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PHASE II ENVIRONMENTAL SITE ASSESSMENT

**Former Al Stack's Radiator Shop
Vacant Parcels of Land
301 Petaluma Boulevard North
Petaluma, Sonoma County, California
April 17, 2021**



Prepared By
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ATTACHMENTS

1. INTRODUCTION

This document presents the results of an investigation performed by phase1assessments.com (Phase 1) and Mr. Farshad Vakili, P.E. on the Former Al Stack's Radiator Shop and Vacant Parcels of Land located at 301, 323, and 329 Petaluma Boulevard North, Petaluma, Sonoma County, California (Subject Property).

The Subject Property is situated at the Sonoma County Assessor's Parcel Number APN: 006-161-022-000 which is approximately 0.31 acres of land for the Former Al Stack's Radiator Shop, and APN: 006-161-021-000, and APN: 006-161-016-000 for the vacant parcels of land in which each is approximately 0.16 acres of land.

A Phase I Environmental Site Assessment Report (ESA) was completed for the Subject Property on March 23, 2021 for Ms. Cara Recine by Phase 1. Mr. Vakili performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the Subject Property. Based on the data obtained during the site visit, the environmental database search and historical documents review, and information provided by the site owner/operator; the Phase I ESA revealed evidence of existing and historical recognized environmental conditions in connection with the Subject Property including two existing inground hoists inside the former garage structure, four floor sumps inside the former garage structure, the Hazardous Waste Management Area (HWMA) inside the former garage structure with stains on the concrete, the replaced concrete area inside the former garage structure, and the existence of a former laundry shop shown in 1906 and 1910 Sanborn Maps inside the former garage structure. Therefore, Phase I ESA concluded that an investigation inside the former garage structure was required to evaluate the subsurface conditions.

Mr. Vakili reviewed the Phase I ESA recommendations, and concurred that soil investigation was required at the Subject Property nearby the floor drains, the former laundry location, the replaced concrete area, and the existing inground hoists nearby the former hazardous waste management area inside the former garage structure.

This document is considered to be the Phase II Environmental Site Assessment Report (Report) and is in compliance with the approved Scope of Work approved by Ms. Cara Recine. Please Attachment 1 for the locations of Boring Ports. The purpose of this Report was to collect six soil samples at depths of 5-10 feet below ground surface (bgs) inside the garage structure at 301 Petaluma Boulevard North in Petaluma, California to evaluate the subsurface conditions. This Report revealed the results from the investigation conducted at the Subject Property on April 5, 2021. Soil samples were also collected and analyzed for total petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons. Please see the investigation and drilling photographs in Attachment 2. Mr. Vakili obtained the USA Ticket Number for this project after marking the boring locations on April 1, 2021 inside the Subject Property. The USA Ticket Number was issued as USA Ticket Number: X108903305-01X. Please see Attachment 3 for the copy of the USA Ticket document.

2. SCOPE OF WORK

As the result of the discussion with Ms. Cara Recine, a Scope of Work was prepared by Mr. Vakili, and later approved by Ms. Cara Recine. Please see Attachment 1 for the schematic diagram for the suggested boring ports.

The Scope of Work indicated that the final report included:

1. The map of sampling locations, and consultant qualifications.
2. The collection of six soil samples inside the former Al Stack garage structure inside the Subject Property at 5-10 feet below ground surface (bgs). The collected soil samples were planned to be collected and analyzed for total petroleum hydrocarbons gasoline, volatile organic compounds, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons.
3. A final summary report describing rationale for boring locations, sample depths, sampling methods, soil results, and a map showing sample locations was planned to be submitted to for satisfactory review. If contamination was found, the report was planned to include estimated costs and timing for any remediation necessary to obtain agency case closure under the oversight of the applicable environmental agency, with the goal to obtain a Case Closure/ No Further Action letter.

Soil samples was planned to be collected at the specific boring ports in accordance to the enclosed boring map in Attachment 1. The collected soil samples were planned to be submitted to the accredited laboratory for chemical analysis. The analytical results were planned to be compared to United States Environmental Protection Agency, and/or California Department of Toxic Substances Control Recommended or Regional Screening Levels for further discussion, if any.

This is also the Work Plan for review and approval prior to the start of the investigation. The Work Plan will also include a site-specific Health and Safety Plan for the scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120).

3. SITE OVERVIEW

The Subject Property includes a historic automotive service shop as known as former Al Stack's Radiator Shop in a commercial structure of approximately 9,760 square feet in approximately 0.31 acres of land constructed in approximately 1920s. The Subject property also includes two asphalt paved vacant parcels of land. The Subject Property is situated at the Sonoma County Assessor's Parcel Number APN: 006-161-022-000 which is approximately 0.31 acres of land for the Former Al Stack's Radiator Shop, and APN: 006-161-021-000, and APN: 006-161-016-000 for the vacant parcels of land in which each is approximately 0.16 acres of land.

The Subject Property is zoned Vehicle Rental/Vehicle Sales with residential neighborhoods located on Prospect Street, Kentucky Street, Oak Street, Martha Street, Keller Street, and Liberty Street while commercial retail stores are located in Petaluma Boulevard, Washington Street, Copeland Street, and Lakeville Street.

4. ENVIRONMENTAL SETTING

Geologic formations in the Petaluma Valley include a variety of soil and rock types including organic muds, alluvium and alluvial fan deposits, sandstone with clay, volcanic materials, and mélangé (Conestoga-Rovers & Associates [CRA] 2015). The elevation of the Site is approximately 58 feet above mean sea level, and the topography has a gentle slope to the east. The Site is generally underlain by fine-grained soils (clays and silts) and coarse-grained soils (sands, silty sands, and fine gravel) at varying depths and thicknesses to a maximum depth of approximately 35 feet bgs (CRA 2015). However, the borings collected from the nearby Shell Service Station at 421 Washington Street, boring logs suggested that this coarse-grained material identified as soil between 13 and 35 feet bgs is likely weathered bedrock (CRA 2015). The fine and coarse-grained soils were underlain by bedrock consisting of siltstone, sandstone, and basalt at depths ranging from just below the surface to the total explored depth of 56 feet bgs (CRA 2015). Most of the wells are screened in highly weathered and fractured basalt, which has frequently been encountered between 15 and 20 feet bgs but may occur at deeper intervals to the east.

Historical groundwater flow direction has predominantly been towards the east to southeast. The first quarter 2018 groundwater monitoring event showed groundwater flowing to the east at a hydraulic gradient of 0.03 feet per foot (AECOM 2018 for 421 Washington Street). Groundwater elevation ranged from 22.98 to 40.29 feet above mean sea level.

5. FIELD ACTIVITY/BORING LOGS

On April 5, 2021, Mr. Vakili visited the Subject Property at 8:00 a.m., and met with the crew from Environmental Control Associates (ECA) including Mr. Brad Pyle. ECA is based in Santa Cruz, California, and is specialized in environmental drilling and direct push sampling services since 1991. ECA is fully-insured and has a C-57 Drilling Contractor License #695970. ECA operates a variety of Geoprobe trucks and limited access rigs.

ECA crew started the implementation of the approved Scope of Work which explained to them by Mr. Vakili. Mr. Brad Pyle of ECA, Ms. Stack (Owner), and Mr. Vakili of Phase 1 reviewed the proposed Health & Safety Plan for the drilling procedures. Mr. Vakili initiated the site investigation pursuant to the approved Scope of Work. Mr. Vakili already selected and marked the boring locations inside the former garage structure on April 1, 2021. Mr. Vakili also obtained a USA Ticket Permit for the Subject Property. The USA Ticket Number was X108903305-01X. Please see Attachment 3 for the USA Ticket.

All Boring and sampling were conducted in general accordance with approved ASTM Methods. The borings were advanced using a direct push provided by GeoProbe 54LT through direct pushing the flights into the ground. At regular intervals, soil encountered at the boring areas resembled to each other within the former garage structure that included concrete foundation areas from 0-8 inches, followed by soft dirt area from 8 inches to 1 foot; followed by silty sand to 10 feet below ground surface.

