TETRA TECH

September 19, 2019

Alan Zamboanga
California Department of Resources Recycling and Recovery
1001 I Street,
CalRecycle Contracts Unit, MS-19A
Sacramento, CA 95814

Subject: Final Assessment of Ash Sampling – Camp Fire Incident
Contract No. DRR18087

Dear Mr. Zamboanga:

Tetra Tech Inc. (Tetra Tech) is submitting the Final Assessment of Ash Sampling Report for the Camp Fire Incident. This report summarizes the results of the assessment of ash at burned residential areas bordering waterways associated with the November 2018 Camp Fire located in Butte County, California. Tetra Tech performed this assessment on behalf of the California Department of Resources Recycling and Recovery in accordance with the 2019 Camp Fire Incident Sampling and Analysis Plan (SAP) prepared by Tetra Tech.

Appendices B and C are too large for the electronic submittal and will be provided under separate cover. This document addresses comments received from Todd Thalhamer on August 9, 2019, and finalizes the version dated August 19, 2019.

If you have any questions regarding this plan, please call me at (570) 417-1280.

Sincerely,

Original signed by Chri Burns

Chris Burns
Incident Commander

Enclosure

Tetra Tech, Inc.
2301 Lucien Way, Suite 120
Maitland, Florida 32751
www.tetratech.com

ASSESSMENT OF ASH SAMPLING
CAMP FIRE INCIDENT
BUTTE COUNTY, CALIFORNIA

Prepared for

California Department of Resources Recycling and Recovery
1001 I Street
CalRecycle Contracts Unit, MS-19A
Sacramento, CA 95814

Submitted by

Tetra Tech, Inc.
2301 Lucien Way
Suite 120
Maitland, Florida 32751

Contract No. DRR18087

September 19, 2019

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EXECUTIVE SUMMARY

This report presents the results of the assessment of ash at burned residential areas bordering waterways associated with the November 2018 Camp Fire located in Butte County, California. Tetra Tech, Inc. performed this assessment on behalf of the California Department of Resources Recycling and Recovery (CalRecycle) accordance with the Soil Sampling Plan, Revision 3 (Tetra Tech 2019a) and the Abbreviated Sampling and Analysis Plan (Tetra Tech 2019b), specific to the ash sampling event.

The primary hazards associated with this incident are asbestos-containing materials and heavy metals within the debris remaining from the Camp Fire. Winter rains helped extinguish the Camp Fire in late November, but also meant hazardous contaminants from the fire soaked into the ground and ran into waterway tributaries. Some of these hazardous contaminants can include:

- Metals from batteries, treated wood, and melted plumbing fixtures;
- Pesticides and herbicides from residential use;
- Asbestos-containing materials from building materials;
- Polycyclic aromatic hydrocarbons (PAH) including dioxins and furans from burned tires and plastic; and
- Polychlorinated biphenyls (PCB) from appliances and automotive parts.

The objective of the ash sampling was to characterize contaminants within the ash and determine if the ash located on properties within 50 feet of a natural waterway or drainage are above human health or ecological screening levels. This assessment was a limited investigation to obtain field data and should not be used for risk assessments.

A total of 41 residential properties were sampled for a total of 150 individual samples. Ash samples were analyzed for a full suite of constituents, as detailed in the report.

Results were compared to established Camp Fire-specific background levels for the metals/inorganics and to established human health and ecological screening levels for the organic analytes to determine if chemicals were present at concentrations exceeding these levels.

Of the 41 properties, results from four properties did not have metal results over the screening levels. The remaining 37 properties had at least one metal result over the screening level. Eight metals were identified over their applicable levels: antimony, arsenic, cadmium, cobalt, copper, lead, nickel, and zinc. All other chemical results were below the screening levels, or established screening levels do not exist.

The results demonstrate that metals in ash in streamside residential areas affected by the Camp Fire are above established screening levels. The results of this assessment confirm that elevated metal concentrations identified in ash is consistent with elevated metals concentrations identified in soil samples collected during debris removal activities at individual residential properties.

1.0 INTRODUCTION

This report summarizes the results of the assessment of ash sampling from burned residential properties located near natural waterways in association with the November 2018 Camp Fire Incident located in Butte County, California.

The California Department of Resources Recycling and Recovery (CalRecycle) contracted with Tetra Tech to perform ash sampling in association with debris removal activities at the site in accordance with the Soil Sampling Plan, Revision 3 (Tetra Tech 2019a) and the Abbreviated Sampling and Analysis Plan (Tetra Tech 2019b), specific to the ash sampling event.

The objective of the ash sampling was to characterize contaminants within the ash and determine if the ash located on select properties adjacent to streams are above human health or ecological screening levels. This assessment was a limited investigation to obtain field data and should not be used for risk assessments. For the purposes of the ash sampling, the designated properties are primarily located in and around the Town of Paradise, California.

This document describes ash sampling procedures and results from the ash sampling. The ash samples help characterize hazards associated with remnant debris from the incidents, which is removed as a part of CalRecycle's program. The removal activities consist of removing all burned debris, including stucco, roofing, floor tile, linoleum, fireplaces, furnaces, vinyl tiles and mastic, sheetrock and joint compound, asbestos cement pipe, exterior home siding, thermal system insulation, concrete, white goods, vehicles, vegetation, construction debris, electronic waste, household hazardous chemicals, and the top layer of soil beneath the debris.

1.1 BACKGROUND

The Camp Fire Incident burned 153,336 acres, destroyed over 18,000 structures and was the deadliest wildfire in California history. The fire started on November 8, 2018 and was 100-percent contained on November 25, 2018. The fire caused at least 85 civilian fatalities and injured over a dozen people.

On November 8, 2019, then-Acting Governor Gavin Newsom issued an emergency proclamation for Butte County due to the effects of the Camp Fire. On November 12, 2018, President Trump approved an expedited request for a major disaster declaration for the State of California for several active fires including the Camp Fire in Butte County. This presidential disaster declaration made federal disaster aid funding available for the Camp Fire. Federal Environmental Management Agency (FEMA) assistance was subsequently granted in the form of a "Fire Management Assistance Grant," which covers a variety of eligible costs, but does not

cover removal of burned debris and ash known to contain potentially hazardous materials and which may pose a threat to human health and water quality in and around the affected areas.

