	45.310	5.0	40.00	0	113	76	127				
1,2,4-Trichlorobenzene	47.520	5.0	40.00	0	119	78	120				
1,2,4-Trimethylbenzene	46.360	5.0	40.00	0	116	80	125				
1,2-Dibromo-3-chloropropane	42.620	10	40.00	0	107	60	132				
1,2-Dibromoethane	45.910	5.0	40.00	0	115	69	132				
1,2-Dichlorobenzene	45.500	5.0	40.00	0	114	80	120				
1,2-Dichloroethane	45.900	5.0	40.00	0	115	74	125				
1,2-Dichloropropane	45.600	5.0	40.00	0	114	78	120				
1,3,5-Trimethylbenzene	46.510	5.0	40.00	0	116	80	127				
1,3-Dichlorobenzene	45.690	5.0	40.00	0	114	80	120				
1,3-Dichloropropane	46.450	5.0	40.00	0	116	80	120				
1,4-Dichlorobenzene	44.760	5.0	40.00	0	112	80	120				
2,2-Dichloropropane	52.770	5.0	40.00	0	132	57	158				
2-Butanone	470.550	50	400.0	0	118	44	162				
2-Chlorotoluene	45.240	5.0	40.00	0	113	80	121				
4-Chlorotoluene	47.890	5.0	40.00	0	120	80	123				
4-Isopropyltoluene	48.130	5.0	40.00	0	120	78	125				
Benzene	47.200	5.0	40.00	0	118	80	120				
Bromobenzene	46.000	5.0	40.00	0	115	80	120				
Bromodichloromethane	48.920	5.0	40.00	0	122	72	123				
Bromoform	44.700	5.0	40.00	0	112	68	129				
Bromomethane	40.140	5.0	40.00	0	100	42	155				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220228LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>
Client ID: <b>LCSS</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/28/2022</b>	SeqNo: <b>4546742</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	44.550	5.0	40.00	0	111	68	146				
Chlorobenzene	46.460	5.0	40.00	0	116	80	120				
Chloroethane	42.990	5.0	40.00	0	107	55	143				
Chloroform	46.810	5.0	40.00	0	117	76	128				
Chloromethane	46.200	5.0	40.00	0	116	60	132				
cis-1,2-Dichloroethene	44.350	5.0	40.00	0	111	74	122				
cis-1,3-Dichloropropene	47.550	5.0	40.00	0	119	77	126				
Dibromochloromethane	48.690	5.0	40.00	0	122	76	124				
Dibromomethane	47.680	5.0	40.00	0	119	74	121				
Dichlorodifluoromethane	48.120	5.0	40.00	0	120	44	140				
Ethylbenzene	47.160	5.0	40.00	0	118	80	121				
Freon-113	45.900	5.0	40.00	0	115	57	151				
Hexachlorobutadiene	43.670	5.0	40.00	0	109	75	126				
Isopropylbenzene	46.740	5.0	40.00	0	117	80	124				
m,p-Xylene	93.670	10	80.00	0	117	68	147				
Methylene chloride	45.510	5.0	40.00	0	114	66	124				
MTBE	48.410	5.0	40.00	0	121	63	131				
n-Butylbenzene	46.120	5.0	40.00	0	115	80	138				
n-Propylbenzene	46.280	5.0	40.00	0	116	80	128				
Naphthalene	46.230	5.0	40.00	0	116	63	123				
o-Xylene	47.610	5.0	40.00	0	119	80	120				
sec-Butylbenzene	47.030	5.0	40.00	0	118	78	128				
Styrene	47.220	5.0	40.00	0	118	80	120				
tert-Butylbenzene	47.230	5.0	40.00	0	118	73	134				
Tetrachloroethene	46.160	5.0	40.00	0	115	75	129				
Toluene	46.240	5.0	40.00	0	116	80	120				
trans-1,2-Dichloroethene	44.040	5.0	40.00	0	110	70	124				
Trichloroethene	48.140	5.0	40.00	0	120	80	123				
Trichlorofluoromethane	45.610	5.0	40.00	0	114	67	151				
Vinyl chloride	43.270	5.0	40.00	0	108	58	141				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220228LCS</b>	SampType: <b>LCS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/28/2022</b>	SeqNo: <b>4546742</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	52.510		50.00		105	62	165				
Surr: 4-Bromofluorobenzene	53.220		50.00		106	71	125				
Surr: Dibromofluoromethane	49.630		50.00		99.3	74	143				
Surr: Toluene-d8	52.870		50.00		106	80	120				

Sample ID: <b>P220228MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>PBS</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/28/2022</b>	SeqNo: <b>4546743</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220228MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>PBS</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/28/2022</b>	SeqNo: <b>4546743</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

2-Butanone	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Freon-113	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>P220228MB3</b>	SampType: <b>MBLK</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>
Client ID: <b>PBS</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>2/28/2022</b>	SeqNo: <b>4546743</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	51.720		50.00		103	62	165				
Surr: 4-Bromofluorobenzene	49.420		50.00		98.8	71	125				
Surr: Dibromofluoromethane	51.770		50.00		104	74	143				
Surr: Toluene-d8	53.140		50.00		106	80	120				

Sample ID: <b>N049507-001CMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546746</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	55.920	5.0	40.00	0	140	48	152				
1,1,1-Trichloroethane	49.460	5.0	40.00	0	124	42	175				
1,1,2,2-Tetrachloroethane	65.890	5.0	40.00	0	165	26	179				
1,1,2-Trichloroethane	57.870	5.0	40.00	0	145	29	188				
1,1-Dichloroethane	53.510	5.0	40.00	0	134	41	166				
1,1-Dichloroethene	53.380	5.0	40.00	0	133	36	161				
1,1-Dichloropropene	48.110	5.0	40.00	0	120	51	157				
1,2,3-Trichlorobenzene	35.890	5.0	40.00	0	89.7	41	151				
1,2,3-Trichloropropane	63.660	5.0	40.00	0	159	62	156				S
1,2,4-Trichlorobenzene	38.840	5.0	40.00	0	97.1	41	145				
1,2,4-Trimethylbenzene	49.000	5.0	40.00	0	123	54	139				
1,2-Dibromo-3-chloropropane	63.170	10	40.00	0	158	44	171				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049507-001CMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546746</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	51.030	5.0	40.00	0	128	48	174				
1,2-Dichlorobenzene	54.680	5.0	40.00	0	137	64	130				S
1,2-Dichloroethane	49.260	5.0	40.00	0	123	52	160				
1,2-Dichloropropane	53.760	5.0	40.00	0	134	54	146				
1,3,5-Trimethylbenzene	54.720	5.0	40.00	0	137	54	138				
1,3-Dichlorobenzene	57.100	5.0	40.00	0	143	62	125				S
1,3-Dichloropropane	57.130	5.0	40.00	0	143	68	142				S
1,4-Dichlorobenzene	54.820	5.0	40.00	0	137	63	126				S
2,2-Dichloropropane	43.680	5.0	40.00	0	109	27	193				
2-Butanone	320.750	50	400.0	0	80.2	16	229				
2-Chlorotoluene	44.110	5.0	40.00	0	110	59	135				
4-Chlorotoluene	44.690	5.0	40.00	0	112	61	134				
4-Isopropyltoluene	48.090	5.0	40.00	0	120	45	137				
Benzene	53.880	5.0	40.00	0	135	56	141				
Bromobenzene	63.980	5.0	40.00	0	160	64	131				S
Bromodichloromethane	55.740	5.0	40.00	0	139	52	148				
Bromoform	49.900	5.0	40.00	0	125	54	156				
Bromomethane	56.280	5.0	40.00	0	141	28	166				
Carbon tetrachloride	47.450	5.0	40.00	0	119	45	162				
Chlorobenzene	48.130	5.0	40.00	0	120	63	128				
Chloroethane	58.380	5.0	40.00	0	146	4	182				
Chloroform	54.080	5.0	40.00	0	135	45	165				
Chloromethane	63.090	5.0	40.00	0	158	33	162				
cis-1,2-Dichloroethene	51.300	5.0	40.00	0	128	50	152				
cis-1,3-Dichloropropene	52.790	5.0	40.00	0	132	53	158				
Dibromochloromethane	64.610	5.0	40.00	0	162	59	150				S
Dibromomethane	56.260	5.0	40.00	0	141	54	155				
Dichlorodifluoromethane	52.420	5.0	40.00	0	131	28	152				
Ethylbenzene	54.190	5.0	40.00	0	135	60	132				S
Freon-113	56.120	5.0	40.00	0	140	26	181				

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049507-001CMS</b>	SampType: <b>MS</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546746</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	25.390	5.0	40.00	0	63.5	31	142				
Isopropylbenzene	46.460	5.0	40.00	0	116	50	138				
m,p-Xylene	92.810	10	80.00	0	116	57	142				
Methylene chloride	55.810	5.0	40.00	0	140	46	154				
MTBE	76.470	5.0	40.00	0	191	52	165				S
n-Butylbenzene	33.140	5.0	40.00	0	82.8	42	152				
n-Propylbenzene	69.900	5.0	40.00	0	175	53	140				S
Naphthalene	47.220	5.0	40.00	0	118	37	158				
o-Xylene	44.300	5.0	40.00	0	111	59	130				
sec-Butylbenzene	38.710	5.0	40.00	0	96.8	48	137				
Styrene	50.040	5.0	40.00	0	125	60	133				
tert-Butylbenzene	42.840	5.0	40.00	0	107	49	139				
Tetrachloroethene	43.330	5.0	40.00	0	108	50	141				
Toluene	51.590	5.0	40.00	0	129	47	148				
trans-1,2-Dichloroethene	52.240	5.0	40.00	0	131	43	151				
Trichloroethene	53.050	5.0	40.00	0	133	25	184				
Trichlorofluoromethane	56.110	5.0	40.00	0	140	31	186				
Vinyl chloride	55.070	5.0	40.00	0	138	28	174				
Surr: 1,2-Dichloroethane-d4	57.520		50.00		115	62	165				
Surr: 4-Bromofluorobenzene	49.450		50.00		98.9	71	125				
Surr: Dibromofluoromethane	54.150		50.00		108	74	143				
Surr: Toluene-d8	50.980		50.00		102	80	120				

Sample ID: <b>N049507-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546747</b>

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	48.210	5.0	40.00	0	121	48	152	55.92	14.8	20	
1,1,1-Trichloroethane	50.070	5.0	40.00	0	125	42	175	49.46	1.23	20	
1,1,2,2-Tetrachloroethane	65.800	5.0	40.00	0	164	26	179	65.89	0.137	20	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

CLIENT: Geocon Consultants, Inc.  
 Work Order: N049503  
 Project: Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