ECA crew started drilling at the marked locations at 8:30 a.m. on February 26, 2021. ECA staff and Mr. Vakili initiated the soil sampling inside the Former Al Stack garage structure. ECA staff started the drilling at Boring 5 inside the former garage structure at the location where there was a laundry in Sanborn Maps of 1906 and 1910. ECA staff drilled at the Boring 5 inside the former garage structure to approximately 10 feet below ground surface. Mr. Vakili collected the soil sample at approximately 10 feet below ground surface from Boring 5 at 9:19 a.m. on April 5, 2021. ECA staff then moved to Boring 3 inside the former garage structure nearby the inground hoist. ECA staff drilled at Boring 3 to approximately 10 feet below ground surface. Mr. Vakili collected the soil sample at approximately 10 feet below ground surface from Boring 3 at 10:10 a.m. on April 5, 2021. ECA staff later moved to Boring 2 nearby the inground hoist and the former Hazardous Management Area (HWMA). ECA staff drilled at Boring 2 to approximately 10 feet below ground surface. Mr. Vakili collected the soil sample at approximately 10 feet below ground surface from Boring 2 at 10:40 a.m. on April 5, 2021. ECA staff then moved to Boring 1 inside the former garage structure nearby the other inground hoist. ECA staff drilled at Boring 1 to approximately 10 feet below ground surface. Mr. Vakili collected the soil sample at approximately 10 feet below ground surface from Boring 1 at 11:15 a.m. on April 5, 2021. ECA staff later moved to Boring 6 which was located the opposite side of Boring 1 nearby the inground hoist. ECA staff drilled at Boring 6 to approximately 10 feet below ground surface. Mr. Vakili collected soil sample at approximately 10 feet below ground surface from Boring 6 at 11:45 a.m. on April 5, 2021. ECA staff then moved to

Boring 4 which was located at the area nearby the replaced concrete area inside the former garage structure. ECA staff drilled at Boring 4 to approximately 10 feet below ground surface. Mr. Vakili collected soil sample at approximately 10 feet below ground surface from Boring 4 at 12:22 p.m. on April 5, 2021

Representative portions of the six soil samples collected (Borings 1-6) from inside of the former Al Stack garage structure were also sealed in the containers and maintained in cooled ice chest and transported to California Laboratory Services at 4:23 p.m. on April 5, 2021. California Laboratory Services is located at 3249 Fitzgerald Road in Rancho Cordova, and the staff received the samples at 4:23 p.m. on April 5, 2021. Please see Attachment 4 for the Sampling Report received dated April 14, 2021.

6. LABORATORY ANALYSIS

Soil samples collected from the Subject Property were also submitted to California Laboratory Services (CLS) located at 3249 Fitzgerald Road in Rancho Cordova, California. CLS is accredited by the State of California for all of the analysis performed at the laboratory. Soil samples were analyzed for volatile organic compounds in accordance with United States Environmental Protection Agency (EPA) Method 8260B, for total petroleum hydrocarbons (gasoline) in accordance with GC/MS, for Polychlorinated Biphenyls in accordance with EPA Method 8082A, and for Polynuclear Aromatic Compounds in accordance with EPA Method 8270C. Please see the CLS Sampling Report for soil in the Attachment 4.

Field and laboratory quality control (QC) procedures during sampling included the Following:

- a. Disposable gloves were worn during all soil sampling procedures, and changed after each soil sample collection to prevent potential cross contamination;
- b. CLS supplied containers for the soil samples, if needed;
- c. Soil samples holding times and analysis was pursuant to the EPA Method guidelines;
- d. Soil samples were labeled, logged on a Chain-of-Custody Form (CoC) and submitted to the CLS accompanied by the CoC documentation;
- e. Laboratories QC was performed pursuant to the procedures inherent with the specific methods used for analysis;
- f. Analysis was performed by laboratories certified by the State of California for each method of analysis used during the entire project's process.

7. ANALYTICAL RESULTS

Mr. Vakili received the Sampling Report from California Laboratory Services on April 14, 2021 for the six soil samples collected from the inside of Al Stack former garage structure on April 5, 2021. Soil samples were analyzed for volatile organic compounds in accordance with United States Environmental Protection Agency (EPA) Method 8260B, for total petroleum hydrocarbons (gasoline) in accordance with GC/MS, for Polychlorinated Biphenyls in accordance with EPA Method 8082A, and for Polynuclear Aromatic Compounds in accordance with EPA Method 8270C. Please see Table 1 for the sampling result for Volatile Organic Compounds, Table 2 for Polychlorinated Biphenyls, Table 3 for Polynuclear Aromatic Compounds, and Table 4 for Total Petroleum Hydrocarbon Gasoline.

Table 1 VOCs	B-1 ug/kg	B-2 ug/kg	B-3 ug/kg	B-4 ug/kg	B-5 ug/kg	B-6 Ug/kg	RSL mg/kg
Acetone	ND	ND	ND	ND	ND	ND	
Benzene	ND	ND	ND	ND	ND	ND	
Bromobenzene	ND	ND	ND	ND	ND	ND	
Bromochloromethane	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	ND	ND	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	ND	ND	
2-Butanone	ND	ND	ND	ND	ND	ND	
n-Butylbenzene	ND	ND	ND	ND	ND	ND	
Sec- Butylbenzene	ND	ND	ND	ND	ND	ND	
Tert-Butylbenzene	ND	ND	ND	ND	ND	ND	
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	
Chlorobenzene	ND	ND	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	ND	ND	
Chloromethane	ND	ND	ND	ND	ND	ND	
O-Chlorotoluene	ND	ND	ND	ND	ND	ND	
P-Chlorotoluene	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	
1,2-Dibromomethane	ND	ND	ND	ND	ND	ND	
Dibromomethane	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
Freon-12	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	
Cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	
Trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	
1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	

Table 1 Continued VOCs	B-1 ug/kg	B-2 ug/kg	B-3 ug/kg	B-4 ug/kg	B-5 ug/kg	B-6 ug/kg	RSL mg/kg
Ethylbenzene	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	
2-Hexanone	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	ND	ND	ND	ND	ND	ND	
P-Isopropyltoluene	ND	ND	ND	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	ND	ND	
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	
Methyl tert –butyl ether	ND	ND	ND	ND	ND	ND	
Napthalene	ND	ND	ND	ND	ND	ND	
N-Propylbenzene	ND	ND	ND	ND	ND	ND	
Styrene	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	
Toluene	ND	ND	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	ND	ND	
Xylene	ND	ND	ND	ND	ND	ND	

TABLE 2: POLYCHLORINATED BIPHENYLS

Table 2	Boring 1 ug/kg	Boring 2 ug/kg	Boring 3 ug/kg	Boring 6 ug/kg	RSL mg/kg
Aroclor 1016	ND	ND	ND	ND	
Aroclor 1221	ND	ND	ND	ND	
Aroclor 1232	ND	ND	ND	ND	
Aroclor 1242	ND	ND	ND	ND	
Aroclor 1248	ND	ND	ND	ND	
Aroclor 1254	ND	ND	ND	ND	
Aroclor 1260	ND	ND	ND	ND	
Aroclor 1268	ND	ND	ND	ND	

TABLE 3: POLYNUCLEAR AROMATIC COMPOUNDS

Table 3	Boring 1 ug/kg	Boring 2 ug/kg	Boring 3 ug/kg	Boring 6 ug/kg	RSL mg/kg
2-Methylnaphthalene	ND	ND	ND	ND	
Acenaphthene	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	
Benzo (a) anthracene	ND	ND	ND	ND	
Benzo (a) pyrene	ND	ND	ND	ND	
Benzo (b) fluoranthene	ND	ND	ND	ND	
Chrysene	ND	ND	ND	ND	
Dibenz(a,h) anthracene	ND	ND	ND	ND	
Dibenzofuran	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	
Fluorene	ND	ND	ND	ND	
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	
Naphthalene	ND	ND	ND	ND	
Phenanthrene	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	