Winter rains helped extinguish the Camp Fire in late November, but also meant hazardous contaminants from the fire soaked into the ground and ran into waterway tributaries. Some of these hazardous contaminants can include:

- Metals from batteries, treated wood, and melted plumbing fixtures;
- Pesticides and herbicides from residential use;
- Asbestos-containing materials from building materials;
- Polycyclic aromatic hydrocarbons (PAH) including dioxins and furans from burned tires and plastic; and
- Polychlorinated biphenyls (PCB) from appliances and automotive parts.

The primary hazards associated with the remaining debris on residential properties from Camp Fire are asbestos-containing materials and heavy metals.

1.2 SCOPE OF WORK

The ash sampling was used to help determine specific hazardous constituents in the residential burn debris and ash on properties located adjacent to waterways. Sampling data collected during the ash sampling effort were used to evaluate the presence of contaminants which may pose hazards to human health or ecological receptors in nearby waterways based on established screening levels discussed further in Section 4.1.

Approximately 50 residential properties located adjacent to streams were originally selected for ash sampling and analysis. Of the 50 selected, eight properties did not have structures over 1,000 square feet, and one property had debris removal completed. As a result, 41 properties were sampled.

The ash samples were analyzed for the following constituents of concern (COC):

- Total Dissolved Solids (TDS) on Water Extract by U.S. Environmental Protection Agency (EPA) 160.1
- Inorganic Anions by EPA 300.0
- Trace Elements by EPA 6010B
- Total Cyanide by EPA 9012
- Total Metals by EPA 6020/7471
- Polynuclear Aromatic Hydrocarbons (PAH) by EPA 8270D-SIM
- Total Sulfides by EPA 9030
- Total Threshold Limit Concentration (TTLC) 17 metals by EPA 6020/7471
- pH by EPA 9045D
- Temperature by EPA 9045D
- *Per- and polyfluoroalkyl substances (PFAS) by EPA 537M

- *Polybrominated Diphenyl Ethers (PDBEs) by EPA 1614

  ** 20 percent of the samples were analyzed for these parameters*

The COCs detected in the ash samples were compared to established screening levels and other established criteria to determine if COCs were present at concentrations exceeding the screening levels. These screening levels are discussed further in Section 4.1 and presented in Table 1.

2.0 SITE DESCRIPTION AND BACKGROUND

This section provides a general description of the selected properties for ash sampling, regulatory guidance, COCs, and sampling locations.

2.1 DESCRIPTION OF SAMPLED AREAS

All sampled properties had at least one burned structure that was greater than 1,000 square feet and the property had not been cleared of debris. The majority of sampling locations were residential properties located within 50 feet of a natural waterway or drainage. Most of these natural waterways or drainages were unnamed intermittent, ephemeral or perennial drainages that were tributaries to larger riparian systems in the region including:

- Little Butte Creek
- Middle Butte Creek
- Butte Creek
- Honey Run
- Clear Creek

Other drainages included swales and roadside ditches.

Seven of the 41 properties were not located within 50 feet of a natural waterway or drainage. These properties were within several hundred feet of a natural waterway or drainage, or had another anomalous feature (swimming pool with fish).

2.2 REGULATORY GUIDANCE

Sampling was conducted in accordance with the Soil Sampling Plan, Revision 3 (Tetra Tech 2019a) and the Abbreviated Sampling and Analysis Plan (Tetra Tech 2019b), specific to the ash sampling event, and several regulatory guidance documents. These documents provided guidance on evaluating COCs, evaluation sampling protocols, and evaluating threats posed by burn debris and ash on the environment. A list of these documents can be found in the references section.

2.3 CONSTITUENTS OF CONCERN

Ash and debris from residential structures burned by fires can contain concentrated amounts of heavy metals, such as antimony, arsenic, cadmium, copper, lead, and zinc, as discussed in the “Guidance for Conducting Emergency Debris, Waste, and Hazardous Material Removal Actions Pursuant to a State or

Local Emergency Proclamation" (California Environmental Protection Agency 2011) and "Assessment of Burned Debris—2015 Wildfires Lake and Calaveras County, California" (DTSC 2015).

Ash and debris can also contain pesticides and herbicides from residential use; asbestos-containing materials from building materials; PAHs from burned tires and plastic; and PCBs from appliances and automotive parts.

2.4 SAMPLING AREAS

Sampling of the ash on the designated properties was performed on or near the footprint of the former structures (where the burn debris and ash is typically located). Additional information on the geologic units and the site features of the sampled areas are included below.

Forty of the 41 properties sampled were located in the Tvp geologic unit. The Tvp geologic unit consists of Tertiary volcanics, proclastics, and andesite. One property was located in the Tc geologic unit. The Tc geologic unit consists of Tertiary, nonmarine sedimentary, sandstones, conglomerates, and lake deposits.

All properties had been granted access through Right of Entry approval by each individual land owner prior to sampling. All properties were residential and located adjacent to natural waterways including streams, creeks, or other water features. The properties also had at least one structure over 1,000 square feet and debris (generated from the fire) had not yet been removed.

The 41 properties sampled are shown on Figure 1.

3.0 SITE ASSESSMENT FIELD ACTIVITIES

The following sections describe the sampling methodology, analytical parameters, and sample handling procedures that were followed.

3.1 SAMPLING METHODOLOGY

Ash sampling was based on the EPA's "Superfund Lead-Contaminated Residential Sites Handbook" (EPA 2003) and DTSC's "Assessment of Burned Debris – 2007 Wildfires San Bernardino and San Diego Counties, California" (DTSC 2007). Sampling was conducted consistent with the Camp Fire Incident Soil Sampling Plan, Revision 3 (Tetra Tech 2019a) and the Abbreviated Soil Sampling Plan (Tetra Tech 2019b). A total of 150 samples were collected over the 41 properties. The samples were collected on April 12, 13, 15, 16, 17, and 18, 2019.

The number of ash samples collected at each property was determined based on the estimated square footage of the ash footprint. All ash footprints were greater than 1,000 square feet and divided up into thirds to make three decision units (DU) for each footprint. Three-point composites were collected from each of the three DUs per footprint.

Field quality assurance/quality control (QA/QC) measures consisted of collecting field duplicates and providing the laboratory with sample volume for matrix spike/matrix spike duplicates, and maintaining photographic, logbook, and chain-of-custody documentation. Equipment blank or rinsate samples were not required since all sampling equipment was dedicated to each sample. Therefore, no decontamination was required.