TestCode: 8260SOIL

Sample ID: <b>N049507-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546747</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	52.630	5.0	40.00	0	132	29	188	57.87	9.48	20	
1,1-Dichloroethane	52.730	5.0	40.00	0	132	41	166	53.51	1.47	20	
1,1-Dichloroethene	51.150	5.0	40.00	0	128	36	161	53.38	4.27	20	
1,1-Dichloropropene	44.480	5.0	40.00	0	111	51	157	48.11	7.84	20	
1,2,3-Trichlorobenzene	31.180	5.0	40.00	0	78.0	41	151	35.89	14.0	20	
1,2,3-Trichloropropane	57.520	5.0	40.00	0	144	62	156	63.66	10.1	20	
1,2,4-Trichlorobenzene	32.130	5.0	40.00	0	80.3	41	145	38.84	18.9	20	
1,2,4-Trimethylbenzene	44.570	5.0	40.00	0	111	54	139	49.00	9.47	20	
1,2-Dibromo-3-chloropropane	51.280	10	40.00	0	128	44	171	63.17	20.8	20	R
1,2-Dibromoethane	48.280	5.0	40.00	0	121	48	174	51.03	5.54	20	
1,2-Dichlorobenzene	45.790	5.0	40.00	0	114	64	130	54.68	17.7	20	
1,2-Dichloroethane	50.120	5.0	40.00	0	125	52	160	49.26	1.73	20	
1,2-Dichloropropane	50.560	5.0	40.00	0	126	54	146	53.76	6.13	20	
1,3,5-Trimethylbenzene	47.290	5.0	40.00	0	118	54	138	54.72	14.6	20	
1,3-Dichlorobenzene	47.340	5.0	40.00	0	118	62	125	57.10	18.7	20	
1,3-Dichloropropane	54.360	5.0	40.00	0	136	68	142	57.13	4.97	20	
1,4-Dichlorobenzene	45.680	5.0	40.00	0	114	63	126	54.82	18.2	20	
2,2-Dichloropropane	46.270	5.0	40.00	0	116	27	193	43.68	5.76	20	
2-Butanone	343.490	50	400.0	0	85.9	16	229	320.8	6.85	20	
2-Chlorotoluene	44.750	5.0	40.00	0	112	59	135	44.11	1.44	20	
4-Chlorotoluene	45.500	5.0	40.00	0	114	61	134	44.69	1.80	20	
4-Isopropyltoluene	40.120	5.0	40.00	0	100	45	137	48.09	18.1	20	
Benzene	49.370	5.0	40.00	0	123	56	141	53.88	8.74	20	
Bromobenzene	53.440	5.0	40.00	0	134	64	131	63.98	18.0	20	S
Bromodichloromethane	50.600	5.0	40.00	0	127	52	148	55.74	9.67	20	
Bromoform	46.430	5.0	40.00	0	116	54	156	49.90	7.20	20	
Bromomethane	51.030	5.0	40.00	0	128	28	166	56.28	9.78	20	
Carbon tetrachloride	44.520	5.0	40.00	0	111	45	162	47.45	6.37	20	
Chlorobenzene	43.000	5.0	40.00	0	108	63	128	48.13	11.3	20	
Chloroethane	52.040	5.0	40.00	0	130	4	182	58.38	11.5	20	

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



CALIFORNIA | P: 562.219.7435 | F: 562.219.7436 | 11110 Artesia Blvd., Ste B, Cerritos, CA 90703 | ELAP Cert 2921 | EPA ID CA01638  
 NEVADA | P: 702.307.2659 | F: 702.307.2691 | 3151 W. Post Rd., Las Vegas, NV 89118 | ELAP Cert 2676 | NV Cert NVO0922 | ORELAP/NELAP Cert 4046

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049507-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546747</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	51.160	5.0	40.00	0	128	45	165	54.08	5.55	20	
Chloromethane	58.180	5.0	40.00	0	145	33	162	63.09	8.10	20	
cis-1,2-Dichloroethene	50.390	5.0	40.00	0	126	50	152	51.30	1.79	20	
cis-1,3-Dichloropropene	46.990	5.0	40.00	0	117	53	158	52.79	11.6	20	
Dibromochloromethane	55.550	5.0	40.00	0	139	59	150	64.61	15.1	20	
Dibromomethane	54.410	5.0	40.00	0	136	54	155	56.26	3.34	20	
Dichlorodifluoromethane	57.280	5.0	40.00	0	143	28	152	52.42	8.86	20	
Ethylbenzene	45.070	5.0	40.00	0	113	60	132	54.19	18.4	20	
Freon-113	46.280	5.0	40.00	0	116	26	181	56.12	19.2	20	
Hexachlorobutadiene	21.590	5.0	40.00	0	54.0	31	142	25.39	16.2	20	
Isopropylbenzene	46.920	5.0	40.00	0	117	50	138	46.46	0.985	20	
m,p-Xylene	83.890	10	80.00	0	105	57	142	92.81	10.1	20	
Methylene chloride	56.490	5.0	40.00	0	141	46	154	55.81	1.21	20	
MTBE	64.810	5.0	40.00	0	162	52	165	76.47	16.5	20	
n-Butylbenzene	30.750	5.0	40.00	0	76.9	42	152	33.14	7.48	20	
n-Propylbenzene	49.760	5.0	40.00	0	124	53	140	69.90	33.7	20	R
Naphthalene	40.600	5.0	40.00	0	102	37	158	47.22	15.1	20	
o-Xylene	41.740	5.0	40.00	0	104	59	130	44.30	5.95	20	
sec-Butylbenzene	37.980	5.0	40.00	0	95.0	48	137	38.71	1.90	20	
Styrene	42.700	5.0	40.00	0	107	60	133	50.04	15.8	20	
tert-Butylbenzene	43.550	5.0	40.00	0	109	49	139	42.84	1.64	20	
Tetrachloroethene	42.370	5.0	40.00	0	106	50	141	43.33	2.24	20	
Toluene	44.780	5.0	40.00	0	112	47	148	51.59	14.1	20	
trans-1,2-Dichloroethene	49.210	5.0	40.00	0	123	43	151	52.24	5.97	20	
Trichloroethene	45.370	5.0	40.00	0	113	25	184	53.05	15.6	20	
Trichlorofluoromethane	49.640	5.0	40.00	0	124	31	186	56.11	12.2	20	
Vinyl chloride	52.170	5.0	40.00	0	130	28	174	55.07	5.41	20	
Surr: 1,2-Dichloroethane-d4	62.050		50.00		124	62	165		0		
Surr: 4-Bromofluorobenzene	46.290		50.00		92.6	71	125		0		
Surr: Dibromofluoromethane	56.870		50.00		114	74	143		0		

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |

**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260SOIL**

Sample ID: <b>N049507-001CMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260SOIL</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>160503</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>P22VS026</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>3/1/2022</b>	SeqNo: <b>4546747</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	50.200		50.00		100	80	120			0	

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



**CLIENT:** Geocon Consultants, Inc.  
**Work Order:** N049503  
**Project:** Yreka Carnegie Library, S1894-07-05A

## ANALYTICAL QC SUMMARY REPORT

**TestCode: HC\_S\_SEMI**

Sample ID: <b>MB-91583</b>	SampType: <b>MBLK</b>	TestCode: <b>HC_S_SEMI</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B(M EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4610346</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C9-C18		ND	10								

Sample ID: <b>MB2-91583</b>	SampType: <b>MBLK</b>	TestCode: <b>HC_S_SEMI</b>	Units: <b>mg/Kg</b>	Prep Date: <b>2/21/2022</b>	RunNo: <b>160368</b>						
Client ID: <b>PBS</b>	Batch ID: <b>91583</b>	TestNo: <b>EPA 8015B(M EPA 3550B</b>		Analysis Date: <b>2/21/2022</b>	SeqNo: <b>4610347</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C9-C18		ND	10								

**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range       | H Holding times for preparation or analysis exceeded           |
| ND Not Detected at the Reporting Limit            | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out                          | Calculations are based on raw values   |  |



# ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 2/18/2022 Workorder: N049503  
 Rep sample Temp (Deg C): 2.9 IR Gun ID: 3  
 Temp Blank:  Yes  No  
 Carrier name: Southwest Express  
 Last 4 digits of Tracking No.: 8036 Packing Material Used: None  
 Cooling process:  Ice  Ice Pack  Dry Ice  Other  None

## Sample Receipt Checklist

- |   |   |                             |   |
|---|---|-----------------------------|---|
| 1. Shipping container/cooler in good condition?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| 2. Custody seals intact, signed, dated on shipping container/cooler?                    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 5. Sampler's name present in COC?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 6. Chain of custody signed when relinquished and received?                              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 7. Chain of custody agrees with sample labels?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 8. Samples in proper container/bottle?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 9. Sample containers intact?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 10. Sufficient sample volume for indicated test?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 11. All samples received within holding time?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| 12. Temperature of rep sample or Temp Blank within acceptable limit?                    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/>                     |
| 13. Water - VOA vials have zero headspace?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 14. Water - pH acceptable upon receipt?<br>Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 15. Did the bottle labels indicate correct preservatives used?                          | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
| 16. Were there Non-Conformance issues at login?<br>Was Client notified?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |
|   | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>          |

Comments:

Checklist Completed By: YR YRJ 2/18/2022

Reviewed By: MBC 2/19/2022



# ASSET Laboratories

## WORK ORDER Summary

20-Apr-22

**WorkOrder:** N049503

**Client ID:** GEOC002

**Project:** Yreka Carnegie Library, S1894-07-05A

**QC Level:** RTNE

**Date Received:** 2/18/2022

**Comments:** Metals cadmium, chromium, nickel, zinc and lead

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049503-001A	B1-4.5	2/16/2022 8:58:00 AM	2/25/2022	Solid	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-002A	B1-7	2/16/2022 9:10:00 AM	2/25/2022		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
					EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-003A	B1-19.5	2/16/2022 9:40:00 AM	2/25/2022		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS

# ASSET Laboratories

## WORK ORDER Summary

20-Apr-22

**WorkOrder:** N049503

**Client ID:** GEOCO02

**Project:** Yreka Carnegie Library, S1894-07-05A

**QC Level:** RTNE

**Date Received:** 2/18/2022

**Comments:** Metals cadmium, chromium, nickel, zinc and lead

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049503-003A	B1-19.5	2/16/2022 9:40:00 AM	2/25/2022	Solid	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-004A	B2-4.5	2/16/2022 10:07:00 AM	2/25/2022		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-005A	B2-5.5	2/16/2022 10:12:00 AM	2/25/2022		EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS

# ASSET Laboratories

## WORK ORDER Summary

20-Apr-22

**WorkOrder:** N049503

**Client ID:** GEOCO02

**Project:** Yreka Carnegie Library, S1894-07-05A

**QC Level:** RTNE

**Date Received:** 2/18/2022

**Comments:** Metals cadmium, chromium, nickel, zinc and lead

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049503-005A	B2-5.5	2/16/2022 10:12:00 AM	2/25/2022	Solid	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-006A	B2-9.5	2/16/2022 10:14:00 AM	2/25/2022	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
N049503-007A	B2-22.5	2/16/2022 10:20:00 AM	2/25/2022	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	

# ASSET Laboratories

## WORK ORDER Summary

20-Apr-22

**WorkOrder:** N049503

**Client ID:** GEOCO02

**Project:** Yreka Carnegie Library, S1894-07-05A

**QC Level:** RTNE

**Date Received:** 2/18/2022

**Comments:** Metals cadmium, chromium, nickel, zinc and lead

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049503-007A	B2-22.5	2/16/2022 10:20:00 AM	2/25/2022	Solid	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-008A	B2-32	2/16/2022 10:25:00 AM	2/25/2022	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
N049503-009A	B3-4.5	2/16/2022 10:34:00 AM	2/25/2022	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	