TABLE 4: TOTAL PETROLEUM HYDROCARBON GASOLINE

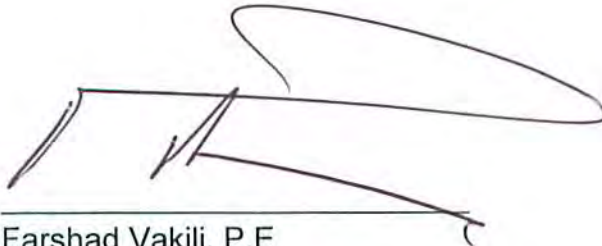
Table 7	B-1 mg/kg	B-2 mg/kg	B-3 mg/kg	B-4 mg/kg	B-5 mg/kg	B-6 mg/kg	RSL mg/kg
TPH Gasoline (mg/kg)	ND	ND	ND	ND	ND	ND	

8. CONCLUSION/RECOMMENDATION

At the request of Ms. Cara Recine; Mr. Vakili performed this Report at the Subject Property which included six soil samples collected from Al Stack former garage structure. Representative portions of the soil samples (Borings 1-6) collected from inside of the Al Stack former garage structure were sealed and maintained in cooled ice chest, and transported to California Laboratory Services at 4:23 p.m. on April 5, 2021. California Laboratory Services is located at 3249 Fitzgerald Road in Rancho Cordova, and the staff received the soil samples at 4:23 on April 5, 2021. Sampling Report was submitted to Mr. Vakili on April 14, 2021. Please see Attachment 4 and/or Tables 1, 2,3, and 4 for all the Sampling Report's results regarding soil samples at Al Stack former garage structure.

Based on the Sampling Report of April 14, 2021, it was concluded that no elevated levels of constituents found inside the Subject Property. All analysis showed non-detect values. Mr. Vakili reviewed the Sampling Reports for soil samples, and determined that the Subject Property was not impacted at this time at the areas nearby the former laundry area from the Sanborn Maps of 1906 and 1910; the areas nearby the existing two inground hoists; the area nearby the existing floor drains; the area nearby the replaced concrete; and the area nearby the Former Hazardous Waste Management Area inside the former garage structure. Please see Statement of Qualification and Insurance Liability in Attachment 5.

Pease let me know if you have any questions.



Farshad Vakili, P.E
Environmental Engineer
273 Canyon Falls Drive
Folsom, California 95630

4-16-2021

Date:



Phase II Environmental Site Assessment Report
Former Al Stack's Radiator Shop and Vacant Parcels of Land
301, 323, and 329 Petaluma Boulevard North, Petaluma, Sonoma County, California
April 16, 2021

ATTACHMENT 1 LOCATION OF SOIL BORINGS



BORING LOCATIONS AT 301 PETALUMA BOULEVARD NORTH, PETALUMA, CALIFORNIA

PREPARED BY FARSHAD VAKILI, P.E.

MARCH 29, 2021

Phase II Environmental Site Assessment Report
Former Al Stack's Radiator Shop and Vacant Parcels of Land
301, 323, and 329 Petaluma Boulevard North, Petaluma, Sonoma County, California
April 16, 2021

ATTACHMENT 2 PHOTOGRAPHS



Photo 1: ECA truck and equipment at the Subject Property



Photo 2: Looking south at the outside wall to the former garage structure



Photo 3: ECA staff drilling at Boring 5 where the potential laundry store existed



Photo 4: Soil sample at Boring 5 inside the former garage structure



Photo 5: ECA staff drilling at Boring 3 nearby the inground hoist



Photo 6: ECA staff drilling at Boring 3 inside the former garage structure



Photo 7: Soil sample at Boring 3 near inground hoist inside garage structure



Photo 8: Boring 3 location prior to drilling inside the former garage structure



Photo 9: Location of Boring 2 near the inground hoist and former HWMA



Photo 10: ECA staff drilling at Boring 2 inside the former garage structure



Photo 11: Soil sample at Boring 2 inside the former garage structure



Photo 12: Locations of Boring 1 and Boring 6 nearby the inground hoist

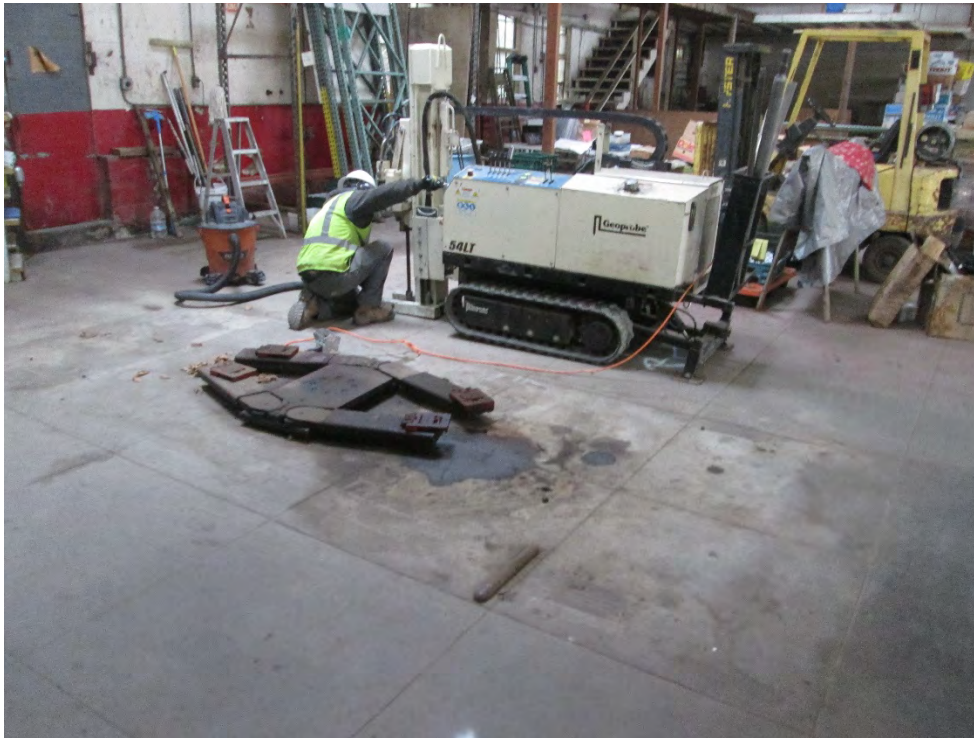


Photo 13: ECA drilling at Boring 1 nearby the inground hoist



Photo 14: ECA staff drilling at Boring 1 inside the former garage structure



Photo 15: Soil sample at Boring 1 inside the former garage structure



Photo 16: ECA staff drilling at Boring 6 neaby the inground hoist



Photo 17: Soil sample at Boring 6 nearby the inground hoist



Photo 18: Location of Boring 4 nearby the replaced concrete area



Photo 19: ECA staff drilling at Boring 4 inside the former garage structure



Photo 20: Soil sample at Boring 4 nearby the replaced concrete area

Phase II Environmental Site Assessment Report
Former Al Stack's Radiator Shop and Vacant Parcels of Land
301, 323, and 329 Petaluma Boulevard North, Petaluma, Sonoma County, California
April 16, 2021

ATTACHMENT 3 USA TICKET

FW: USA North 811 Confirmation for Ticket X108903305-01X

From: Bryan Cook (bryancook101562@gmail.com)