The laboratory analyzed the matrix spike/matrix spike duplicate samples at approximately 5 percent of the total samples. Those results are included within the laboratory quality control batch sheets within the data packages.

Duplicate samples were collected at approximately 10 percent of the total samples: 18 duplicate samples were collected. Duplicate sample results were used to evaluate variability within a given property, not the sampling and analytical precision. Relative percent differences (RPD) were calculated for duplicate results with COCs exceeding the screening levels and defined by:

$$RPD = \frac{|S1-S2|}{AVE} \times 100$$

where: S1 = first sample result
S2 = second sample result

AVE = average of sample and duplicate (S1+S2)/2

RPD calculations are provided in Table 2. There are no specific benchmarks or pass/fail criterial for evaluating RPDs for a soil (or ash) sampling program. Similar to soil, ash is likely highly heterogeneous, and even when implementing the highest level of sampling technique to minimize sample variability, such as incremental sampling methodology, elevated RPDs can be expected. For this program, the sampling method was selected consistent with the confirmation sampling method identified in the Soil Sampling Plan (Tetra Tech 2019a) and considered acceptable for characterizing ash concentrations at the residential lot scale.

Twenty-four metals analyzed in duplicate exceeded the cleanup goal in either one or both of the duplicate results. The RPDs range from 16 to 197 percent. Results from twelve of the duplicate pairs were both above the cleanup goals, and results from twelve pairs were above and below the cleanup goals. Results from 282 sample pairs we both below the screening levels, representing 92 percent of the duplicate sample results. In summary, 3.9 percent of the duplicate data (those with results both above and below the screening levels) indicate the possibility for a false positive or false negative evaluation. Generally, RPD results indicate that the sample technique was acceptable to evaluate variability of COCs exceeding screening levels.

3.2 NATURE OF MATERIALS SAMPLED

The material sampled ranged from white fine ash to black coarse ash with small fragments of metal, glass and other debris like drywall. Debris larger than pea-sized was generally avoided. The samples were collected from the top surfaces of the foundations of former houses and garages which were generally concrete slabs or rock and mortar (for older structures). Every attempt was made to collect ash rather than near-surface soils.

3.3 FIELD DOCUMENTATION

At each sampling site the following information was collected and documented on field forms:

- Field crew names
- Sampling date
- Site address and Assessor's Parcel Number (APN)
- Field map/sketch of the structure footprint sampled and approximate sample locations
- Sample identification numbers
- Chain-of-custody numbers
- Any other general observations

3.4 SAMPLE HANDLING

The collected samples were labeled, packaged, and shipped in accordance with procedures outlined in Tetra Tech Standard Operating Procedure (SOP) No. 019, "Packing and Shipping Samples" (Appendix C).

3.4.1 Sample Labeling and Identification

Samples were assigned a unique sample identification number. The identifier was composed of the following information:

- Site Name – Camp Fire Incident – BFI (B designation for Butte County)
- Sample Type (AS for ash, Assessor Parcel Number [APN] for confirmation)
- Sample number

During the sampling event, the sampling team entered information on the site regarding the project, sampling team, analysis, location, matrix, collection time and date in a log book in accordance with Tetra Tech SOP No. 024, "Recording of Notes in Field Logbook" (Appendix C).

3.4.2 Sample Containers and Transportation

All ash samples were collected from a depth of 3 to 6 inches below ground surface (bgs) within the ash piles using a dedicated 4-ounce plastic scoop and were placed in appropriate bottleware, labeled, and stored in a cooler for shipment and analysis in accordance with Tetra Tech SOP No. 019 "Packaging and Shipping Samples" (Appendix C).

All soil samples were shipped to BC Laboratories in Bakersfield, California, California ELAP #1186 for analysis under chain-of-custody documentation discussed below.

3.4.3 Chain-of-Custody Procedures

EPA-recommended sample chain-of-custody procedures were followed during the ash sampling. Emphasis was placed on careful documentation of sample collection and sample transfer. To ensure that all pertinent information related to each sample was recorded, the documentation procedures described in the previous sections were implemented during collection of all the samples.

Field personnel who collected the samples were responsible for the care and custody of the sample until it was properly transferred to the laboratory or delivered to a delivery agent. A chain-of-custody record accompanied all samples. When transferring the possession of samples, the individuals relinquishing and receiving the samples signed, dated, and noted the time on the chain-of-custody form. The company relinquishing the samples and the company receiving the samples were also noted. The chain-of-custody records and laboratory analytical results are presented in Appendix B.

3.4.4 Decontamination Procedures and Investigation-Derived Waste

Tetra Tech did not use any non-disposable equipment; therefore decontamination was not required. Dedicated sampling equipment and personal protective equipment (PPE) was double-bagged and disposed with all other used PPE waste produced at the site. All investigation-derived waste (IDW) was double-bagged by Tetra Tech and left on site. The IDW was disposed of as dry industrial waste by the contractor performing removal.

3.5 ANALYTICAL QC PARAMETERS

Laboratory analyses were performed by BC Laboratories in Bakersfield, California, California ELAP #1186. Each sample was analyzed for the list of analytes included in Section 1.2. The QC parameters followed by BC Laboratories are presented below.

Method Blanks: A method blank is a laboratory-generated sample that assesses the degree to which laboratory operations and procedures cause false-positive analytical results for the samples. The method blank results associated with the samples are included with the laboratory report.

Laboratory Control Spike and Laboratory Control Spike Duplicate (LCS/LCSD): LCS/LCSDs are laboratory control samples that are spiked with known analyte concentrations and analyzed at one per batch of 20. LCS/LCSD results are assessed for percent recovery and RPD and compared to established method-specific control limits. The LCS/LCSD results associated with the samples are included in the laboratory report.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): MS/MSDs are field samples spiked with known analyte concentrations and analyzed at one per batch of 20. MS/MSD results are assessed for percent recovery and RPD and compared to established method-specific control limits. The MS/MSD results associated with the samples are included in the laboratory report.