# ASSET Laboratories

## WORK ORDER Summary

20-Apr-22

WorkOrder: N049503

Client ID: GEOC002

Project: Yreka Carnegie Library, S1894-07-05A

QC Level: RTNE

Date Received: 2/18/2022

Comments: Metals cadmium, chromium, nickel, zinc and lead

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049503-009A	B3-4.5	2/16/2022 10:34:00 AM	2/25/2022	Solid	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-010A	B3-6.0	2/16/2022 10:38:00 AM	2/25/2022	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
2/25/2022	EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS				
N049503-011A	B3-9.5	2/16/2022 10:40:00 AM				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
N049503-012A	B3-22.5	2/16/2022 10:48:00 AM	2/25/2022	EPA 3050B	SOPREP TOTAL METALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 3546	Microwave Extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 6010B	TOTAL METALS BY ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	
			2/25/2022	EPA 8015B	DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS	

# ASSET Laboratories

## WORK ORDER Summary

20-Apr-22

**WorkOrder:** N049503

**Client ID:** GEOCO02

**Project:** Yreka Carnegie Library, S1894-07-05A

**QC Level:** RTNE



**Date Received:** 2/18/2022

**Comments:** Metals cadmium, chromium, nickel, zinc and lead

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049503-012A	B3-22.5	2/16/2022 10:48:00 AM	2/25/2022	Solid	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8082	PCBs BY GC/ECD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8260B	VOLATILE ORGANIC COMPOUNDS BY GC/MS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 8015B(M)	HYDROCARBON CHAIN IDENTIFICATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
			2/25/2022		EPA 3550B	SHAKE-OUT METHOD: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VS
N049503-013A	FOLDER	2/25/2022	2/25/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			2/25/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

526 | SMF | 71048036

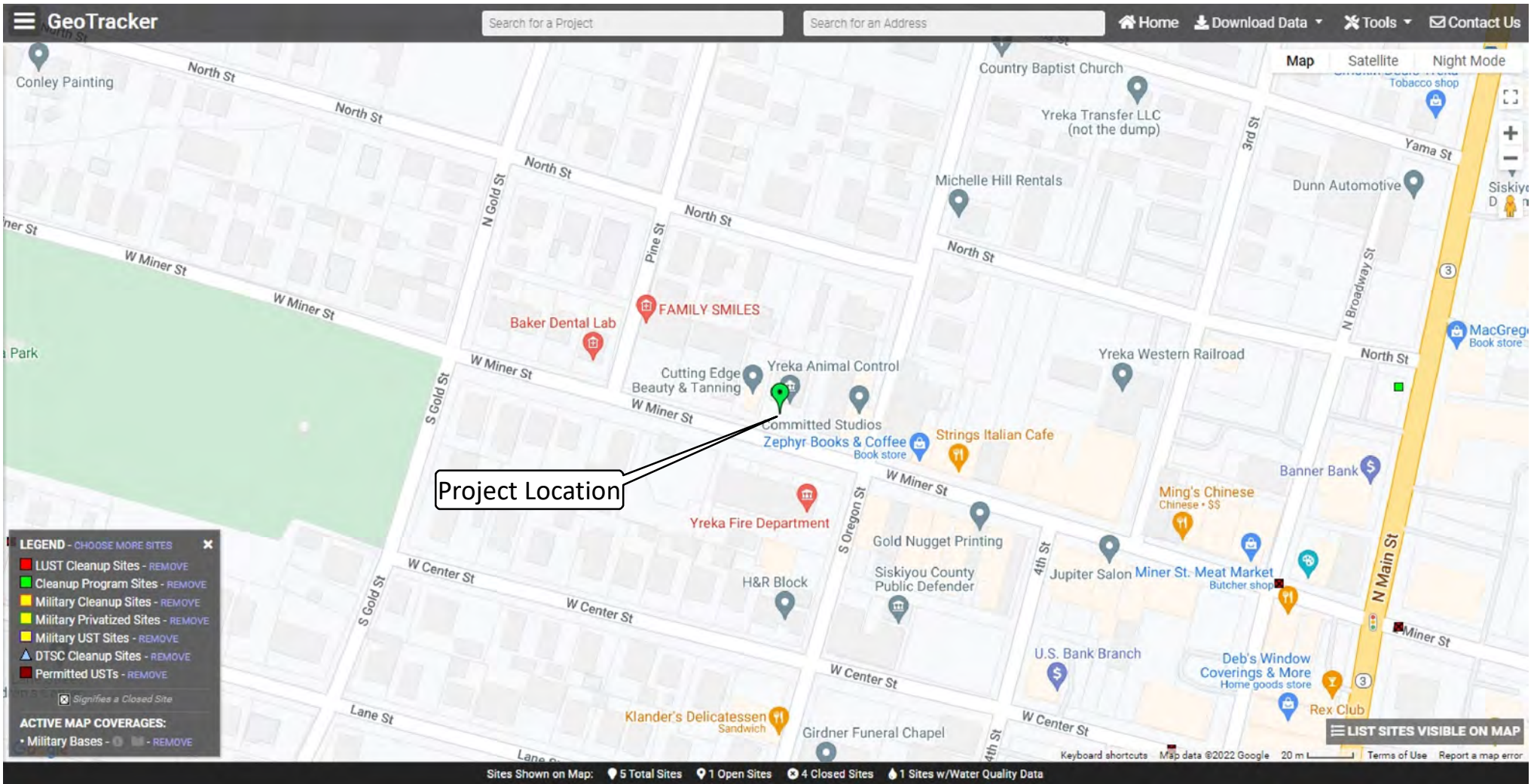
526 - 71048036

Shipper's Name and Address ADVANCED TECHNOLOGY LABORATORIES 3151 W POST RD LAS VEGAS, NV 89118 US +1 (702) 307-2659		Shipper's Account Number 74299 - 1		Not Negotiable / Issued by  52671048036 swacargo.com (800) 533-1222					
Consignee's Name and Address ADVANCED TECHNOLOGY LABORATORIES 3151 W POST RD LAS VEGAS, NV 89118 US +1 (702) 307-2659		Consignee's Account Number 74299 - 1		Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity. It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage subject to Southwest Airlines' Contract of Carriage which is <a href="http://www.swacargo.com">www.swacargo.com</a> and any location where air waybills are available. Shipper's attention is drawn to the terms of the contract which includes, among other things: (1) Limits on Carriers' liability for loss, damage, or delay of goods, including fragile or perishable goods; (2) Claim restrictions, including time within which shippers or consignees must file a claim or bring an action against the carrier for its acts or omissions or those of its agents; (3) Right of the carrier to change the terms of the contract; (4) Rules about refusal to carry; and (5) Rights of the carrier and limitations, concerning delay or failure to perform service, including schedule changes, rerouting, substitution of an alternate carrier or aircraft, or means of carriage including road unless specific contrary instructions are given hereon by shipper, and shipper agrees the shipment may be carried via intermediate stopping places the carrier deems appropriate. Shipper may increase liability limits by declaring a higher value for carriage and paying a supplemental charge if required.					
Issuing Carrier's Agent Name and City  Agent's IATA Code  Account No.		Accounting Information Billed on 02/17/2022 15:38 PST SWA ACCOUNT 74299							
Airport of Departure (Addr. of First Carrier) and Requested Routing SACRAMENTO		Service Level - S Declared Value for Carriage Declared Value for Customs							
To LAS	By First Carrier SOUTHWEST AIRLINES	To  	By  	To  	By  				
Airport of Destination LAS		Flight Date For Carrier Use Only WN2379 / 17FEB		Currency USD	CHGS Code PP	WT.VAL PPD X COLL X	Other PPD X COLL X	Declared Value for Carriage NVD	Declared Value for Customs
Amount of Insurance INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".		HANDLING INFORMATION -							
								SCI	
No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Commodity Item No.	Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (Inc. Dimensions or Volume)	
1	24	L	N	0000	24	As Agreed	*****	SOIL/WATER/AIR SAMPLES DIMS IN INCHES: 1 = 17 X 15 X 12	
1	24						*****		
Prepaid *****		Weight Charge *****		Collect *****		Other Charges and Description MYC 0.00 SCC 0.00			
Valuation Charge *****		Tax *****		Total Other Charges Due Agent		Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations. I consent that this shipment shall be subject to search by the Carrier.  MARLON CARTIN  Signature of Shipper or his Agent			
Total Other Charges Due Carrier		Total Prepaid *****		Total Collect		Executed on (date and time)      At (place)      Signature of Issuing Carrier or its Agent 02/17/2022 15:38 PST      SMF      E43220			
Currency Conversion Rates *****		CC Charges in Dest.Currency		Charges at Destination		Total Collect Charges		526 - 71048036	

ORIGINAL 3 (FOR SHIPPER)

**Attachment I**  
Hazardous Material Sites





Sources: CA State Water Resources Control Board 2022.

## ATTACHMENT I. HAZARDOUS WASTE SITES Yreka Carnegie Library

**Attachment J**  
National Register of Historic Places Nomination Form

RECEIVED

FEB 25 1992

United States Department of the Interior  
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES  
REGISTRATION FORM

NATIONAL  
REGISTER

1. Name of Property

historic name: Yreka Carnegie Library

other name/site number: Yreka Police Department

2. Location

street & number: 412 W. Miner Street

not for publication: NA

city/town: Yreka

vicinity: NA

state: CA county: Siskiyou code: 093 zip code: 96097

3. Classification

Ownership of Property: Public/Local

Category of Property: Building

Number of Resources within Property:

Contributing	Noncontributing	
<u>  1  </u>	<u>      </u>	buildings
<u>      </u>	<u>      </u>	sites
<u>      </u>	<u>      </u>	structures
<u>      </u>	<u>      </u>	objects
<u>  1  </u>	<u>  0  </u>	Total

Number of contributing resources previously listed in the National Register:   0  

Name of related multiple property listing: California Carnegie Libraries

4. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this x nomination \_\_\_\_\_ request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property x meets \_\_\_\_\_ does not meet the National Register Criteria. \_\_\_\_\_ See continuation sheet.

Stade R. Craig  
Signature of certifying official \_\_\_\_\_ Date February 13, 1992

California Office of Historic Preservation

In my opinion, the property \_\_\_\_\_ meets \_\_\_\_\_ does not meet the National Register criteria. \_\_\_\_\_ See continuation sheet.

\_\_\_\_\_  
Signature of commenting or other official \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
State or Federal agency and bureau

5. National Park Service Certification

I, hereby certify that this property is:

- entered in the National Register \_\_\_\_\_ See continuation sheet.
- determined eligible for the National Register \_\_\_\_\_ See continuation sheet.
- determined not eligible for the National Register \_\_\_\_\_
- removed from the National Register \_\_\_\_\_
- other (explain): \_\_\_\_\_

Alcous Dyer 3/26/92  
entered in the National Register

fr Signature of Keeper \_\_\_\_\_ Date \_\_\_\_\_ of Action

6. Function or Use

Historic: Education \_\_\_\_\_ Sub: Library \_\_\_\_\_  
Current : Government \_\_\_\_\_ Sub: Correctional Facility \_\_\_\_\_

=====
7. Description
=====

Architectural Classification:

Classical Revival \_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

Other Description: \_\_\_\_\_

Materials: foundation concrete\_\_ roof asphalt\_\_
walls concrete\_\_ other \_\_\_\_\_

Describe present and historic physical appearance. \_X\_ See continuation sheet.

=====
8. Statement of Significance
=====

Certifying official has considered the significance of this property in relation to other properties: locally \_\_\_\_\_.