To: fvakili@phase1assessments.com

Date: Thursday, April 1, 2021, 02:56 PM PDT

Bryan Cook

ECA – Environmental Control Associates

General Manager

C.530-441-8393

Bryancook101562@gmail.com

Environmentalcontrolassociates.com

From: notification@usan.org <notification@usan.org>

Date: Thursday, April 1, 2021 at 9:52 AM

To: bryancook101562@gmail.com <bryancook101562@gmail.com>

Subject: USA North 811 Confirmation for Ticket X108903305-01X

EMLCFM 06890X USAN 04/01/21 09:52:42 X108903305-01X AMND NORM POLY LREQ

Ticket: X108903305 Rev: 01X Created: 04/01/21 09:52 User: KENNETHCOOK1 Chan: WEB

Work Start: 04/02/21 17:01 Legal Start: 04/02/21 17:01 Expires: 04/27/21 23:59
Response required: Y Priority: 2

Excavator Information

Company: ECA

Co Addr: 3011 TWIN PALMS DRIVE

City : APTOS

State: CA Zip: 95003

Created By: KENNETH COOK

Language: ENGLISH

Office Phone: 530-441-8393

SMS/Cell: 530-441-8393

Office Email: bryancook101562@gmail.com

Site Contact: KENNETH BRYAN COOK

Site Phone: 530-441-8393

Site SMS/Cell:

Site Email: bryancook101562@gmail.com

Excavation Area

State: CA County: SONOMA Place: PETALUMA

Zip: 94952

Location: Address/Street: 301 PETALUMA BLVD N

: X/ST1: PROSPECT ST

:

: ENTIRE PROPERTY INSIDE BUILDING -

Delineated Method: WHITE PAINT

Work Type: VERTICAL BORING SOIL SAMPLES

Work For : PHASE 1

Permit:

Job/Work order:

1 Year: N Boring: Y Street/Sidewalk: N Vacuum: N Explosives: N

Lat/Long

Center Generated (NAD83): 38.237577/-122.642908 38.237714/-122.642521
: 38.237244/-122.642790 38.237381/-122.642403

Excavator Provided:

Map link:

https://newtin.usan.org/newtinweb/map_tkt.nap?TRG=EDWPcSYMWLaHc7B-c

Comments:

****AMENDMENT**** AREA NOW MARKED IN WHITE, PLEASE RESPOND PER KENNETH BRYAN
COOK--04/01/2021 09:50:42 AM

Members:

CTYPET CITY PETALUMA	MARKING CONTACT	707-778-4491
	For emergencies	707-778-4436
PACBEL PACIFIC BELL	Damage Prevention	510-645-2929
	Damage Prevention	510-645-2929
PGESRO PGE DISTR SANTA ROSA	SURREAH HALEY	707-483-3455
	EMERGENCY	800-743-5000
SOCOWA SONOMA COUNTY WATER AGENCY	SCOT CARPENTER	707-547-1079
	SCOT CARPENTER	707-547-1079

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****Covid-19 Coronavirus Utility Response Information****

Please be aware that due to emergency safety precautions around the covid-19 coronavirus some utility owners may experience interruptions in resource availability and therefore may provide a delayed response to tickets at this time. If a utility member intends to not respond to your request they will advise you of this information directly. Please make sure you make every effort to communicate with the utility owners and ensure you receive a positive response to your request before proceeding with your work. Utility members may respond to you by marking the site, sending an email, or contacting you by phone. You should also check the electronic positive response system for information from the utility member for your request. You can check the responses to your ticket using your ticket number here:
https://usanorth811.herokuapp.com/positive_responses/new . Any further questions about utility member response need to be directed to the utility member(s) themselves at this time.

Legal Start Information:

You cannot begin digging until each facility owner has responded to your request and it has passed the legal start date and time on your request. If you wish to begin sooner than the legal date and time indicated on your ticket, you must contact each facility operator individually to request that they respond sooner. You must begin digging no later than 14 calendar days after your ticket was created. Phone numbers for the relevant facility operators are listed at the bottom of your ticket.

Missing a Response from a Utility Member?:

If the legal start date and time has passed and a facility operator has not marked an underground facility at the dig site, state law requires that you process a No Response notice to your ticket. This can be done online through the E-Ticket program at www.usanorth811.org or by calling 811.

Your Ticket Is Only Valid for 28 Calendar Days:

Your ticket will automatically expire 28 calendar days after the date of creation. If you need to continue digging beyond that date, state law requires that you renew your ticket before the expiration date. If the utility markings at your site are no longer clearly visible, you must request a re-mark. Re-mark requests must be submitted at least two working days, not counting the day of submission, before the expiration date of your ticket. You can renew or re-mark your ticket online through the E-Ticket program at usanorth811.org or by calling 811.

Maintaining Utility Markings and Requesting Re-Marks at your Worksite:

It is your responsibility to respect and protect the utility markings. If the markings become disturbed and are no longer clearly visible, state law requires that you stop excavation and have the area in which the markings have been disturbed re-marked by the appropriate facility operators. Re-mark requests must be submitted at least two working days, not counting the day of submission, before the expiration date of your ticket. You can submit a re-mark request on your ticket online through the E-Ticket program at usanorth811.org or by calling 811.

What Are Private Lines and How Do I Request Locates for Them?:

Utility members are only responsible to locate facilities that they own and maintain. Any other facilities, commonly called private lines, that were installed by a home builder, contractor, or the homeowner themselves, can be located by a private locator. Common private lines are water lines from the water meter to a home, irrigation or sprinkler lines, gas line feeding a back yard barbeque or fire pit, or an electrical line that powers a detached shed. You can find more information about private locators by visiting usanorth811.org or by searching online for "private utility locators."

Non-member Facility Owners:

The vast majority, but not all, owners of underground facilities are members of the USA North 811 nonprofit association of utility owners. Non-member entities include California and Nevada departments of transportation, railroads, military, tribal, and a few other entities. Non-pressurized sewer and drain line owners are also exempt from participating in California. Please review the list of utility owners on your ticket and contact any other affected entities directly.

Tolerance Zone and Hand Digging Requirements:

When digging near underground facilities, state law requires that you use only hand tools to expose lines in conflict with your excavation. Hand tools must be used within 24 inches of the outside edge of all utility markings. You may use vacuum equipment only if indicated on your ticket and with the approval of the facility operator whose line will be exposed.

Damaged, Nicked, Scraped, or Dented an Underground Facility?:

If you discover or cause damage, nicks, scrapes, dents, or any other disturbance to a marked or unmarked underground facility, state law requires that you immediately report the damage to the facility owner. You can contact the facility operator directly using the phone number listed at the bottom of your ticket, or you may contact USA North 811 to process a Damage/Exposed ticket. This can be done online through the E-Ticket program at usanorth811.org or by calling 811. You must also contact 911 if you discover or cause damage to a natural gas line, high-voltage power cable, high-pressure or hazardous materials pipeline, or any other high-priority facility. Make sure to evacuate the area before calling 911.

Delineating or Pre-marking Your Work Site:

State law requires that you mark out the dimensions of your project by delineating or pre-marking with something white, such as spray paint, chalk, flags, or stakes to show the utility companies where you plan to dig before you submit your locate ticket. If you have yet to pre-mark your dig site, please do so as soon as possible. You may start digging after the two working day minimum notice or the starting date and time you provided, whichever is later, has passed and every utility operator that was notified on your ticket has responded by either marking their underground facilities at the dig site, letting you know their facilities are not in conflict with your project, or making other arrangements with you.

Additional Site Information:

When submitting your locate ticket, you should have provided all necessary information about the site including special circumstances such as site access instructions, locked gate information, dogs in the yard or on the property, or any other information that would help assist the locators before arriving to your site. If you forgot to add information like this, you can submit a ticket amendment and add this necessary information to your existing locate ticket. You can submit an amendment online through the E-Ticket program at usanorth811.org or by calling 811.

E-Tickets:

80% of the contractors and excavators submitting tickets today are doing so online through our E-Tickets platform. It not only is saving them time and money, but allows us to keep our 811 phone lines open for damages, emergencies, curious homeowners, and new contractors who need help with the system. With your E-Ticket account you can submit any ticket you have, submit Renew or Re-mark requests, and have access to a stellar team of Web Operations Specialists who are available to help walk you through any questions or issues you might have. For more information on E-Tickets visit usanorth811.org and click the orange "Get Started" button on the top right corner of the page.