3.6 VALIDATION OF LABORATORY ANALYTICAL RESULTS

Tetra Tech performs a Stage 2A validation on the laboratory data packages as defined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" (EPA 2009). These validations are performed in accordance with Tetra Tech SOP No. 203, "Laboratory Analytical Data Verification – Minimum Requirements" (Appendix C) and the National Functional Guidelines for Organic and Inorganic Superfund Methods Data Review (EPA 2017). For field duplicates, the RPDs between the duplicate samples were calculated by a Tetra Tech QA reviewer and RPDs greater than 50 percent (or differences greater than the quantitation limit if one of the results was below the quantitation limit or non-

detect) were summarized in a data summary report. Corrective actions may include resampling, reassessment of the laboratory's methods, or the addition of data qualifiers to laboratory results.

Copies of the Laboratory Analytical Certificates and the Data Validation Memoranda will be included in an updated report following completion of data validation activities.

4.0 SUMMARY OF RESULTS

The following section summarize the results and findings from the laboratory reports of the ash sampling. Laboratory analytical results from the ash sampling are included in Appendices A and B.

4.1 ESTABLISHED SCREENING LEVELS

All metals results were compared to the cleanup goals established for the Camp Fire Incident; other analytes were compared to available EPA risk-based screening levels (RSLs) and DTSC Human and Ecological Risk Office (HERO) values. These cleanup goals are included in Table 2.

Background levels were established for metals within each geologic unit within the Camp Fire Incident, as presented in the Camp Fire Incident, Background Sampling and Cleanup Goals Report, Revision 2 (Tetra Tech 2019c). Background levels are applied when naturally-occurring or ambient concentrations are higher than the most stringent screening levels. The two geologic background sets applicable to the ash sampling were Tvp and Tc, as shown on Table 2. The sample results were compared to these geologic unit-specific cleanup goals plus the lab margin of error.

Hereafter, the cleanup goals or screening levels for both inorganics and organic analytes are referred to as screening levels.

Results of the comparisons to screening levels are shown for each property in Appendix A. Complete analytical results for each sample, including chain-of-custody and laboratory cover sheets are provided in Appendix B.

Several PAHs were detected on 40 of the 41 properties; however, none of the detections exceeded the screening levels. These PAHs included: acenaphthene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene.

Results from two properties indicated polyfluoroalkyl substances (perfluorohexanoic acid and perfluoro-octanesulfonate) are above their applicable EPA reference dose levels, which are not established screening levels.

4.2 ANALYTICAL RESULTS

This section provides a summary of the detected concentrations above screening levels for each analytical group. Only metals were detected above the screening levels. All other analytes were below the screening levels, or screening levels do not exist. A summary of the result of detections below screening levels is not warranted for this evaluation as they would not indicate contaminant trends or indications of widespread contamination within the ash samples.

Samples were analyzed for the California Code of Regulations (CCR) Title 22 metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc) by EPA Method 6020 and mercury by EPA Method 7471.

Thirty-seven of the 41 properties indicated results over the screening levels. Eight metals were identified over their applicable screening levels: antimony, arsenic, cadmium, cobalt, copper, lead, nickel, and zinc. The table below summarizes the frequency of these metals found over their applicable screening level by number of properties and samples.

SUMMARY OF METALS DETECTED ABOVE SCREENING LEVELS

Metals	Properties with Exceedances	Samples with Exceedances	Minimum Detected Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	Average Detected Concentration (mg/kg)	Cleanup or Background Level [a] (TVP/TC Geologic Unit)
Antimony						31/31
Arsenic	22	44	1.1	1,100	19.35	7.7/2.3
Cadmium	8	12	0.24	170	9.00	5.2/5.2
Cobalt	4	4	1.8	120	9.23	36/28
Copper	19	26	17	65,000	2,568.20	2,499/2,499
Lead	27	53	3.6	51,000	706.26	80/80
Nickel	1	1	9.4	1,300	58.87	490/490
Zinc	10	15	140	38,000	1,890.73	4,999/4,999

Notes:

mg/kg milligrams per kilogram

a Arsenic and cobalt levels for the Tvp and Tc units are based on background levels. For all other metals listed, the cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels.

Sources:

Total Threshold Limit Concentration (TTLC), California Code of Regulations, Title 22, Chapter 11, Article 3. Screens set 1 mg/kg below TTLC value.

U.S. Environmental Protection Agency, Risk-Based Screening Levels (RSL), November 2018.

California Department of Toxic Substances Control (DTSC), Office of Human Health and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-Modified Screening Levels. June 2018.

Results from the metals analyses indicate widespread metals contamination above the screening levels within the properties sampled.

5.0 CONCLUSIONS

The objective of this investigation was to perform a representative characterization of the residential ash related to burned debris at 41 select properties adjacent to waterways to assess the presence of hazardous constituents at concentrations exceeding established screening levels for each geologic unit. Measured concentrations are used to help to determine if there was the potential for adjacent waterways to be impacted by burn debris from nearby properties.

Laboratory analytical data demonstrates that metals concentrations within the ash at the properties sampled are above established screening levels; in some cases, significantly above the levels.

This data supports the removal of the ash and burn debris and subsequent confirmation soil sampling underneath the structural foundations to further determine if residual contamination above these screening levels remains.

These conclusions are based on a limited number of samples and are not intended to make final cleanup decisions, nor expected to provide recommendations commensurate with a risk assessment.

6.0 REFERENCES

California Environmental Protection Agency. 2011. Guidance for Conducting Emergency Debris, Waste, and Hazardous Material Removal Actions Pursuant to a State or Local Emergency Proclamation. Version 1.4.3. October 7.

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC). 2019. Office of Human Health and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SL). April.

DTSC. 2015. "EPA Review of the Assessment of Burned Debris—2015 Wildfires, Lake and Calaveras Counties, California" December

DTSC. 2007. "Assessment of Burned Debris 2007 Wildfires- San Bernardino and San Diego Counties, California" December

Tetra Tech, Inc. (Tetra Tech). 2019a. Sampling and Analysis Plan, Revision 3, Camp Fire Incident. February 6.

Tetra Tech, Inc. 2019b. Abbreviated Sampling and Analysis Plan for the Camp Fire Incident. April 1.

Tetra Tech, Inc. 2019c. Camp Fire Incident, Background Sampling and Cleanup Goals Report, Revision 2. April 1.

Tetra Tech. 2014. Recording of Notes in Field Logbook, SOP No. 024-2. November.