Applicable National Register Criteria: A & C

Criteria Considerations (Exceptions) : \_NA\_

Areas of Significance: Social History \_\_\_\_\_
Architecture \_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_
\_\_\_\_\_

Period(s) of Significance: 1915-1942 \_\_\_\_\_

Significant Dates : \_NA\_

Significant Person(s): NA \_\_\_\_\_
\_\_\_\_\_

Cultural Affiliation: \_NA\_ \_\_\_\_\_

Architect/Builder: Weeks, William, architect \_\_\_\_\_
Peterson & Wilson, builder \_\_\_\_\_
Noel, C.L., builder \_\_\_\_\_

State significance of property, and justify criteria, criteria considerations, and areas and periods of significance noted above.
\_X\_ See continuation sheet.

United States Department of the Interior  
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET

Section number   7   Yreka Carnegie Library \_\_\_\_\_ Page 5  
=====

The Yreka Carnegie Library is an example of Classical Revival styling with the central element recessed and not breaking the roofline. Constructed of concrete, it is a small building, one story over a basement airspace. Above a projecting cornice a low parapet surrounds the building and rises slightly above the central element, providing space to frame the word "Library." The entrance is recessed under a simple half-round arch with keystone design and the arch is in turn recessed with a rectangular frame. The door itself is wood framed glass under a half-round transom, many-paned with diagonals. A solid panel between door and transom identifies in small letters the current occupant of the building, "Police Dept." Low, wide steps lead to the door, and within, a few additional steps lead to the main rooms. On each side of the entrance is a small wrought iron lamp fixture and a wide window, with wider central section and narrower side panels divided once horizontally. Above all is a transom with clathri design. A simple sill is shaped slightly at each end. Two small rectangular recessed basement windows are centered below each large window. A 1979 addition to the rear is not visible from the front and the integrity of the building appears to have been maintained.



9. Major Bibliographical References

X See continuation sheet.

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested.
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey # \_\_\_\_\_
- recorded by Historic American Engineering Record # \_\_\_\_\_

Primary Location of Additional Data:

- X State historic preservation office
- Other state agency
- Federal agency
- Local government
- University
- Other -- Specify Repository: \_\_\_\_\_

10. Geographical Data

Acreage of Property: Less than one acre

UTM References: Zone Easting Northing      Zone Easting Northing

A	10	530100	4619940	B	_____	_____	_____
C	_____	_____	_____	D	_____	_____	_____

\_\_\_\_\_ See continuation sheet.

Verbal Boundary Description: Assessor's Parcel #53-352-100, County of Siskiyou

Boundary Justification: This is the lot historically associated with the property.

11. Form Prepared By

Name/Title: Mary Lou Smith \_\_\_\_\_

Organization: City of Yreka \_\_\_\_\_ Date: June 30, 1991 \_\_\_\_\_

Street & Number: 701 Fourth Street \_\_\_\_\_ Telephone: (916) 842-4386 \_\_\_\_\_

City or Town: Yreka \_\_\_\_\_ State: CA ZIP: 96097 \_\_\_\_\_



United States Department of the Interior  
National Park Service

NATIONAL REGISTER OF HISTORIC PLACES  
CONTINUATION SHEET

Section number 9 Yreka Carnegie Library \_\_\_\_\_ Page 7  
=====

References used:

Bobinski, Goerge S., Carnegie Libraries: Their History and Impact on American Public Library Development. Chicago: American Library Association, 1969.

Held, Ray, Public Libraries in California, 1849-1878. Berkeley: University of California Press, 1963.

Kortum, Lucy, "California Carnegie Libraries" Multiple Property National Register nomination, 1990.

Lewis, Betty, collection: "Carnegie Library," Siskiyou County Public Library, 719 Fourth Street, Yreka 96097, 1985, 4 pages.

Mussmann, Victoria Kline, "Women and the Founding of Social Libraries in California, 1859-1910." Ph.D. dissertation, University of Southern California, 1982.

10/30/90

United States Department of the Interior  
National Park Service

National Register of Historic Places  
Continuation Sheet

Section number \_\_\_\_\_ Page \_\_\_\_\_

California Carnegie Libraries MPS

		Date Listed
COVER	Substantive Review	12/10/90
1. Colusa Carnegie Library	Substantive Review	12/10/90
2. East San Jose Carnegie Library		12/10/90
3. Exeter Public Library		12/10/90
4. Ferndale Public Library		12/10/90
5. Lincoln Public Library		12/10/90
6. Lompoc Public Library		12/10/90
7. Nevada City Free Public Library		12/10/90
8. Patterson Branch Library		12/10/90
9. Upland Public Library		12/10/90
10. Yolo Branch Library		12/10/90
11. Grass Valley Public Library	Entered in the National Register	3/26/92
12. Garfield Park Branch Library	Entered in the National Register	3/26/92
13. Hollister Carnegie Library	Entered in the National Register	3/26/92
14. <b>Yreka Carnegie Library</b>	Entered in the National Register	3/26/92
15. Willits Carnegie Library	Entered in the National Register	1/7/93
16. Turlock Carnegie Library	Entered in the National Register	1/7/93

UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES  
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Yreka Carnegie Library

MULTIPLE NAME: California Carnegie Libraries MPS

STATE & COUNTY: CALIFORNIA, Siskiyou

DATE RECEIVED: 2/25/92 DATE OF PENDING LIST: 3/10/92  
DATE OF 16TH DAY: 3/26/92 DATE OF 45TH DAY: 4/10/92  
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 92000270

NOMINATOR: STATE

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: N LANDSCAPE: N LESS THAN 50 YEARS: N  
OTHER: N PDIL: N PERIOD: N PROGRAM UNAPPROVED: N  
REQUEST: N SAMPLE: N SLR DRAFT: N NATIONAL: N

COMMENT WAIVER: N

ACCEPT  RETURN  REJECT 3/26/92 DATE entered in the National Register

ABSTRACT/SUMMARY COMMENTS:

RECOM./CRITERIA \_\_\_\_\_  
REVIEWER \_\_\_\_\_  
DISCIPLINE \_\_\_\_\_  
DATE \_\_\_\_\_

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

CLASSIFICATION

\_\_\_ count      \_\_\_ resource type

STATE/FEDERAL AGENCY CERTIFICATION

FUNCTION

\_\_\_ historic      \_\_\_ current

DESCRIPTION

\_\_\_ architectural classification  
\_\_\_ materials  
\_\_\_ descriptive text

SIGNIFICANCE

Period      Areas of Significance--Check and justify below

Specific dates      Builder/Architect  
Statement of Significance (in one paragraph)

\_\_\_ summary paragraph  
\_\_\_ completeness  
\_\_\_ clarity  
\_\_\_ applicable criteria  
\_\_\_ justification of areas checked  
\_\_\_ relating significance to the resource  
\_\_\_ context  
\_\_\_ relationship of integrity to significance  
\_\_\_ justification of exception  
\_\_\_ other

BIBLIOGRAPHY

GEOGRAPHICAL DATA

\_\_\_ acreage      \_\_\_ verbal boundary description  
\_\_\_ UTM's      \_\_\_ boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

\_\_\_ sketch maps    \_\_\_ USGS maps    \_\_\_ photographs    \_\_\_ presentation

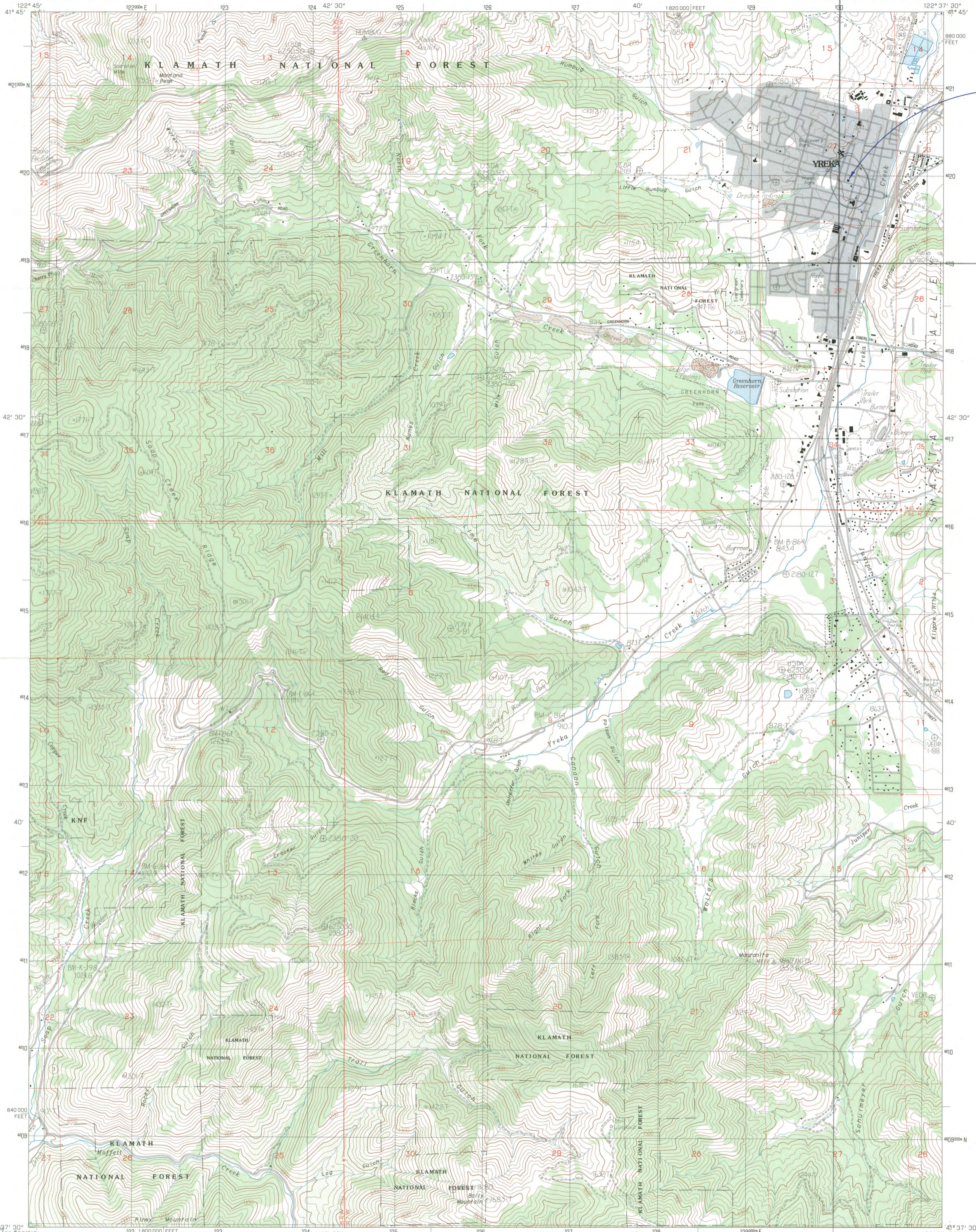
OTHER COMMENTS

Questions concerning this nomination may be directed to

\_\_\_\_\_ Phone \_\_\_\_\_

Signed \_\_\_\_\_ Date \_\_\_\_\_

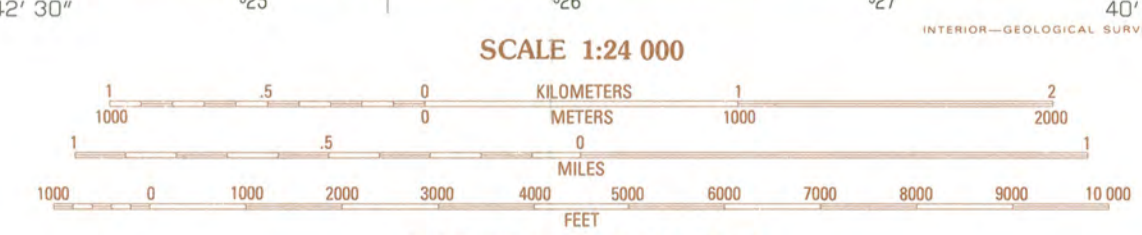




Yreka Carnegie Library  
412 W. Mine St.  
Yreka, CA  
Siskiyou County

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY THE UNITED STATES GEOLOGICAL SURVEY  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1974 AND 1976  
FIELD CHECKED 1981. MAP EDITED 1984  
PROJECTION UNIVERSAL TRANSVERSE MERCATOR  
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR, ZONE 10  
1800-FOOT STATE GRID TICS CALIFORNIA ZONE 1  
UTM GRID DECLINATION 012 EAST  
1980 MAGNETIC NORTH DECLINATION 18 EAST  
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929  
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
(19 meters north / 94 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map  
Gray tint indicates area in which selected buildings are shown

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
field check.