For More Information:

For more information and safe digging tips please visit usanorth811.org/safety

Phase II Environmental Site Assessment Report
Former Al Stack's Radiator Shop and Vacant Parcels of Land
301, 323, and 329 Petaluma Boulevard North, Petaluma, Sonoma County, California
April 16, 2021

ATTACHMENT 4
CALIFORNIA LABORATORY SERVICES
SAMPLING RESULTS (SOIL)
APRIL 14, 2021



CALIFORNIA LABORATORY SERVICES

Committed. Responsive. Flexible.

April 14, 2021

CLS Work Order #: 21D0184

COC #: 213078

Farshad Vakili
Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project Name: FORMER AL STACK, RADIATOR

Enclosed are the results of analyses for samples received by the laboratory on 04/05/21 16:23. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA SWRCB ELAP Accreditation/Registration number 1233



CALIFORNIA
LABORATORY
SERVICES
Committed Response. Provable.

CHAIN OF CUSTODY

CLS ID No.: 21D0184

LOG No 213078

HIGHLIGHTED AREAS MUST BE FILLED OUT PRIOR TO ACCEPTANCE

REPORT TO:				CLIENT JOB NUMBER		ANALYSIS REQUESTED				GEOTRACKER: EDF REPORT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO GLOBAL ID:			
NAME AND ADDRESS				DESTINATION LABORATORY		PRESERVATIVES				CDPH WRITE ON EDT TRANSMISSION? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO STATE SYSTEM NUMBER			
PROJECT MANAGER				CLP (916) 638-7301 3249 FITZGERALD RD. RANCHO CORDOVA, CA 95742						IF "YES" PLEASE ENTER THE SOURCE NUMBER(S).			
PROJECT NAME				OTHER		COMPOSITE: <u>CLOUDY 53°F</u> <u>AT 8:00 am</u>				TURN AROUND TIME		SPECIAL INSTRUCTIONS	
SAMPLED BY										1 DAY		2 DAY	
JOB DESCRIPTION													
SITE LOCATION													
DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	TYPE								
4/5/21	9:19	BORING 5				✓	✓	✓	✓	✓	✓	✓	✓
4/5/21	10:10	BORING 3				✓	✓	✓	✓	✓	✓	✓	✓
4/5/21	10:40	BORING 2				✓	✓	✓	✓	✓	✓	✓	✓
4/5/21	11:15	BORING 1				✓	✓	✓	✓	✓	✓	✓	✓
4/5/21	11:45	BORING 6				✓	✓	✓	✓	✓	✓	✓	✓
4/5/21	12:22	BORING 4				✓	✓	✓	✓	✓	✓	✓	✓
INVOICE TO:													
P.O. #													
QUOTE #													
Email/Address:						PRESERVATIVES:		(1) HCL (2) HNO ₃		(3) = COLD (4) = NaOH		(5) = H ₂ SO ₄ (6) = Na ₂ S ₂ O ₈	
RELINQUISHED BY (SIGN)		PRINT NAME / COMPANY		DATE / TIME		RECEIVED BY (SIGN)		PRINT NAME / COMPANY					
<u>[Signature]</u>		FARSHAD VAKILI PHASE 1		4/5/21 4:23									
REC'D AT LAB BY: <u>[Signature]</u>						DATE / TIME: <u>4/5/21 1623</u>		CONDITIONS / COMMENTS: <u>19</u>					
SHIPPED BY:		<input type="checkbox"/> FED X		<input type="checkbox"/> UPS		<input type="checkbox"/> OTHER		AIR BILL #					



CALIFORNIA LABORATORY SERVICES

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04/14/21 15:29

Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

BORING 3 (21D0184-02) Soil Sampled: 04/05/21 10:10 Received: 04/05/21 16:23

Aroclor 1016	ND	20	µg/kg	1	2102737	04/06/21	04/06/21	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl 83 % 50-150 " " " "

BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23

Aroclor 1016	ND	20	µg/kg	1	2102737	04/06/21	04/06/21	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl 85 % 50-150 " " " "

BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23

Aroclor 1016	ND	20	µg/kg	1	2102737	04/06/21	04/06/21	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23									
Aroclor 1268	ND	20	µg/kg	1	2102737	"	04/06/21	EPA 8082	
Surrogate: Decachlorobiphenyl		82 %	50-150		"	"	"	"	
BORING 6 (21D0184-05) Soil Sampled: 04/05/21 11:45 Received: 04/05/21 16:23									
Aroclor 1016	ND	20	µg/kg	1	2102737	04/06/21	04/06/21	EPA 8082	
Aroclor 1221	ND	20	"	"	"	"	"	"	
Aroclor 1232	ND	20	"	"	"	"	"	"	
Aroclor 1242	ND	20	"	"	"	"	"	"	
Aroclor 1248	ND	20	"	"	"	"	"	"	
Aroclor 1254	ND	20	"	"	"	"	"	"	
Aroclor 1260	ND	20	"	"	"	"	"	"	
Aroclor 1268	ND	20	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		77 %	50-150		"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polynuclear Aromatic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 3 (21D0184-02) Soil Sampled: 04/05/21 10:10 Received: 04/05/21 16:23									
Acenaphthene	ND	330	µg/kg	1	2102768	04/06/21	04/06/21	EPA 8270C	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	80 %	30-115	"	"	"	"
Surrogate: Nitrobenzene-d5	84 %	23-120	"	"	"	"
Surrogate: Terphenyl-d14	66 %	18-137	"	"	"	"

BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23

Acenaphthene	ND	330	µg/kg	1	2102768	04/06/21	04/06/21	EPA 8270C
Acenaphthylene	ND	330	"	"	"	"	"	"
Anthracene	ND	330	"	"	"	"	"	"
Benzo (a) anthracene	ND	330	"	"	"	"	"	"
Benzo (a) pyrene	ND	330	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"
Chrysene	ND	330	"	"	"	"	"	"



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polynuclear Aromatic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23									
Dibenz (a,h) anthracene	ND	330	µg/kg	1	2102768	"	04/06/21	EPA 8270C	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	77 %	30-115	"	"	"	"
Surrogate: Nitrobenzene-d5	76 %	23-120	"	"	"	"
Surrogate: Terphenyl-d14	63 %	18-137	"	"	"	"

BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23

Acenaphthene	ND	330	µg/kg	1	2102768	04/06/21	04/06/21	EPA 8270C	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	79 %	30-115	"	"	"	"
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CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polynuclear Aromatic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23									
Surrogate: Nitrobenzene-d5		81 %		23-120	2102768	"	04/06/21	EPA 8270C	
Surrogate: Terphenyl-d14		63 %		18-137	"	"	"	"	
BORING 6 (21D0184-05) Soil Sampled: 04/05/21 11:45 Received: 04/05/21 16:23									
Acenaphthene	ND	330	µg/kg	1	2102768	04/06/21	04/06/21	EPA 8270C	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) anthracene	ND	330	"	"	"	"	"	"	
Benzo (a) pyrene	ND	330	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	330	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	330	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	330	"	"	"	"	"	"	
Chrysene	ND	330	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	"	"	"	"	"	
Fluoranthene	ND	330	"	"	"	"	"	"	
Fluorene	ND	330	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	330	"	"	"	"	"	"	
Naphthalene	ND	330	"	"	"	"	"	"	
Phenanthrene	ND	330	"	"	"	"	"	"	
Pyrene	ND	330	"	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		81 %		30-115	"	"	"	"	
Surrogate: Nitrobenzene-d5		86 %		23-120	"	"	"	"	
Surrogate: Terphenyl-d14		58 %		18-137	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