Tetra Tech. 2014. Packaging and Shipping Samples, SOP No. 19-7. November.

Tetra Tech. 2010. Laboratory Analytical Data Verification – Minimum Requirements, SOP No. 203. August.

Tetra Tech. 2009. Soil Sampling, SOP No. 005-2. June.

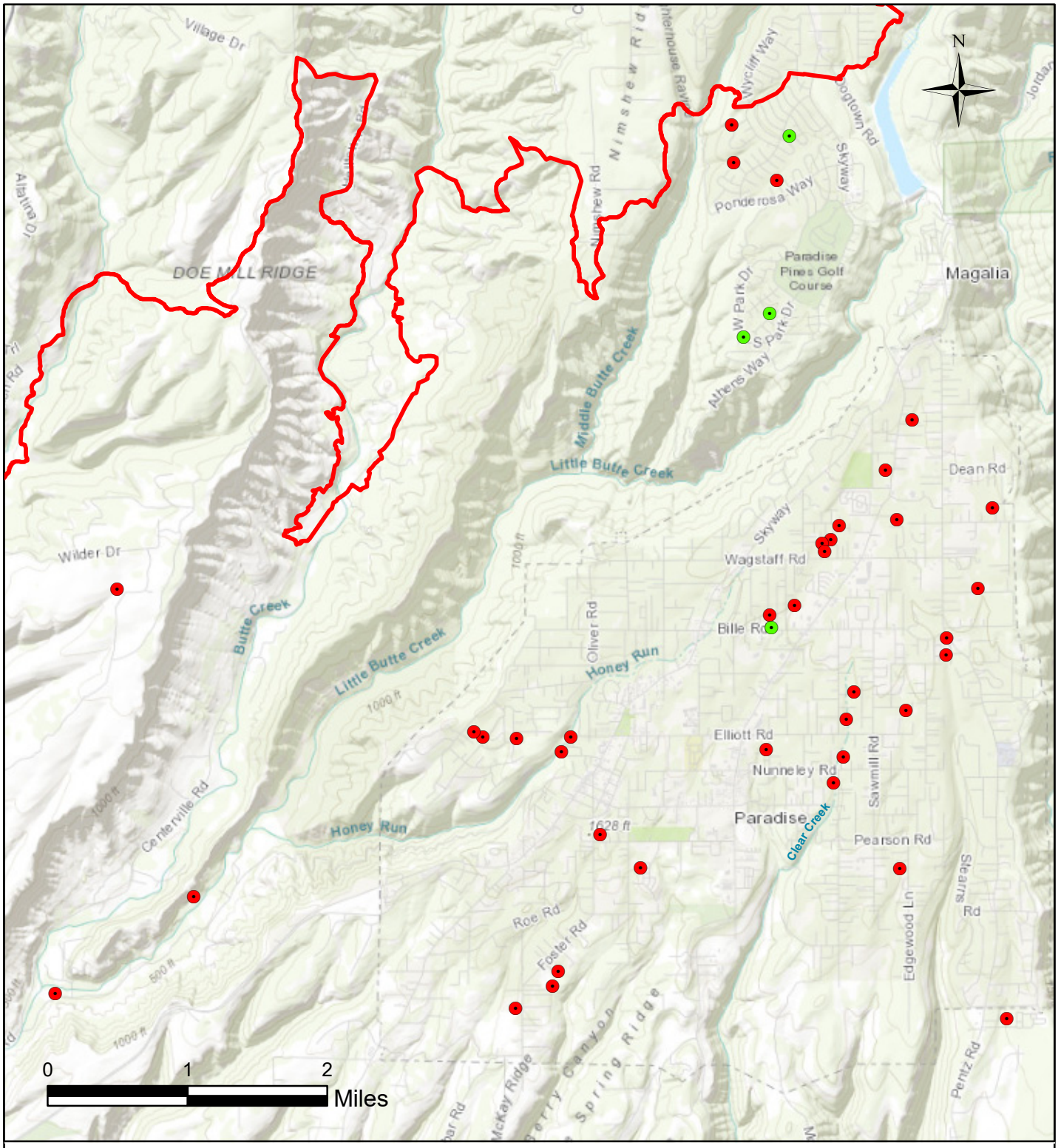
United States Environmental Protection Agency (EPA). 2019. Risk-Based Screening Levels (RSL). May.

EPA. 2017. National Functional Guidelines for Organic and Inorganic Superfund Methods Data Review. ISM 02.4. EPA-540-R-2017-001. January.

EPA. 2009. Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use. EPA 540-R-08-005. January 13.

EPA. 2003. "Superfund Lead Contaminated Residential Handbook". August.

FIGURE



Ash Sample Location
Results below cleanup goals and laboratory margin of error

Ash Sample Location
Results exceed cleanup goal and laboratory margin of error

Incident Boundary

TETRA TECH

Camp Fire
Butte County, California

Figure 1
Ash Sampling
Metals

8/14/2019 C:\CalRecycle\Camp Fire\Ash Sampling\Figure1_Camp_Ash_Sampling.mxd TtEMI michelle.handley