CONTOUR INTERVAL 20 METERS  
SUPPLEMENTARY CONTOUR INTERVAL 5 METERS  
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER  
OTHER ELEVATIONS SHOWN TO THE NEAREST METER  
To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048

1	2	3	1	Mc Kinley Min.
2	3	4	2	Badger Min.
3	4	5	3	Hawkinsville
4	5	6	4	Indian Cr. Baldy
5	6	7	5	Montague
6	7	8	6	Fort Jones
7	8		7	Duvel Rock
8			8	Gazelle

ADJOINING 7.5' QUADRANGLE NAMES

CONTOURS AND ELEVATIONS IN METERS  
ROAD LEGEND

- Improved Road
- Unimproved Road
- Trail
- Interstate Route
- U.S. Route
- State Route

YREKA, CALIF.  
PROVISIONAL EDITION 1984

41122-F6-TM-024

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER COLORADO 80225, OR RESTON, VIRGINIA 22092

**OFFICE OF HISTORIC PRESERVATION**  
**DEPARTMENT OF PARKS AND RECREATION**  
P.O. BOX 942896  
SACRAMENTO 94296-0001  
(916) 445-8006  
FAX: (916) 322-6377



**RECEIVED**

FEB 25 1992

**NATIONAL  
REGISTER**

February 14, 1992

Mr. Jerry Rogers, Keeper  
National Register of Historic Places  
National Park Service  
U.S. Department of the Interior  
P.O. Box 37127  
Washington, D.C. 20013-7127

Dear Mr. Rogers:

Subject: Nomination to the National Register of Historic Places  
YREKA CARNEGIE LIBRARY

We are submitting the above stated property for nomination to the National Register of Historic Places. The Property is located at 412 W. Miner Street, Yreka, California 96097.

Sincerely,

A handwritten signature in cursive script that reads "Steade R. Craig".

Steade R. Craig, A.I.A., Acting  
State Historic Preservation Officer

Enclosures

**Attachment K**  
Multiple Property Listing



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National Register of Historic Places  
Multiple Property Documentation Form

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This form is for use in documenting multiple property groups relating to one or several historic contexts. See instructions in *Guidelines for Completing National Register Forms* (National Register Bulletin 16). Complete each item by marking "x" in the appropriate box or by entering the requested information. For additional space use continuation sheets (Form 10-900-a). Type all entries.

A. Name of Multiple Property Listing

CALIFORNIA CARNEGIE LIBRARIES

B. Associated Historic Contexts

Carnegie Library Development in California and the Architecture  
It Produced, 1899-1921

C. Geographical Data

Boundaries, the State of California

See continuation sheet

D. Certification

As the designated authority under the National Historic Preservation Act of 1966, as amended, I hereby certify that this documentation form meets the National Register documentation standards and sets forth requirements for the listing of related properties consistent with the National Register criteria. This submission meets the procedural and professional requirements set forth in 36 CFR Part 60 and the Secretary of the Interior's Standards for Planning and Evaluation.

X Kathryn Kvalstein  
Signature of certifying official

10-22-90  
Date

State or Federal agency and bureau

I, hereby, certify that this multiple property documentation form has been approved by the National Register as a basis for evaluating related properties for listing in the National Register.

Antoinette J. Lee  
for Signature of the Keeper of the National Register

12/10/90  
Date

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National Park Service****National Register of Historic Places  
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CALIFORNIA CARNEGIE LIBRARIES

Section number   E   Page   1  **E. Statement of Historic Context: Carnegie Library Development in California  
and the Architecture it Produced, 1899-1921**

In the same year that gold was discovered in California, the nation's first legislation permitting tax support for a free public library was passed in Massachusetts; in 1850 in England the Public Libraries Act allowed cities with over 10,000 population to levy a tax in support of libraries. The evolving concept of free public libraries was not merely transplanted to the new settlements in the West, however. Rather, two centuries of New England library development were replicated in California over a period of about twenty-five years, beginning with the establishment of social libraries and reading rooms in many of the new communities of the state. In 1878 California passed enabling legislation for tax supported free public libraries. Typically, however, even the new municipal libraries were housed in temporary and inadequate storefronts, upstairs lodge rooms, and city hall basements. When, in the closing years of the nineteenth century, Andrew Carnegie initiated his most widely known philanthropy, providing funds to cities and towns for the construction of library buildings, California communities were ready to join older communities across the nation in the quest for buildings for their libraries. Terms of Carnegie building grants required that communities provide the land for the library building and a prescribed level of tax support.

California library historian Ray Held chose the year 1917 to close his record of "the rise of the public library in California" primarily because America's involvement in World War I slowed the growth of the public library movement, and also because it was the year of the sudden death of James Gillis, eminent California library leader whose accomplishment in initiating a statewide system of county libraries was recognized throughout the nation. "The year thus marked the end of an era in the evolution of the California public library."<sup>1</sup> Additionally, during the war years the Carnegie Corporation deferred grant applicants. After the war the Corporation redirected its library efforts and no further building grants were offered, although it was not until 1921 that the last of the previously funded library buildings was completed. In 1919, when all but six of the California Carnegie buildings were planned or completed, approximately 84% of California's public libraries were in Carnegie buildings.<sup>2</sup> The case can be made that by providing the library building--frequently a distinguished civic building--and by energizing a constituency to generate taxes and other funds for the library, the Carnegie program created a high level of popular and civic commitment to free public libraries that persists after more than half a century.

**1. History of Public Libraries in California, 1849-1922**

In his definitive studies of California public library history before the first World War, Ray Held identifies two major periods: 1849 to 1877, and 1878 to 1917. During the first period, many of the state's new communities sought to solidify their American status and accommodate

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the personal or group cultural needs of a growing population, by the initiation of small libraries. Social libraries were most often formed from the sharing of the private library of an individual or group. They were termed membership libraries when a fee was charged; when the fee was substantial, as in a more specialized or scholarly library, the term "proprietary" or "subscription" library was used. Lodges, women's improvement clubs, temperance organizations, and library associations of like minded individuals figured prominently in the establishment of early social libraries, typically run by a volunteer and located in a rented or donated room.

The Rogers Act of 1878 enabled incorporated cities and towns to levy a tax to maintain free public libraries and reading rooms, and to acquire property and erect buildings for that purpose. Of special importance to towns and cities with already established social libraries was its provision that municipalities could accept the property of a previously established library and allow the donor library to name half of the trustees of the new municipal library. The Rogers Act thus provided an incentive for library associations, lodges, and other groups, to donate their collections as the nucleus of the new public library, and provided stability and continuity to independently established small libraries. It was upon the foundation of municipal ownership of libraries that the Carnegie program was later to be predicated.

## a. Social libraries, 1849-1878

The first social libraries were initiated in 1849 in Monterey and in several mining communities. The Monterey Library Association was organized by the Reverend Samuel Willey, who upon his arrival from New England deplored the lack of Protestant churches, schools, and libraries, and set about to provide all three.<sup>3</sup> In the mining towns too, new arrivals felt the need for news, a supply of reading material, and symbols of home. Even though the latter were mostly short-lived endeavors, similar libraries and reading rooms appeared and reappeared in many parts of the state when there were sudden spurts of population. Other early libraries were in San Francisco; the three River towns of Sacramento, Marysville, and Stockton; towns surrounding San Francisco Bay as far north as Santa Rosa; and in the south at Santa Barbara and San Diego.

Particularly notable was San Francisco's 1851 Mercantile Library. Like its English and New England counterparts it was organized for and by the merchant class, with the goals of providing a meeting place away from temptation for its many young men, and to promote culture and learning. A number of other libraries were soon formed in San Francisco with similar goals and directed at various populations, including the 1853 Athenæum, organized by and for "Negroes," and the 1854 YMCA which provided the only free reading room in San Francisco.<sup>4</sup> The Odd Fellows library, for members and families, and the Mechanics Institute, incorporated by

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craftsmen, began in 1855. Even the largest and most secure of these experienced the problems typical of all social libraries: lack of adequate space, temporary locations, and unstable financing.

Marysville's library became a municipal agency in 1858 without benefit of permissive state legislation, and it too continued to exist in various temporary rented quarters, including the city hall.<sup>5</sup> San Jose, Oakland, Vallejo, Benicia, Napa, Petaluma, and Sebastopol soon began libraries, as did coastal cities such as Watsonville and Los Angeles.

Not all of the libraries formed in the early period were the direct antecedents of later libraries in the same community. The particular significance of the early reading rooms and subscription libraries is found in the social history of the individual town. Notable among the groups who initiated many of the early community libraries were the Odd Fellows, temperance groups, and women's groups seeking either to improve their own cultural climate or to alleviate a community problem.

After 1865, the number of social libraries began to increase significantly. State legislation passed in 1863, enabling certain types of groups to incorporate, had begun to be used by libraries, increasing their stability. Also, the period following the Civil War saw economic and population growth in the state as a whole, though library activity in the mining communities slackened. In San Francisco in 1868 the Mercantile Library built its own building, as did the Sacramento Library Association in 1871; such instances were rare, however, and the debt incurred contributed to their later financial problems. Libraries were formed in the Sacramento Valley at Colusa, Woodland and Davis, and at San Rafael, Tomales, San Mateo, Woodside, and Alameda; in the North Coast communities of Mendocino and Arcata; along the Central Coast in Santa Cruz, Hollister, Gilroy, Pescadero, Salinas, and San Luis Obispo; and in the South at Ventura.

### b. The Rogers Act of 1878

By the 1870's libraries in the larger cities were experiencing not only perennial financial problems and the inadequacy of temporary housing, but, to the degree that they were successful and their collections grew, they found they needed additional space. Library leaders began to consider the advantages of using the tax base of the municipality to fund their libraries. Previous library legislation had been limited to establishment and support of the State Law Library, authorization of certain types of fund raising, and permission to incorporate. In 1874 the legislature passed a law specific to Los Angeles, authorizing \$15,000 in bonds for the purpose of buying property and erecting a library building, although it did not specify that the library need be free. For various reasons the city did not act under its provisions.<sup>6</sup>

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In San Francisco, Andrew Hallidie, an immigrant Scotsman who had established the first factory to manufacture wire rope to move cable cars, had become president of the Mechanics Institute in 1868. Like fellow immigrant Scotsman Andrew Carnegie, he was a firm believer in the educational value of libraries, particularly as a means to reduce the temptation to young men of drinking and gambling. He also believed in the necessity for a well-stocked reference library. Among the many ways by which he attempted to expand the Mechanics Institute library and increase its public availability and influence were reduction of fees from \$5 to \$1, building the endowment, and opening the library to visitors. He may have attended the first meeting of the American Library Association, in Philadelphia in 1876, and did in that year visit major libraries in the east. When he became convinced that the answer lay in a free public library, he resigned from the Mechanics Institute presidency to work to campaign for public libraries, "with State Senator George H. Rogers serving as chief spokesman."<sup>7</sup> After the Rogers Bill became law, Hallidie served on the board of trustees of the San Francisco Public Library.