TPH-Gasoline by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 5 (21D0184-01) Soil Sampled: 04/05/21 09:19 Received: 04/05/21 16:23									
Gasoline	ND	0.20	mg/kg	1	2102772	04/06/21	04/06/21	EPA 8260M	
Surrogate: Toluene-d8		70 %	65-135		"	"	"	"	
BORING 3 (21D0184-02) Soil Sampled: 04/05/21 10:10 Received: 04/05/21 16:23									
Gasoline	ND	0.20	mg/kg	1	2102772	04/06/21	04/06/21	EPA 8260M	
Surrogate: Toluene-d8		68 %	65-135		"	"	"	"	
BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23									
Gasoline	ND	0.20	mg/kg	1	2102772	04/06/21	04/06/21	EPA 8260M	
Surrogate: Toluene-d8		70 %	65-135		"	"	"	"	
BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23									
Gasoline	ND	0.20	mg/kg	1	2102772	04/06/21	04/06/21	EPA 8260M	
Surrogate: Toluene-d8		67 %	65-135		"	"	"	"	
BORING 6 (21D0184-05) Soil Sampled: 04/05/21 11:45 Received: 04/05/21 16:23									
Gasoline	ND	0.20	mg/kg	1	2102772	04/06/21	04/06/21	EPA 8260M	
Surrogate: Toluene-d8		74 %	65-135		"	"	"	"	
BORING 4 (21D0184-06) Soil Sampled: 04/05/21 12:22 Received: 04/05/21 16:23									
Gasoline	ND	0.20	mg/kg	1	2102772	04/06/21	04/06/21	EPA 8260M	
Surrogate: Toluene-d8		67 %	65-135		"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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04/14/21 15:29

Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 5 (21D0184-01) Soil Sampled: 04/05/21 09:19 Received: 04/05/21 16:23									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2102772	04/06/21	04/06/21	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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 (EDB)	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	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 5 (21D0184-01) Soil Sampled: 04/05/21 09:19 Received: 04/05/21 16:23									
Bromoform	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 5 (21D0184-01) Soil Sampled: 04/05/21 09:19 Received: 04/05/21 16:23									
Toluene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	50-125	"	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	50-128	"	"	"	"
Surrogate: Toluene-d8	70 %	62-125	"	"	"	"

BORING 3 (21D0184-02) Soil

 Sampled: 04/05/21 10:10 Received: 04/05/21 16:23

1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2102772	04/06/21	04/06/21	EPA 8260B
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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 (EDB)	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	"	"	"	"	"	"



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 3 (21D0184-02) Soil Sampled: 04/05/21 10:10 Received: 04/05/21 16:23									
1,3-Dichlorobenzene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2-Butanone	ND	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 3 (21D0184-02) Soil Sampled: 04/05/21 10:10 Received: 04/05/21 16:23									
Naphthalene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	111 %	50-125	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	50-128	"	"	"	"	"	"	
Surrogate: Toluene-d8	68 %	62-125	"	"	"	"	"	"	

BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23

1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2102772	04/06/21	04/06/21	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23									
1,1-Dichloroethene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
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 (EDB)	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	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23									
cis-1,2-Dichloroethene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 2 (21D0184-03) Soil Sampled: 04/05/21 10:40 Received: 04/05/21 16:23									
Surrogate: 1,2-Dichloroethane-d4		109 %	50-125		2102772	"	04/06/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		99 %	50-128		"	"	"	"	
Surrogate: Toluene-d8		70 %	62-125		"	"	"	"	
BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2102772	04/06/21	04/06/21	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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 (EDB)	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	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	



CALIFORNIA LABORATORY SERVICES

Committed. Responsive. Flexible.

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23									
Benzene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 1 (21D0184-04) Soil Sampled: 04/05/21 11:15 Received: 04/05/21 16:23									
tert-Amyl methyl ether	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	113 %	50-125	"	"	"	"
Surrogate: 4-Bromofluorobenzene	99 %	50-128	"	"	"	"
Surrogate: Toluene-d8	67 %	62-125	"	"	"	"

BORING 6 (21D0184-05) Soil Sampled: 04/05/21 11:45 Received: 04/05/21 16:23

1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2102772	04/06/21	04/06/21	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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 (EDB)	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 6 (21D0184-05) Soil Sampled: 04/05/21 11:45 Received: 04/05/21 16:23									
1,2-Dichlorobenzene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
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	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 6 (21D0184-05) Soil Sampled: 04/05/21 11:45 Received: 04/05/21 16:23									
Hexachlorobutadiene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	116 %	50-125	"	"	"	"
Surrogate: 4-Bromofluorobenzene	111 %	50-128	"	"	"	"
Surrogate: Toluene-d8	74 %	62-125	"	"	"	"



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 4 (21D0184-06) Soil Sampled: 04/05/21 12:22 Received: 04/05/21 16:23									
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg	1	2102772	04/06/21	04/06/21	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	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 (EDB)	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	100	"	"	"	"	"	"	
2-Hexanone	ND	50	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	50	"	"	"	"	"	"	
Acetone	ND	100	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 4 (21D0184-06) Soil Sampled: 04/05/21 12:22 Received: 04/05/21 16:23									
Bromoform	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
Bromomethane	ND	10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
o-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BORING 4 (21D0184-06) Soil Sampled: 04/05/21 12:22 Received: 04/05/21 16:23									
Toluene	ND	5.0	µg/kg	1	2102772	"	04/06/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		90 %	50-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	50-128		"	"	"	"	
Surrogate: Toluene-d8		67 %	62-125		"	"	"	"	



CALIFORNIA LABORATORY SERVICES

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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102737 - LUFT-DHS GCNV

Blank (2102737-BLK1)

Prepared: 04/05/21 Analyzed: 04/06/21

Aroclor 1016	ND	20	µg/kg							
Aroclor 1221	ND	20	"							
Aroclor 1232	ND	20	"							
Aroclor 1242	ND	20	"							
Aroclor 1248	ND	20	"							
Aroclor 1254	ND	20	"							
Aroclor 1260	ND	20	"							
Aroclor 1268	ND	20	"							
Surrogate: Decachlorobiphenyl	8.72		"	8.33		105	50-150			

LCS (2102737-BS1)

Prepared: 04/05/21 Analyzed: 04/06/21

Aroclor 1260	101	20	µg/kg	83.3		121	29-131			
Surrogate: Decachlorobiphenyl	8.48		"	8.33		102	50-150			

LCS Dup (2102737-BSD1)

Prepared: 04/05/21 Analyzed: 04/06/21

Aroclor 1260	102	20	µg/kg	83.3		122	29-131	1	30	
Surrogate: Decachlorobiphenyl	7.51		"	8.33		90	50-150			

Matrix Spike (2102737-MS1)

Source: 21D0066-01

Prepared: 04/05/21 Analyzed: 04/06/21

QRL-7

Aroclor 1260	131	40	µg/kg	167	ND	79	29-131			
Surrogate: Decachlorobiphenyl	10.5		"	16.7		63	50-150			

Matrix Spike Dup (2102737-MSD1)

Source: 21D0066-01

Prepared: 04/05/21 Analyzed: 04/06/21

QRL-7

Aroclor 1260	126	40	µg/kg	167	ND	76	29-131	3	30	
Surrogate: Decachlorobiphenyl	10.4		"	16.7		63	50-150			



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polynuclear Aromatic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102768 - LUFT-DHS GCMS

Blank (2102768-BLK1)

Prepared & Analyzed: 04/06/21

Acenaphthene	ND	330	µg/kg							
Acenaphthylene	ND	330	"							
Anthracene	ND	330	"							
Benzo (a) anthracene	ND	330	"							
Benzo (b) fluoranthene	ND	330	"							
Benzo (k) fluoranthene	ND	330	"							
Benzo (g,h,i) perylene	ND	330	"							
Benzo (a) pyrene	ND	330	"							
Chrysene	ND	330	"							
Dibenz (a,h) anthracene	ND	330	"							
Fluoranthene	ND	330	"							
Fluorene	ND	330	"							
Indeno (1,2,3-cd) pyrene	ND	330	"							
Naphthalene	ND	330	"							
Phenanthrene	ND	330	"							
Pyrene	ND	330	"							
Surrogate: Nitrobenzene-d5	1180		"	1330		89	23-120			
Surrogate: 2-Fluorobiphenyl	1150		"	1330		86	30-115			
Surrogate: Terphenyl-d14	1340		"	1330		100	18-137			