APN	ADDRESS	LATITUDE	LONGITUDE	MAP SYMBOL / COMMENTS
017-110-057	2459 HONEY RUN RD CHICO CA 95926	39.742995	-121.680290	Results exceed cleanup goal and laboratory margin of error
017-180-027	1859 HONEY RUN RD CHICO CA 95926	39.733038	-121.698943	Results exceed cleanup goal and laboratory margin of error
050-052-031	1643 WEE DELL RD PARADISE CA 95969	39.792029	-121.583507	Results exceed cleanup goal and laboratory margin of error
050-081-043	6961 CLARK RD PARADISE CA 95969	39.786854	-121.587152	Results exceed cleanup goal and laboratory margin of error
050-140-060	1572 ADAMS RD PARADISE CA 95969	39.781718	-121.585605	Results exceed cleanup goal and laboratory margin of error
050-220-008	6561 WHEELER RD PARADISE CA 95969	39.782866	-121.572787	Results exceed cleanup goal and laboratory margin of error
050-240-070	1833 STARK LN PARADISE CA 95969	39.774484	-121.574833	Results exceed cleanup goal and laboratory margin of error
050-330-044	6467 LONE CEDAR LN PARADISE CA 95969	39.779637	-121.594533	Results exceed cleanup goal and laboratory margin of error
050-340-031	6454 MOSS LN PARADISE CA 95969	39.779279	-121.595677	Results exceed cleanup goal and laboratory margin of error
050-340-048	6426 APOLLO LN PARADISE CA 95969	39.778462	-121.595341	Results exceed cleanup goal and laboratory margin of error
050-350-026	1409 ANDREA LN PARADISE CA 95969	39.781095	-121.593395	Results exceed cleanup goal and laboratory margin of error
051-172-025	6236 OAK WAY PARADISE CA 95969	39.771894	-121.602791	Results exceed cleanup goal and laboratory margin of error
051-172-061	1201 BILLE RD PARADISE CA 95969	39.770597	-121.602545	Results below cleanup goals and laboratory margin of error
051-173-052	1281 FAWNBROOK PL PARADISE CA 95969	39.772866	-121.599417	Results exceed cleanup goal and laboratory margin of error
051-190-069	212 VALLEY VIEW DR PARADISE CA 95969	39.759908	-121.642607	Results exceed cleanup goal and laboratory margin of error
051-300-009	271 REDBUD DR PARADISE CA 95969	39.759392	-121.641392	Results exceed cleanup goal and laboratory margin of error
051-330-027	5850 CRESTMOOR DR PARADISE CA 95969	39.759219	-121.636868	Results exceed cleanup goal and laboratory margin of error
052-110-056	6441 BEECHWOOD DR PARADISE CA 95969	39.759370	-121.629530	Results exceed cleanup goal and laboratory margin of error
052-110-066	540 BOQUEST BLVD PARADISE CA 95969	39.757836	-121.630795	Results exceed cleanup goal and laboratory margin of error
052-235-031	5565 SIERRA PARK DR PARADISE CA 95969	39.749236	-121.625630	Results exceed cleanup goal and laboratory margin of error
052-290-119	117 MAGNOLIA DR PARADISE CA 95969	39.745767	-121.620233	Results exceed cleanup goal and laboratory margin of error
053-131-086	5823 COPELAND RD PARADISE CA 95969	39.757997	-121.603316	Results exceed cleanup goal and laboratory margin of error
053-161-023	1443 POWELL LN PARADISE CA 95969	39.763872	-121.591497	Results exceed cleanup goal and laboratory margin of error
053-180-145	1612 SYLVAN WAY PARADISE CA 95969	39.762012	-121.584556	Results exceed cleanup goal and laboratory margin of error
053-210-066	1432 GORDON WAY PARADISE CA 95969	39.761096	-121.592558	Results exceed cleanup goal and laboratory margin of error
053-240-046	6351 HAROLD LN PARADISE CA 95969	39.767644	-121.579131	Results exceed cleanup goal and laboratory margin of error
053-330-119	5794 DEERPARK LN PARADISE CA 95969	39.757153	-121.592970	Results exceed cleanup goal and laboratory margin of error
053-340-021	6178 LAKEVIEW DR PARADISE CA 95969	39.769417	-121.579013	Results exceed cleanup goal and laboratory margin of error
054-141-031	5714 BONNIE LN PARADISE CA 95969	39.754517	-121.594305	Results exceed cleanup goal and laboratory margin of error
054-171-101	5461 EDGEWOOD LN PARADISE CA 95969	39.745603	-121.585476	Results exceed cleanup goal and laboratory margin of error
055-070-021	4951 FOSTER RD PARADISE CA 95969	39.731257	-121.637147	Results exceed cleanup goal and laboratory margin of error
055-130-107	541 CASA DR PARADISE CA 95969	39.735076	-121.631452	Results exceed cleanup goal and laboratory margin of error
055-150-038	455 APPLE LN PARADISE CA 95969	39.733559	-121.632210	Results exceed cleanup goal and laboratory margin of error

APN	ADDRESS	LATITUDE	LONGITUDE	MAP SYMBOL / COMMENTS
055-290-056	5040 ARDEN WAY PARADISE CA 95969	39.730013	-121.571199	Results exceed cleanup goal and laboratory margin of error
063-310-027	4885 ZINFANDEL DR FOREST RANCH CA 95942	39.774840	-121.690419	Results exceed cleanup goal and laboratory margin of error
064-480-010	14106 NORWICH CIR MAGALIA CA 95954	39.821454	-121.599807	Results below cleanup goals and laboratory margin of error
064-530-007	13937 CHESTNUT CIR MAGALIA CA 95954	39.816872	-121.601540	Results exceed cleanup goal and laboratory margin of error
064-570-004	14201 RACINE CIR MAGALIA CA 95954	39.822604	-121.607554	Results exceed cleanup goal and laboratory margin of error
064-600-024	6191 CALVARY CT MAGALIA CA 95954	39.818669	-121.607366	Results exceed cleanup goal and laboratory margin of error
066-210-055	13515 TUFTS CT MAGALIA CA 95954	39.800664	-121.606101	Results below cleanup goals and laboratory margin of error
066-240-019	13569 WICHITA DR MAGALIA CA 95954	39.803095	-121.602572	Results below cleanup goals and laboratory margin of error

TABLES

Table 1 Cleanup and Screening Levels
Camp Fire Incident, Butte County, California