Less is known of the commitment to libraries of San Mateo legislator Rogers, who had earlier represented the foothill community of Columbia, and San Francisco, in the legislature. In 1877 he introduced Senate Bill Number 1, "An Act to establish and maintain free public libraries and reading rooms." Originally intended as special legislation for San Francisco, it was expanded to enable incorporated cities and towns to levy a tax, not to exceed one mill on the dollar, to maintain free public libraries and reading rooms, to acquire property, and to erect buildings to house the libraries. Cities and towns other than San Francisco would be permitted to accept the property of another library and let that library name half of the trustees of the new municipal library. Although two years later it was revised in order to conform to the 1879 constitution, the Rogers Act was a major turning point for libraries in California and its effect was profound. The foundation for municipal libraries was laid. All towns did not take immediate advantage of its provisions; social libraries continued in many towns and new ones were formed. However, as a result of the Rogers Act the context of expectations was significantly altered.

c. Municipal and social libraries 1878-1917

The first city to form a municipal library under the Rogers Act was Eureka, which had not previously established a library. Also using the new law in its first year were Los Angeles, Oakland, Ventura, and Petaluma. Together with Marysville, which had already formed a municipal library without benefit of Rogers, there were by the end of 1878 six municipal libraries in California. San Francisco itself, prohibited by the Rogers Act from taking over any of the existing libraries in the city, took longer to become established.<sup>8</sup>

Generally, the library-supporting municipalities were the largest cities. All eight cities shown by the 1880 census as having a population of more than 5000 had tax supported libraries by 1885. These were San Francisco, Oakland, Sacramento, San Jose, Los Angeles,

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Stockton, Vallejo, and Alameda. Eight of the ten cities with populations of between 2500 and 5000 in 1880 had libraries by 1885: Marysville, Santa Cruz, Napa, Santa Rosa, Santa Barbara, Petaluma, Eureka, and San Diego. The exceptions were Nevada City and Chico, both of which had earlier libraries but were without libraries at that time.

Although the 1878 legislation marked the beginning of widespread municipal support of libraries, in terms of housing the library collection, it meant only that the city paid the rent, or that the library was moved to a corner of City Hall. In Santa Rosa, the library was allocated space in City Hall just above the fire department where horses were stabled; the odor was said to be as objectionable as the frequent ringing of the fire bell; fortunately, after two years the city built a new fire station. A few more cities did erect separate buildings: San Pedro's first library building dates from 1888, Santa Barbara's from 1892, and Escondido's from 1894. Each of these communities later applied for and received Carnegie funding. With the help of a bequest, Stockton built a city library, and when in 1891 another philanthropist provided additional funds, a new and larger one was built and named for its benefactor. Carnegie funding was never sought.

Library historians Jesse Shera and Sidney Ditzion have identified ten causal factors of successful library development nationwide. As refined by Lewis Stieg, and applied to the first generation of municipal libraries in California, these factors were: the existence of a previous social library, favorable library legislation, economic stability, urban population, universal public education, scholarship and historical research, self improvement, religious and humanitarian groups, local pride, and leadership.<sup>9</sup>

More recently, California library historian Ray Held has applied Stieg's factors to social libraries in California before 1878, based on his own later comprehensive gathering of data for that period. He found that all the factors were to some degree important, especially where applied to a particular library; however, he found that certain factors in combination were particularly significant, whereas other factors had much less effect on pre-1878 library development.<sup>10</sup>

Held concluded that in California before 1878 there would be a library when there was a congruence of the forces of pride in community; the desire for the self-benefit to be derived from a center for books and reading; individual and, more especially, group leadership; and most important of all, "moralistic or uplift drive." If those forces were strong enough, the library would be sustained.

On the other hand, Held found that scholarship and research were far less significant in early library formation than perhaps they had been in the East. This was true in spite of the fact that there were specialized collections such as law libraries, the scientific collection of the Mechanics Institute (especially under Hallidie), and Bancroft's collection. The latter, though

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available to the public, was not considered a public library. Held also felt that legal status was a less significant causal factor; he contended that its lack had not stopped the initiation of libraries, and it had been provided as the need arose. The population and economic wealth of the community were helpful but many libraries thrived with far less than others. He found the effect of schools in relation to libraries to be indirect.

In considering the period after 1878, Held found that population of a certain size and density, and the existence of a previous subscription library, were the best indicators that there would be a municipal library. Social libraries continued to be formed, but in the context of a variety of new legalized options. Population also correlated closely with library collection size as reported by the U.S. Bureau of Education in 1885; an exception was Los Angeles with a very small collection.<sup>11</sup>

Studying the income and services of California libraries in the period between 1900 and 1917, Held noted that libraries began to offer more services and longer hours. There were more children's rooms, books were selected in a more scholarly fashion, and many libraries developed special collections. Larger libraries instituted branches, outreach programs, and public relations. But in the case of both large and small libraries he found the the most profound change was the advantage of a having a library building, and this came about primarily due to Carnegie funding.

Held noted that in California, as in the rest of the nation, in the last decade of the century there was an increase in both wealth and social concern, as well as growth of established urban areas and formation of new municipalities.<sup>12</sup> Southern California expanded with the incorporation of many new small communities. Between 1882 and 1894, library numbers jumped from four to eleven in Southern California. In the same period, the number of libraries in the greater Bay Area increased from eight to ten, and in the Sacramento Valley from three to five.

This surge in library development was matched and then exceeded in the next few years, especially in many smaller towns that were exhibiting rapid growth. In Southern California between 1894 and 1903, fourteen libraries were established, seven in towns that had populations of less than one thousand at the previous census. Population increases of 30% to 50% were not uncommon; Long Beach was exceptional with a population increase from 2,252 to 17,809 between 1900 and 1910. During the same years, communities in the southern part of the San Joaquin Valley, and many in the Sacramento Valley, demonstrated significant growth in population and numbers of libraries. With the development of water delivery systems to the Imperial Valley, several new communities were established and libraries were incorporated in the two largest almost immediately.<sup>13</sup>

Municipal libraries and branches were meeting the needs of the urban population, and formed the basis for the growing professionalism in librarianship, but township libraries and

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travelling libraries, designed to serve the rural population, were not proving as successful, providing insufficient services and proving too diverse to administer. Legislation passed in 1909 permitted the formation of library districts, and after 1911 a library could be established within an existing high school district. District libraries and county libraries accounted for most new libraries established after 1910 in unincorporated communities. An intensive effort to organize county libraries grew out of the efforts of James Gillis, State Librarian from 1899 to 1917, to bring State Library services to remote areas.

Although county libraries had been established by the legislature in 1850 as document repositories in each county seat, they existed in name only. Gillis' answer to the need for equal library service in rural areas was to expand the county library concept, with branches as needed, administered by the Board of Supervisors and backed by the resources of the State Library. Permissive legislation was passed in 1909 and revised in 1911. Teams of "library organizers" travelled throughout the state, county by county, enlisting the support of women's clubs, Farm Bureaus, parents and teachers, and the Supervisors themselves. Many of the new county libraries flourished, but a few counties have never formed a county library and instead contract for service with an adjacent county. The record of the travels and encounters of county library organizers Harriet Eddy and May Henshall provide a remarkable insight into California library development in the first two decades of the century.<sup>14</sup>

## 2. Andrew Carnegie and Library Philanthropy, 1886-1917

Philanthropy began to be a significant factor in library development in the last half of the nineteenth century. Earlier philanthropy had most often involved the gift or bequest of books from a private library, or initiating or enhancing a university, social, or municipal library. The Harvard Library, Boston's first public library, and numerous New England town libraries exemplified this private benefaction. Public library enabling legislation usually provided for the acceptance of such gifts. In the years following the Civil War, philanthropy became increasingly important and also more controversial. With the rise of the great industrial fortunes there was not only more concentrated wealth, but there were more poor. Library benefaction was viewed by some as reflecting the democratic belief in education, and by others as an attempt at social control.<sup>15</sup>

Major philanthropic gifts of John Jacob Astor and James Lenox were eventually combined with Samuel Tilden's to form the basis of the New York City library system. Enoch Pratt's Baltimore library philanthropy was specifically cited by Andrew Carnegie as his own model, demonstrating that "the best means of benefiting the community is to place within its reach the ladders upon which the aspiring can rise."<sup>16</sup> One of the major legacies of Carnegie's library program was its encouragement to other potential benefactors throughout the nation. Carnegie became the symbol of library philanthropy.



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a. Andrew Carnegie and buildings for libraries.

Andrew Carnegie, Scotch immigrant and self-educated millionaire industrialist, had already endowed several libraries by 1889 when he wrote "Wealth;" it became more widely read after its republication in 1900 as the title chapter of the more widely read The Gospel of Wealth and Other Essays. In it he advocated disposal of "surplus wealth" by attending to its distribution while alive. Libraries exemplified Carnegie's own self-help concepts; "The fundamental advantage of a library is that it gives nothing for nothing. Youths must acquire knowledge themselves."<sup>17</sup> This philosophy is said to have developed from his own youth when a private library was made available on Saturdays to the young working men of his community. In 1900 Carnegie sold his steel holdings to what would become U.S. Steel and began his philanthropy in earnest; the program was administered through the Carnegie Corporation after 1911. Of the Carnegie philanthropies, libraries were a proportionately small part but are probably the best known.

The library building itself became the focus for Carnegie funding, again as an aspect of the concept of self-help. Many communities had established social libraries or municipal libraries but continued to be handicapped by the vagaries of volunteer staffing and the difficulty of securing adequate housing for the books. Even under city management, there was a tendency to locate the collection in temporarily available, often inconvenient quarters.

Carnegie's earliest library philanthropy was more representative of the paternalistic philanthropy of the newly wealthy in the last quarter of the century. Typically, a home town or principal residence of the donor received a library, not requested by the recipient, fully endowed by the donor on a site selected by him, and dedicated with elaborate ceremony in his honor. The first Carnegie library gift was to his native Dunfermline, Scotland, in 1881. Between 1886 and 1896 he endowed several libraries in Pennsylvania, in what he later termed his "retail" period of library philanthropy.

By contrast to the more usual style of philanthropy, in the "wholesale" period beginning in 1898, Carnegie provided all or substantially all of the funds needed for a building, at the request of the community. The community was required to provide a specified level of tax support for the book collection, staffing, and building maintenance, and to provide a site; selection of the site was left to the community. Later, Carnegie did reserve the right to approve plans.