LCS (2102768-BS1)

Prepared & Analyzed: 04/06/21

Acenaphthene	1040	330	µg/kg	1330		78	31-137			
Pyrene	836	330	"	1330		63	35-142			
Surrogate: Nitrobenzene-d5	1130		"	1330		85	23-120			
Surrogate: 2-Fluorobiphenyl	1130		"	1330		85	30-115			
Surrogate: Terphenyl-d14	1240		"	1330		93	18-137			

LCS Dup (2102768-BSD1)

Prepared & Analyzed: 04/06/21

Acenaphthene	1150	330	µg/kg	1330		86	31-137	10	30	
Pyrene	931	330	"	1330		70	35-142	11	36	
Surrogate: Nitrobenzene-d5	1230		"	1330		92	23-120			
Surrogate: 2-Fluorobiphenyl	1190		"	1330		90	30-115			



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Polynuclear Aromatic Compounds by EPA Method 8270C - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102768 - LUFT-DHS GCMS

LCS Dup (2102768-BSD1)

Prepared & Analyzed: 04/06/21

Surrogate: Terphenyl-d14	1310		"	1330		98	18-137
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Matrix Spike (2102768-MS1)

Source: 21D0184-02

Prepared: 04/06/21 Analyzed: 04/07/21

Acenaphthene	1120	330	µg/kg	1330	ND	84	31-137
Pyrene	579	330	"	1330	ND	43	35-142
Surrogate: Nitrobenzene-d5	1230		"	1330		92	23-120
Surrogate: 2-Fluorobiphenyl	1140		"	1330		85	30-115
Surrogate: Terphenyl-d14	837		"	1330		63	18-137

Matrix Spike Dup (2102768-MSD1)

Source: 21D0184-02

Prepared: 04/06/21 Analyzed: 04/07/21

Acenaphthene	1170	330	µg/kg	1330	ND	88	31-137	5	30
Pyrene	623	330	"	1330	ND	47	35-142	7	36
Surrogate: Nitrobenzene-d5	1200		"	1330		90	23-120		
Surrogate: 2-Fluorobiphenyl	1110		"	1330		83	30-115		
Surrogate: Terphenyl-d14	838		"	1330		63	18-137		



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

TPH-Gasoline by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102772 - EPA 5030 Soil MS

Blank (2102772-BLK1)

Prepared & Analyzed: 04/06/21

Gasoline	ND	0.20	mg/kg						
Surrogate: Toluene-d8	0.0197		"	0.0300		66	65-135		

LCS (2102772-BS1)

Prepared & Analyzed: 04/06/21

Gasoline	1.84	0.20	mg/kg	2.00		92	65-135		
Surrogate: Toluene-d8	0.0241		"	0.0300		80	65-135		

LCS Dup (2102772-BSD1)

Prepared & Analyzed: 04/06/21

Gasoline	2.05	0.20	mg/kg	2.00		102	65-135	11	30
Surrogate: Toluene-d8	0.0212		"	0.0300		71	65-135		

Matrix Spike (2102772-MS1)

Source: 21D0074-01

Prepared & Analyzed: 04/06/21

Gasoline	2.05	0.20	mg/kg	2.00	ND	102	63-124		
Surrogate: Toluene-d8	0.0216		"	0.0300		72	65-135		

Matrix Spike Dup (2102772-MSD1)

Source: 21D0074-01

Prepared & Analyzed: 04/06/21

Gasoline	2.14	0.20	mg/kg	2.00	ND	107	63-124	4	35
Surrogate: Toluene-d8	0.0199		"	0.0300		66	65-135		



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102772 - EPA 5030 Soil MS

Blank (2102772-BLK1)

Prepared & Analyzed: 04/06/21

Acetone	ND	100	µg/kg
Benzene	ND	5.0	"
Bromobenzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	10	"
2-Butanone	ND	100	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	10	"
o-Chlorotoluene	ND	5.0	"
p-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	10	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane (Freon 12)	ND	10	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102772 - EPA 5030 Soil MS

Blank (2102772-BLK1)

Prepared & Analyzed: 04/06/21

1,2-Dichloropropane	ND	5.0	µg/kg
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Ethylbenzene	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
2-Hexanone	ND	50	"
Isopropylbenzene	ND	5.0	"
p-Isopropyltoluene	ND	5.0	"
Methylene chloride	ND	20	"
4-Methyl-2-pentanone	ND	50	"
Methyl tert-butyl ether	ND	5.0	"
Naphthalene	ND	5.0	"
n-Propylbenzene	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,1,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethene	ND	5.0	"
Toluene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
Trichloroethene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
1,2,3-Trichloropropane	ND	5.0	"
1,3,5-Trimethylbenzene	ND	5.0	"
1,2,4-Trimethylbenzene	ND	5.0	"



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2102772 - EPA 5030 Soil MS

Blank (2102772-BLK1)

Prepared & Analyzed: 04/06/21

Vinyl chloride	ND	10	µg/kg							
Xylenes (total)	ND	10	"							
Di-isopropyl ether	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
tert-Amyl methyl ether	ND	5.0	"							
tert-Butyl alcohol	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	29.0		"	30.0		97	50-125			
Surrogate: Toluene-d8	19.7		"	30.0		66	62-125			
Surrogate: 4-Bromofluorobenzene	31.3		"	30.0		104	50-128			

LCS (2102772-BS1)

Prepared & Analyzed: 04/06/21

Benzene	23.9	5.0	µg/kg	20.0		119	64-135			
Chlorobenzene	21.4	5.0	"	20.0		107	67-133			
1,1-Dichloroethene	16.0	5.0	"	20.0		80	53-137			
Toluene	17.6	5.0	"	20.0		88	61-138			
Trichloroethene	21.2	5.0	"	20.0		106	64-130			
Surrogate: 1,2-Dichloroethane-d4	25.9		"	30.0		86	50-125			
Surrogate: Toluene-d8	24.1		"	30.0		80	62-125			
Surrogate: 4-Bromofluorobenzene	31.8		"	30.0		106	50-128			

LCS Dup (2102772-BSD1)

Prepared & Analyzed: 04/06/21

Benzene	22.2	5.0	µg/kg	20.0		111	64-135	7	30	
Chlorobenzene	21.3	5.0	"	20.0		106	67-133	0.6	30	
1,1-Dichloroethene	17.8	5.0	"	20.0		89	53-137	10	30	
Toluene	17.1	5.0	"	20.0		86	61-138	3	30	
Trichloroethene	20.1	5.0	"	20.0		101	64-130	5	30	
Surrogate: 1,2-Dichloroethane-d4	25.9		"	30.0		86	50-125			
Surrogate: Toluene-d8	21.2		"	30.0		71	62-125			
Surrogate: 4-Bromofluorobenzene	31.0		"	30.0		103	50-128			



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Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 2102772 - EPA 5030 Soil MS

Matrix Spike (2102772-MS1)		Source: 21D0074-01		Prepared & Analyzed: 04/06/21						
Benzene	22.8	5.0	µg/kg	20.0	ND	114	58-139			
Chlorobenzene	22.4	5.0	"	20.0	ND	112	62-134			
1,1-Dichloroethene	20.5	5.0	"	20.0	ND	102	53-152			
Toluene	17.6	5.0	"	20.0	ND	88	58-139			
Trichloroethene	22.8	5.0	"	20.0	ND	114	55-138			
Surrogate: 1,2-Dichloroethane-d4	28.5		"	30.0		95	50-125			
Surrogate: Toluene-d8	21.6		"	30.0		72	62-125			
Surrogate: 4-Bromofluorobenzene	30.6		"	30.0		102	50-128			