Analyte	Cleanup Level - Tvp Unit	Cleanup Level - Tvp Unit (with LMOE)	Cleanup Level - Tc Unit	Cleanup Level - Tc Unit (with LMOE)	US EPA RSL [b]	DTSC HERO [c]	Soil Risk-based Screening Levels [d]
Metals							
Antimony	31	37	31	37	--	--	--
Arsenic	7.7	9.2	2.3	2.7	--	--	--
Barium	9,999	9,999	9,999	9,999	--	--	--
Beryllium	15	18	15	18	--	--	--
Cadmium	5.2	6.2	5.2	6.2	--	--	--
Chromium [b]	2,499	2,499	2,499	2,499	--	--	--
Cobalt	36	43	28	33	--	--	--
Copper	2,499	2,499	2,499	2,499	--	--	--
Lead	80	80	80	80	--	--	--
Mercury	1	1.2	1	1.2	--	--	--
Molybdenum	390	468	390	468	--	--	--
Nickel	490	588	490	588	--	--	--
Selenium	99	99	99	99	--	--	--
Silver	390	468	390	468	--	--	--
Thallium	5	6	5	6	--	--	--
Vanadium	390	468	390	468	--	--	--
Zinc	4,999	4,999	4,999	4,999	--	--	--
Volatile Organic Compounds (VOCs)							
1,1-Dichloroethylene	--	--	--	--	230	83	83
1,2-Dichloroethane	--	--	--	--	0.46	--	0.46
1,4-Dichlorobenzene	--	--	--	--	2.6	--	2.6
Acetone	--	--	--	--	61,000	--	61,000
Benzene	--	--	--	--	1.2	0.33	0.33
Carbon Tetrachloride	--	--	--	--	0.65	0.65	0.65
Chlorobenzene	--	--	--	--	280	--	280
Chloroform	--	--	--	--	0.32	--	0.32
Ethylbenzene	--	--	--	--	5.8	--	5.8
Methyl Ethyl Ketone (MEK	--	--	--	--	27,000	--	27,000
Tetrachloroethylene (PCE)	--	--	--	--	24	0.59	0.59
Toluene	--	--	--	--	4,900	1,100	1,100
Trichloroethylene (TCE)	--	--	--	--	0.94	--	0.94
Vinyl Chloride	--	--	--	--	0.059	0.0082	0.0082
Xylenes	--	--	--	--	580	--	580
Semi-Volatile Organic Compounds (SVOCs)							
2,4,5-Trichlorophenol	--	--	--	--	6,300	6,300	6,300
2,4,6-Trichlorophenol	--	--	--	--	49	7.8	7.8
2,4-Dinitrotoluene	--	--	--	--	1.7	1.7	1.7
Cresol (total)	--	--	--	--	6,300	6,300	6,300
Hexachlorobenzene	--	--	--	--	0.21	0.19	0.19
Hexachlorobutadiene	--	--	--	--	1.2	1.2	1.2
Hexachloroethane	--	--	--	--	1.8	--	1.8
m-Cresol	--	--	--	--	3,200	3,200	3,200

Table 1 Cleanup and Screening Levels
Camp Fire Incident, Butte County, California

Methyl tert-Butyl Ether (MT	--	--	--	--	47	--	47
Nitrobenzene	--	--	--	--	5.1	--	5.1
o-Cresol	--	--	--	--	3,200	3,200	3,200
p-Cresol	--	--	--	--	6,300	6,300	6,300
Pentachlorophenol	--	--	--	--	1	1	1
Pyridine	--	--	--	--	78	58	58
Polycyclic Aromatic Hydrocarbons (PAHs)							
1-Methylnaphthalene	--	--	--	--	18	9.9	9.9
2-Methylnaphthalene	--	--	--	--	240	190	190
Acenaphthene	--	--	--	--	3,600	3,300	3,300
Anthracene	--	--	--	--	18,000	17,000	17,000
Benz[a]anthracene	--	--	--	--	1.1	1.1	1.1
Benzo(j)fluoranthene	--	--	--	--	0.42	0.42	0.42
Benzo[a]pyrene	--	--	--	--	0.11	0.11	0.11
Benzo[b]fluoranthene	--	--	--	--	1.1	1.1	1.1
Benzo[k]fluoranthene	--	--	--	--	11	11	11
Chrysene	--	--	--	--	110	110	110
Dibenz[a,h]anthracene	--	--	--	--	0.11	0.028	0.028
Fluoranthene	--	--	--	--	2,400	2,400	2,400
Fluorene	--	--	--	--	2,400	2,300	2,300
Indeno[1,2,3-cd]pyrene	--	--	--	--	1.1	1.1	1.1
Naphthalene	--	--	--	--	3.8	2	2
Pyrene	--	--	--	--	1,800	1,800	1,800
Pesticides/Herbicides							
2,4-D (2,4-Dichlorophenox	--	--	--	--	700	700	700
2,4,5-TP (2,4,5-Trichlorophenoxypropionic Acid/Silvex)	--	--	--	--	510	510	510
Aldrin	--	--	--	--	0.039	0.039	0.039
Chlordane (technical)	--	--	--	--	1.7	1.7	1.7
Chlordecone (Kepone)	--	--	--	--	0.054	0.054	0.054
DDD	--	--	--	--	1.9	1.9	1.9
DDE	--	--	--	--	2	2	2
DDT	--	--	--	--	1.9	1.9	1.9
Dieldrin	--	--	--	--	0.034	0.034	0.034
Endrin	--	--	--	--	19	19	19
Heptachlor	--	--	--	--	0.13	0.13	0.13
Hexachlorocyclohexane, Ga	--	--	--	--	0.57	0.57	0.57
Methoxychlor	--	--	--	--	320	320	320
Mirex	--	--	--	--	0.036	0.036	0.036
Toxaphene	--	--	--	--	0.49	0.45	0.45
Other							
Cyanide	--	--	--	--	23	--	23
Dioxins (2,3,7,8-TCDD)	--	--	--	--	4.8E-06	0.0000048	0.0000048
PCBs (Aroclors)	--	--	--	--	0.23	0.23	0.23
Total Petroleum Hydrocarbons [e]							
Diesel	--	--	--	--	--	--	260
Gasoline	--	--	--	--	--	--	100
Motor Oil	--	--	--	--	--	--	1,600

Table 1 Cleanup and Screening Levels
Camp Fire Incident, Butte County, California

Notes:

All units in milligrams per kilogram (mg/kg)

-- Not applicable

LMOE Lab margin of error (20%)

a Total Threshold Limit Concentration (TTLC), California Code of Regulations, Title 22, Chapter 11, Article 3

b U.S. Environmental Protection Agency, Risk-Based Screening Levels (RSL), May 2019.

c California Department of Toxic Substances Control (DTSC), Office of Human Health and Ecological Risk (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC-SL). April 2019.

d The risk-based screening level is the lower of the RSL and DTSC-SL values.

e Values for petroleum hydrocarbons from SF Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs). January 2019.