There was considerable contemporary criticism of the Carnegie program. Some members of the emerging profession of librarianship believed it inevitable that small libraries would be inadequately staffed and lacking in literary and informational resources. Some believed that

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the public library movement was expanding too rapidly, propelled more by Carnegie's personal conviction than from public demand; others, including cities with strong labor movements, were critical of the source of the Carnegie money. These views appeared in article and speeches, in satire and cartoons.<sup>18</sup>

Little or no architectural precedent existed for the small community library building. Typically, outside of the large cities, few architects designed more than one. However, some architects became Carnegie specialists, such as Patton and Miller of Chicago, who designed more than one hundred Carnegie libraries for midwestern towns and colleges.<sup>19</sup> In California William Weeks designed twenty-one Carnegie libraries. Large civic buildings were the frequent model and community pride led cities to demand library buildings as extravagant as their neighbors'. During most of the Carnegie period the style of the buildings was directly influenced by the 1893 Chicago Columbian Exhibition and the City Beautiful movement, where Daniel Burnham had re-introduced classical design; it was spread by subsequent exhibitions at Buffalo and St. Louis, and later San Francisco. The earlier Greek Revival had been "so widely popular that it entered the vernacular."<sup>20</sup> Carnegie funding of library buildings in many small and medium sized cities in the period immediately following the exposition contributed to a similar proliferation of the classical revival style.

A request for a Carnegie grant was as simple as a letter to Andrew Carnegie, New York, New York. The answer would come from James Bertram, hired by Carnegie to be his private secretary in 1897 when his library and church organ philanthropies had attracted sufficient attention to need personal supervision. Bertram soon had devised a questionnaire designed to elicit information about the town's population, its existing library if any, and its finances. The questionnaire carried a clear implication that the response should come from a city official, and subsequent correspondence was usually carried on at that level. Upon the receipt of an adequately prepared questionnaire, an offer would be made, with the amount based on population, and accompanied by the stipulation that the city must provide the site for the library and commit itself to an annual amount equal to 10% of the grant for maintenance of the library.

Over time there were some changes in the process. Bertram required that the city pass a resolution to verify that the land acquisition had been completed and that the tax had been voted. After 1907 Bertram required that all building plans be submitted for approval. In 1911, after consultation with library and architectural leaders, Bertram devised and sent to all applicants his "Notes on the Erection of Library Buildings."<sup>\*</sup> The "Notes" suggested ways of achieving the primary purpose of the building design, "to obtain for the money the utmost amount of effectiv

*\*Note: The word "bilding" is an example of the simplified spelling, introduced to Carnegie by Melvil Dewey, originator of the Dewey decimal system of book classification and first president of the American Library Association.*

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accommodation, consistent with good taste in building," offered six efficient library floor plans designed for different shaped lots, and, in passing, provided an example of simplified spelling used in all of the Carnegie correspondence. Bertram stressed one story and basement as most practical, and he insisted on a large well-lighted reading area, with high windows to leave wall space for shelving. Fireplaces were discouraged, not because of fire danger but because they occupied too much space; the building could be heated more practicably from the basement. Architectural style was not specified, nor were communities asked to use the name "Carnegie" on the building.

Only after Bertram's final approval was the treasurer of the Carnegie Corporation authorized to release funds, usually in increments of a few thousand dollars on certification of completed work. In later years, cities were required to indicate by resolution, prior to release of any funds, their understanding that the grant was to cover the completed building ready to function as a library. They were also asked to send a photograph of the completed building.

Bertram insisted that all communication be by letter; personal interviews were rare. The Carnegie Corporation files, arranged alphabetically by city and now on microfilm, provide a fairly complete record of transactions. Unfortunately the original correspondence was then destroyed, and the microfilm of the fragile old letters, and of the thin carbon copies of Bertram's replies, is very difficult to read. Each file usually contains one letter from each of the respondents representing each stage outlined above, plus as many additional letters as it took for the city to correctly supply the requested information, or to ask for and usually be denied extra funds, or to achieve plan acceptance. In rare cases there is even a thank you letter.

Less rarely, a series of later letters will ask about appropriate future building use or the city's rights in regard to building alteration or disposal. Earlier in the program the response was that the building had been given for a library, and other use was a breach of faith. Later, communities were told that the building was theirs to use, sell, or destroy, but that it was the because it was long overlooked, custom in such cases to affix a plaque to the new building identifying the Carnegie history. The files contain no plans; they were returned to the cities. There are no photographs in the files and their fate is less clear; however, correspondence indicates that relatively few cities complied with this request once the building was complete.

In 1916 the Carnegie Corporation Board of Trustees commissioned an independent evaluation of the library program, resulting in the Johnson Report, which noted the important accomplishments of the program but advocated that in the future more funds should be provided for library service and less for buildings. The Board shelved the report, but two years later stopped accepting requests for building grants. In response to inquiries, Bertram cited the war as the reason for the interruption of funding; after the war it was simply not resumed. Subsequent Carnegie Corporation library funding focused on substantial contributions to the

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American Library Association, the Library of Congress, library schools, academic library programs, and studies and conferences in the United States and the United Kingdom.

Controversy over the value of Carnegie's contribution has not entirely abated. Writing in 1968 about the Wisconsin Carnegies, Macleod criticized Carnegie for providing library buildings only, without attempting to influence library policy in areas such as minimum standards in the hiring of librarians or in book selection. He contended that most cities just accepted the building without any sustained commitment to improve library service, and concluded that the course of library development would not have been much different without the Carnegie philanthropy. In a review of the Macleod book, Bobinski asserted that his extensive study of Carnegie libraries nationwide had documented the program's direct impact on public libraries by helping speed their development and growth; indirectly the Carnegie philanthropy stimulated other library benefaction, and the terms requiring adequate city tax for library maintenance led to a more general acceptance of the principle of government funding for public libraries.<sup>21</sup>

## b. Carnegie libraries in California

As previously noted, a few California libraries had constructed their own buildings before the beginning of the Carnegie program, including the San Francisco Mercantile Library, Sacramento and Oakland library associations, and libraries in San Pedro, Santa Barbara, and Escondido. However, by 1917, according to Held's studies, a "very large majority" of California public libraries were in their own library buildings. Most of those libraries had survived the years as struggling social libraries, followed by additional years as tax supported city libraries, moving from temporary rooms in a lodge hall to the not always more secure room set aside in City Hall. Approximately one-fourth were new libraries, formed with the expectation of a gift building to launch the project. Philanthropy thus offered security to and stimulated the expansion of the public library.<sup>22</sup>

Between 1886 and 1917 Carnegie donated over \$41 million for 1,679 library buildings in 1,412 communities in the United States. He funded another 830 library buildings were constructed in Canada, the British Isles, South Africa, Rhodesia, India, Mauritius, Australia, New Zealand, and Fiji.

The first Carnegie grants to libraries in California were made in 1899. San Diego was offered \$60,000 in July of that year, followed by Oakland (\$50,000 in August) and Alameda (\$35,000 in October.) The next offer was to Fresno in 1901, and thereafter in every year until 1917 at least one California community learned that its request for a Carnegie library had been approved. Although applications were not accepted after 1917, some buildings were not completed until as late as 1921. In the fewer than twenty years between 1899 and 1917, Carnegie funding contributed to the construction of 142 library buildings in 121 communities

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in California, second only to Indiana's 164 buildings in 155 communities. In total funds allocated, California ranked fourth among the states with \$2,776,987. When this figure is applied to the population, California was eleventh, with \$48.9 per 100 population. 23

The grant amounts listed for San Diego, Oakland and Alameda suggest a higher expenditure per library than came to be the case. In general, earlier libraries were granted larger amounts, though there were exceptions. The smallest grant for a municipal library was \$5000 to Biggs in 1906; In 1914, Sacramento received \$100,000, the highest sum allocated for one California Carnegie.\* San Diego's \$60,000 was the second highest. Of the fourteen libraries funded before 1903, only one received \$10,000 and the average allocation for the other thirteen was \$32,000. Beginning in 1903, the sum of \$10,000 appears more frequently, and by the end of the program fifty-six libraries had been granted that amount, with funding for the remaining libraries divided approximately equally above and below.

The majority of the library grants went to small cities; in the larger cities, branch libraries were emphasized.\*\* The largest grant, \$750,000, went to San Francisco, half designated for construction of the main library and half for construction of seven branch libraries. Oakland received \$50,000 toward construction of its main library and, later, \$140,000 for four branches, and Santa Cruz and Santa Monica received additional grants for branch libraries long after construction of main their libraries. Los Angeles received \$190,000 for six branches. Some Carnegie cities "disappeared" and their libraries became branches. East San Jose was a city for only five years before annexation to San Jose, during which time it constructed its Carnegie library. East San Diego also constructed its Carnegie prior to annexation to San Diego. Eagle Rock, Hollywood, San Pedro, and Watts, all cities when their Carnegies were built, were later annexed to Los Angeles and their libraries all became branches of the larger city system.

Additional funds were occasionally granted, especially in the earlier years, for expansion and earthquake repair, but almost never to meet any unexpectedly high costs. Sometimes communities themselves provided extra funds to construct a grander library, or to complete the library as planned even though costs had exceeded original estimates. These variables, not always reported in consistent fashion, lend a degree of uncertainty to statements of the cost of a given library.

Later, smaller grants often went to new towns, or to smaller towns which had previously hesitated to undertake the commitment required for a Carnegie grant, but which later found the

*\*The exceptional example of San Francisco, funded with its branches, is discussed elsewhere.*

*\*\*The number of branch libraries in California corresponds fairly closely with the number nationwide. In California, the 142 public libraries were built in 122 cities; 14% of the Carnegies were branches. This compares with a national figure of 16% if New York City's sixty six branches are counted, 12% if they are not.*

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way opened by California legislation permitting library formation within high school districts and special districts. Also, some smaller cities applied for Carnegie grants through the county library system and were established as branch libraries. The three smallest grants, \$2500 each, were for branch libraries in what were in 1915 very small communities in Contra Costa County: Antioch, Concord, and Walnut Creek. Of thirteen grants for \$5000 or less, all to small towns or branch libraries, all but three were granted after 1913.

Site selection, left to the discretion of the towns as an aspect of their obligation to provide the site itself, was sometimes a source of controversy. In most towns with an antecedent social or municipal library located in a retail, civic, or fraternal building, a site in or near the downtown was easily decided upon. San Anselmo, Eureka, Grass Valley, and Hollister are examples. Some town, alternatively, created a "library park," as in Livermore, Exeter, and Orland. A site was sometimes donated or sold at less than market value; frequently, fund raising to meet the partial or full price would dominate the newspaper social pages for months. However, the newspaper, as well as trustee minutes, and sometimes even the Carnegie correspondence, also reveal disputes focused on the motives of the donor of a site, or a debate between rival sites. In the case of branch libraries, decisions even more political, involving decisions between rival factions and neighborhoods. Bertram rarely entered those controversies, the exceptions occasioned by a site, usually a gift, too far from a population center. Van Slyck explores these issues in two chapters entitled "The Beacon in the Slums" and "A Temple in the Park."<sup>25</sup> Her example for the former was Oakland and the role of developers in site advocacy. Ultimately two branches were located in established working class neighborhoods, and two in outlying, sparsely settled, new middle-class neighborhoods.