Matrix Spike Dup (2102772-MSD1)		Source: 21D0074-01		Prepared & Analyzed: 04/06/21						
Benzene	23.7	5.0	µg/kg	20.0	ND	119	58-139	4	30	
Chlorobenzene	23.0	5.0	"	20.0	ND	115	62-134	3	30	
1,1-Dichloroethene	22.1	5.0	"	20.0	ND	111	53-152	8	30	
Toluene	17.6	5.0	"	20.0	ND	88	58-139	0	30	
Trichloroethene	23.3	5.0	"	20.0	ND	116	55-138	2	30	
Surrogate: 1,2-Dichloroethane-d4	25.7		"	30.0		86	50-125			
Surrogate: Toluene-d8	19.9		"	30.0		66	62-125			
Surrogate: 4-Bromofluorobenzene	29.6		"	30.0		99	50-128			



Phase I Assessment
273 Canyon Falls Dr
Folsom, CA 95630

Project: FORMER AL STACK, RADIATOR
Project Number: [none]
Project Manager: Farshad Vakili

CLS Work Order #: 21D0184
COC #: 213078

Notes and Definitions

QRL-7	The initial volume was decreased or the final volume of the extract was increased due to matrix interference, which resulted in higher reporting limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Phase II Environmental Site Assessment Report
Former Al Stack's Radiator Shop and Vacant Parcels of Land
301, 323, and 329 Petaluma Boulevard North, Petaluma, Sonoma County, California
April 16, 2021

**ATTACHMENT 5
INSURANCE LIABILITY
STATEMENT OF QUALIFICATION**

STATEMENT OF QUALIFICATIONS

phase1assessments.com

Farshad Vakili, PE

phase1assessments.com

273 Canyon Fall Drive,

Folsom California 95630

Mobile: 916-804-6232

Fax: 916-988-6639

www.phase1assessments.com

COMPANY PROFILE

Phase1assessments.com is an environmental consulting firm providing services to banks, contractors, commercial brokers and investors, residential developers, real estate agents, attorneys, mortgage companies, property owners, prospective buyers, property sellers and development companies associated with real estate transactions, commercial or industrial loans and business leases.

Our company is fully insured and conducts Phase I and II Environmental Site Assessments as well as Limited Environmental Screen Reports for property transactions and initial environmental investigations. Our Company has been serving the Northern California area since 2006. All assignments are conducted by registered Professional Engineers in California, and meet ASTM Standards.

As a professional engineer, Mr. Farshad Vakili founded the company and has been doing business as the President and Principal Engineer since 2006. Mr. Vakili has experience in dealing with all the phases of federal, state and local environmental issues. Mr. Vakili's extensive knowledge of the local, state and federal regulatory process is attributed to his 30 plus years working as an Environmental Engineer and Supervising Manager for California Department of Toxic Substances Control, California Department of Health Services in Sacramento, California as well as a Fairchild Semi-Conductor Company in San Rafael, California. Mr. Vakili retired from California Department of Toxic Substances Control after 30 plus years of environmental engineering service on March 1, 2016. Mr. Vakili has also completed over 300 plus Phase I and Phase II Reports, California Environmental Quality Act (CEQA) Initial Study documents for local banks and prospective buyers since 2006.

Limited Environmental Screening Reports

Reliance Letter (SBA) / Read & Rely Letter (Banks) / Transition Screening Assessment

Not all circumstances require a full Phase I Environmental Site Assessment (ESA). A limited scope environmental report can be successful at screening for high environmental risk properties. These reports or letters inform if there are any known environmental liabilities at the property and/or if there is a need to conduct a full Phase I ESA Report should you decide to go forward.

If the purchase is completed for one of the Limited Environmental Screening Reports and the decision is to have a full Phase I ESA Report within three months, we will apply the payment for the initial report toward the cost of the Phase I ESA Report.

Phase I Environmental Site Assessment Report

Our Phase I ESA reports adhere to and exceed the American Society of Testing & Materials E-1527-13 Standards and are normally performed for commercial structures, residential developments, agricultural lands and industrial properties, and are usually required by banks for real estate purchase loans or refinancing. The scope of the report includes a site visit, historical research, geology and hydrogeology review, regulatory agency search and interviews.

Phase II Environmental Site Assessment Report

The purpose of a Phase II ESA Report is to determine the presence of petroleum products or hazardous constituents in the subsurface area of a particular site. Our Phase II ESA Reports are conducted according to the ASTM Standard Guidelines for investigation at contaminated sites or to meet a client's specific needs.

Farshad Vakili PE., President, and Principal Engineer (phase1assessment.com)

Mr. Vakili has over 30 years of experience in all phases of federal, state and local hazardous waste permitting and regulatory agency activities. Mr. Vakili founded phase1Assessments.com and has been conducting business as the President and Principal Engineer since 2006. Mr. Vakili's knowledge of the local, state and federal regulatory process is attributed to his 30 plus years working as the Chief of Permitting Storage and Treatment Branch for the California Department of Toxic Substances Control (DTSC). During his tenure over the past 27 years with DTSC, Mr. Vakili was responsible for permitting hazardous waste facilities; providing corrective action remediation solutions; assisting enforcement of the laws; approving closure verification; reviewing groundwater monitoring data interpretation; assigning project manager roles and responsibilities; supervising project managers' tasks; holding public meetings/hearings; reviewing and approving California Environmental Protection Agency (CEQA) documents including Initial Studies, Negative Declarations and Environmental Impact Reports, and drafting consent agreements for remediation activities. As a Waste Management Engineer for the California Department of Health Services (DHS) in 1986-1990, Mr. Vakili successfully established a program to initiate new law for used oil handlers and recyclers in the State of California and providing technical support to treatment storage and disposal facilities across the State. The activities included issuing variances from permitting requirements and overseeing the corrective action at contaminated facilities. Mr. Vakili was the contributing author in Used Oil Regulations and the author of the widely used manual on How to Obtain State Permits. Mr. Vakili served as DHS Subject Matter Expert in adopting USEPA regulations, and representing DHS in the industry.

As an Environmental Health and Safety Manager for Fairchild Semi-Conductor in San Rafael, California Mr. Vakili was responsible for the health and safety of all corporate staff and ensuring company compliance with local, state and federal laws. This included corporate regulation compliance, development and enforcement of all personnel health and safety policies including the disaster recovery plan for air, water and soil contamination and/or exposure and managing the emergency coordination plan in the event of a catastrophe. Mr. Vakili was rewarded with greatly reducing the air pollution produced by the Facility through a project he managed and implemented consisting of evaluating alternative chemicals used in production and compliance with Bay Area Air Pollution Control District.

Professional Engineer in Mechanical Engineering in the State of California (M29991)



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
11-02-2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Valerie Adams Insurance Agency 7932 Sunset Ave., #G Fair Oaks, CA 95628	CONTACT NAME: PHONE (A/C, No, Ext): 916-961-3436 FAX (A/C, No): 916-961-3497 E-MAIL ADDRESS: vadamsinsurance@yahoo.com
INSURED Farshad Vakili, PE DBA: Phase 1 Assessments.com 273 Canyon Falls Dr Folsom CA 95630	INSURER(S) AFFORDING COVERAGE INSURER A: Capitol Specialty Ins Corp INSURER B: Capitol Specialty Ins Corp INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			EV20183950-03	11/9/2020	11/9/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Anyone person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED \$ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
B	Professional Liability			EV20183950-03	11/09/2020	11/09/2021	Each Prof Incident \$1,000,000 Aggregate Limit \$2,000,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Farshad Vakili, PE DBA: Phase 1 Assessments.com 273 Canyon Falls Drive Folsom, CA 95630	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
--	---

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