Siting problems highlighted some of the basic divisions about the purpose of the library.\* To "help people to help themselves," it needed to be located near those who needed help, including new immigrant populations. In the large cities, many of the most energetic proponents of public libraries, for themselves and for others, were relocating in newly developing residential areas. The cost of lots for branches in large cities posed a substantial problem. San Francisco built its first branch in the just developing Richmond district on a large city-owned lot, and its second in

*\*Enunciated in the 1852 report of the first Boston Library Board of Trustees was the concept of the free public library as providing people with the means to formulate their political ideas independently. To that end, the most popular works of fiction were to be provided to attract readers to the library, and the library should be located where fully accessible to all. It accommodated the goal of assimilation of immigrants, and was seen as a counter to "dangerous" forces seeking to organize working classes, and so is seen by some as an exercise in social control. <sup>26</sup> Also enunciated in the Boston statement, but then as now occupying a secondary role, was the public library as a resource for scholars. The relative emphasis given to meeting the needs of the several library user populations is still the subject of date.*

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its most populous district, the Mission, paying \$12,000 for property 117'x60'. Like Oakland, San Francisco divided its Carnegies, albeit somewhat unequally, between its oldest and most populous areas (Mission and Noe Valley), an area of predominantly Italian and other foreign populations (North Beach, now Chinatown), and its wealthier and newer areas (Golden Gate Valley, Presidio, Richmond, and Sunset).

Geographical locations were diverse, ranging from Alturas, Yreka, Eureka, and Ferndale in the north, to Calexico at the Mexican border. There were clusters, especially near Los Angeles and around San Francisco Bay, but Carnegies were located in thirty-eight of the fifty counties. There were twenty-one in Los Angeles County, ten in Alameda County, eight in San Francisco County, six in Tulare County. Seven counties had five Carnegie libraries and twelve counties had just one. California counties in which no Carnegie was built were Amador, Calaveras, Del Norte, El Dorado, Inyo, Kern, Lassen, Mariposa, Sierra, Sutter, Tuolumne, and Yuba. In Yuba County, Marysville was the only incorporated city during the period of Carnegie philanthropy and already had its own building. In Kern County, the only city besides Bakersfield was Tehachipi with a population of just 385. There was no incorporated town in Calaveras County and in each of the other counties there was just one incorporated town, very small.

### c. Carnegie-funded academic libraries in California

In addition to public library buildings, Carnegie funded more than one hundred college and university libraries. Carnegie library contributions to educational institutions began as early as 1900 with funding of a \$32,000 library building at Grove City College in Pennsylvania, and a \$20,000 building at Tuskegee Institute in Alabama. Most building grants were given between 1900 and 1906, though a few were granted as late as 1915, and in several cases funding that had begun earlier was continued into the 1920's. The number of educational institutions which received grants for library development, mostly for books, exceeded the number receiving library buildings, but the \$4.2 million for buildings was almost double the total given for library development. In California, Carnegie funded library buildings at Pomona College and at Mills College.<sup>24</sup>

Pomona College was offered \$40,000 in 1905, on the condition that the college raise another \$40,000 in new endowment to provide for its maintenance. After a successful fundraising campaign, the cornerstone was laid in 1906. The design by F.P. Burnham called for reinforced concrete. The collapse of a reinforced concrete hotel in Long Beach resulted in last minute revision of specifications; the substantial added cost of the building was borne by the college. The library opened in 1908 and served as a library until 1953 when the interior was remodelled to house the departments of economics, government, sociology, education, and oriental affairs; additional interior remodelling and exterior repair took place in 1968.

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The early days of the pre-Carnegie Pomona College library were similar to those of many California community libraries. The nucleus of the collection was the 1889 gift of a personal library, and reading room space was provided in the YWCA alcove of one of the college buildings. Subsequently the collection was moved twice, occupying space in classroom buildings until completion of the Carnegie.

The college was asked to provide the same information as were towns; because there was no municipality they emphasized their endowment and the solid character of the college trustees, "that body being composed of some of the strongest business men in Southern California." Carnegie and Bertram may also have been persuaded by the fact that the college library was open to the residents of Claremont, which at the time of application was unincorporated. Also, the proposed Carnegie location was a public park donated by the town to the college "on condition that the college library be free for the town and no other building be placed on it."<sup>27</sup>

Mills College was granted \$20,000 in 1905, and the Margaret Carnegie Library was dedicated November 17, 1906, its original dedication date of May 5, 1906 having been postponed because of the earthquake. The building was named for the daughter of Andrew Carnegie. Designed by Julia Morgan, it was the only California Carnegie building designed by by that noted architect. The senior gift of the Class of 1906 was the Pantheon frieze surrounding the wall of the vestibule. Located on a prominent campus site between the administration building and the campanile, the building still serves as college library, although considerably expanded by addition of a separate wing.

d. "Non-Carnegie" libraries: Other Philanthropists, and Towns that did not build Carnegies.

Local library philanthropists predated Carnegie in California, although Carnegie's early library giving elsewhere may have influenced the donors' decisions. In Stockton, two separate benefactors, in 1883 and 1891, left money for a library building. The Smiley brothers of Redlands were active sponsors of their library even before donating land and funds for a building completed in 1898; in 1906 they contributed additional funds for a new wing. The family of Truxton Beale in Bakersfield donated a library in his honor in 1899. Some gifts more contemporary with Carnegie's California library benefaction were in Marysville, Napa, Oroville, Red Bluff, and Modesto. Red Bluff and Modesto both applied for and were offered Carnegie funding, but it was declined presumably when the local philanthropy materialized. Oroville later applied for Carnegie funding and it was granted.

Other larger cities which did not apply for Carnegie funding include Pasadena and Santa Clara. The library association together with the city funded the Pasadena library before 1900. In Santa Clara, the matter of starting a library or applying for a Carnegie grant was the subject of



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debate over a period of years, with the newspapers listing names and amounts as other cities received grants. It was estimated that Santa Clara would be eligible for \$10,000. In response, the President of the Board of Trustees wrote in his 1902-1903 report:

The Library proposition crops up yearly. It is not considered the proper caper by the Board of Trustees to invite Mr. Carnegie to invest his money in a library building in Santa Clara when the Town possesses no books to fill the shelves. . . But the physical impossibility of raising the amount of money per annum which Mr. Carnegie demands, when the provisions of our charter do not allow us to levy a tax in excess of three cents for library purposes, presents itself. . . At last year's assessment basis, we could ask Mr. Carnegie for an appropriation of less than \$4,500. . . an amount entirely inadequate.<sup>28</sup>

A short while later, the Santa Clara News published a telegram purportedly from Carnegie:

Editor News, Santa Clara, Cal.--I regret that you are unable to raise \$1000 per annum for maintenance of library. I fully realize the great hardship it would be for your people were their taxes to be raised ever so little while the prune market is so very dull. I would gladly endow the library were it not that this would cause jealousy in the other places where I have established libraries. I have been spending sleepless nights trying to think of some way in which the library could be maintained without being any or much expense to your citizens. Will not some public spirited business man perform the duties of Town Treasurer without the salary, leaving the \$800 to go towards the support of the library. If there is any one in your town looking for a job, he might be appointed librarian and receive the \$800 for his services. If he had any spare time he could act as Town Treasurer also (gratis). This would leave but \$200 to be raised, which amount might be raised by a high license on the telegraph and telephone companies and on dogs. Rather than my plans should be frustrated, if you cannot find anyone willing to act as Librarian and Treasurer I would be willing to undertake the arduous task myself if you you can find some place for us to live until the new hotel is built.<sup>29</sup>

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Benicia is an example of a town which applied for and received the promise of Carnegie funding, and then did not use it. Application was in 1903 at the instigation of the Women's Improvement Club. The City Trustees voted to provide a 50'x50' portion of City Hall grounds for the library, but a year later decided to submit the issue to the voters. The vote was then postponed until a special election to avoid confusion with other city issues on the ballot. The special election apparently was never held and it was 1906 before the city formed a free public library, again under pressure from the Women's Improvement Club, and 1910 before they provided space for it in City Hall.<sup>30</sup>

It appeared for some time that San Francisco would be among those which did not accept a preferred Carnegie offer. In a 1901 handwritten letter from Andrew Carnegie to Mayor James Phelan, \$750,000 had been offered for a main library and branches. It was 1912 before the Board of Supervisors voted to accept the money. The Labor Council, opposed to accepting money "tainted" by the Carnegie Steel anti-union reputation, then took the matter to the voters whose ratification of acceptance was reported as follows in one publication:

### Carnegie's Money is Good

San Francisco, through its Board of Supervisors, has finally announced itself as pleased to accept \$750,000 of Andrew Carnegie's money for the construction of a public library. The board is willing to forego any careful scrutiny of the method by which Carnegie accumulated his millions by trust manipulation and under paying laborers, if he will only make good his offer of 11 years ago. His wealth is not looked upon as loot, and is therefore not so tainted but what San Francisco's self-respect does not forbid it to accept the gift.<sup>31</sup>

#### e. The Carnegie Correspondence

Review of the correspondence leading to the construction of each of the Carnegies in California would contribute a great deal to the understanding of the Carnegie period in California. For most libraries there are two forms: (1) Bertram's record of application date, correspondent, and grant amount, date, and terms; and (2) the form completed by the city with requested information about population, assessed evaluation, and current library facilities if any. Unfortunately, the latter form is usually illegible on microfilm. Some correspondents included a review for Carnegie's and Bertram's benefit of the town's history or its library history, and a picture of current civic expectations, as well as names and signatures of city and library officials. The personality of James Bertram emerges as dedicated to Carnegie's principles that the library program should operate in a climate of thriftiness and self-reliance, and holding the line against the tendency of some civic advocates to oversell their case. The correspondence is not always complete and is very difficult to read, but from it can be gleaned many examples that

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typify issues that arose as a city sought a building to provide a permanent home for its library and to symbolize its civic and cultural advancement.

Sometimes issues of siting were discussed in the correspondence, but Bertram usually left that issue to the cities unless there was a particularly inappropriate location. Most correspondence deals with Bertram's efforts to obtain from the cities proper verification regarding provision of the site and tax support, and the cities effort to obtain from Bertram an approval for their plans, after his careful review of their plans with an eye to eliminating any wasted space with the potential for wasted money.

Many cities hoped that Carnegie could be enticed to visit "his library" on a 1910 trip to Southern California with his wife and daughter. Santa Barbara and Long Beach are two cities they did visit. A common misconception about Carnegie libraries is that all were required to advertise the name of Carnegie. No instance of the subject was found in the correspondence reviewed. San Diego, Escondido and Imperial are among the several libraries that did bear the Carnegie name.

### 3. The library profession and the roles of women

Both men and women, as members of organizations and as individuals, were instrumental in the establishment of the early social libraries in California. Among the many groups involved were the International Order of Odd Fellows, temperance groups, YMCA, ministers, formal and informal women's groups, and groups of concerned citizens. Masons provided space in their lodge rooms for a number of social libraries, and ceremonies conducted by Masons made civic occasions of the cornerstone laying of many libraries. When reported in the newspapers, with background descriptions of the events preceding the auspicious day, these news stories can provide a fascinating if not always totally accurate record of the early library history. Library boards of trustees traditionally presented the officiating Masons with silver trowels symbolic of the occasion, many of which are on display in Masonic buildings. All of these groups, perhaps particularly the IOOF and WCTU, deserve additional study.

Because women appear to have played a more significant part in the support of California libraries than was the case in the eastern states, because their primary position changed over time from volunteer initiators to trustees and librarians, and because their influence was long overlooked, the role of women merits particular attention. Shera and Ditzion, library historians writing in the mid 1940's, and from a national perspective, give little credit to contributions by women to the library movement. Held, studying the development of public libraries in California, and noting the importance of men's organizations, adds that "community women's organizations were most often a prime factor in planning and sustaining a library;"<sup>32</sup> and Mussman believes that women were more influential than acknowledged by Held.<sup>33</sup>