Table 2 Relative Percent Difference Summary

APN	Sample ID	Antimony	Arsenic	Copper	Lead	Zinc
	TC Cleanup Goal	31	2.3	2499	80	4999
017-110-057	BFI-AS-017-110-057-07	--	7.2	--	2500	11000
017-110-057	BFI-AS-017-110-057-07-D	--	6.6	--	4200	9900
	RPD		***9***		***51***	***11***
APN	**Sample ID**	**Antimony**	**Arsenic**	**Copper**	**Lead**	**Zinc**
	Tvp Cleanup	31	7.7	2499	80	4999
017-180-027	BFI-AS-017-180-027-03	--	--	--	350	--
017-180-027	BFI-AS-017-180-027-03-D	--	--	--	160	--
	RPD				***75***	
050-140-060	BFI-AS-050-140-060-03	--	84	--	--	--
050-140-060	BFI-AS-050-140-060-03-D	--	48	--	--	--
	RPD		***55***			
050-240-070	BFI-AS-050-240-070-02	--	6.2	--	170	--
050-240-070	BFI-AS-050-240-070-02-D	--	8.5	--	200	--
	RPD		***31***		***16***	
050-340-031	BFI-AS-050-340-031-05	14	--	--	--	--
050-340-031	BFI-AS-050-340-031-05-D	36	--	--	--	--
	RPD	***88***				
050-340-048	BFI-AS-050-340-048-01	130	110	11000	910	5000
050-340-048	BFI-AS-050-340-048-01-D	12	21	230	330	1600
	RPD	***166***	***136***	***192***	***94***	***103***
051-172-025	BFI-AS-051-172-025-02	--	--	--	120	--
051-172-025	BFI-AS-051-172-025-02-D	--	--	--	81	--
	RPD				***39***	
051-190-069	BFI-AS-051-190-069-03	--	--	6100	97	--
051-190-069	BFI-AS-051-190-069-03-D	--	--	4800	76	--
	RPD			***24***	***24***	
051-300-009	BFI-AS-051-300-009-03	--	--	1200	260	--
051-300-009	BFI-AS-051-300-009-03D	--	--	6700	320	--
	RPD			***139***	***21***	
053-131-086	BFI-AS-053-131-086-02	50	--	5700	--	--
053-131-086	BFI-AS-053-131-086-02-D	2.7	--	50	--	--
	RPD	***180***		***197***		
053-330-119	BFI-AS-053-330-119-03	--	--	2700	--	--
053-330-119	BFI-AS-053-330-119-03-D	--	--	1800	--	--
	RPD			***40***		
054-141-031	BFI-AS-054-141-031-03	--	9.1	5900	420	--
054-141-031	BFI-AS-054-141-031-03-D	--	4.6	540	580	--
	RPD		***66***	***166***	***32***	

Notes:

Metals not shown were not detected above Cleanup Goals in any duplicate samples

RPD	Relative Percent Difference
--	Detected level below Cleanup Goal
	Detected concentration
	Concentration above Cleanup Goal

APPENDIX A

ASH SAMPLING ANALYTICAL RESULTS SUMMARY

APN 017-110-057
2459 HONEY RUN RD

SDG #	1911912		Sample ID		BFI-AS-017-110-057-01		BFI-AS-017-110-057-02		BFI-AS-017-110-057-03		BFI-AS-017-110-057-04		BFI-AS-017-110-057-05		BFI-AS-017-110-057-06		BFI-AS-017-110-057-07		BFI-AS-017-110-057-07-D		BFI-AS-017-110-057-08		BFI-AS-017-110-057-09	
Lab Name	BC Laboratories		Sample Date		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19	
Analytical Group	Analyte	Unit	Tc Unit Cleanup Goal a	Tc Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	25	--	30	--	20	--	48	--	20	--	6	--	21	--	16	--	25	--	17	--
ANION	Fluoride	mg/kg	--	--	0.38 J	--	0.93	--	0.9	--	1.6	--	0.88	--	1.6	--	0.57	--	0.48 J	--	0.5 U	--	1.6	--
ANION	Nitrate as NO3	mg/kg	--	--	21	--	3 J	--	3.1 J	--	1.5 J	--	11	--	30	--	120	--	140	--	31	--	41	--
ANION	Sulfate	mg/kg	--	--	130	--	120	--	88	--	82	--	35	--	35	--	150	--	180	--	470	--	270	--
CYAN	Total Cyanide	mg/kg	--	--	0.54	--	0.5	--	0.31 J	--	1	--	0.46 J	--	0.41 J	--	1.7	--	2.1	--	3	--	1.4	--
METAL	Antimony	mg/kg	31	37	18	N	27	N	8.6	N	51	Y-LMOE	3.3 J	N	1.7 J	N	2.6	N	1.4 J	N	1.5 J	N	11	N
METAL	Arsenic	mg/kg	2.3	2.7	3.4	Y-LMOE	9.5	Y-LMOE	40	Y-LMOE	62	Y-LMOE	51	Y-LMOE	24	Y-LMOE	7.2	Y-LMOE	6.6	Y-LMOE	3.3	Y-LMOE	3.5	Y-LMOE
METAL	Barium	mg/kg	9999	9999	600	N	990	N	1700	N	1500	N	210 J	N	160	N	4800	N	4700	N	260	N	590	N
METAL	Beryllium	mg/kg	15	18	0.23 J	N	1.2 U	N	1.2 U	N	0.25 J	N	0.3 J	N	0.47 J	N	0.38 J	N	0.32 J	N	0.24 J	N	0.31 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	4.2	N	0.62 U	N	2.9	N	25	Y-LMOE	1.8	N	0.66	N	0.84	N	0.62 U	N	2.3	N
METAL	Chromium	mg/kg	2499	2499	36	N	26	N	35	N	320	N	98	N	73	N	81	N	66	N	51	N	61	N
METAL	Cobalt	mg/kg	28	33	13	N	6.7	N	7.8	N	13	N	17	N	13	N	28	N	23	N	13	N	22	N
METAL	Copper	mg/kg	2499	2499	250	N	2500	Y-LMOE	1700	N	2500	Y-LMOE	180 J+	N	520	N	170 J	N	97 J	N	400	N	9000	Y-LMOE
METAL	Lead	mg/kg	80	80	80	Y-LMOE	130	Y-LMOE	320	Y-LMOE	1700	Y-LMOE	98	Y-LMOE	24	N	2500 J	Y-LMOE	4200 J	Y-LMOE	2800	Y-LMOE	500	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N	0.18 J	N	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.79 J	N	2.6	N	0.37 J	N	9.7	N	1.1 J	N	0.87 J	N	0.7 J	N	0.35 J	N	0.57 J	N	0.75 J	N
METAL	Nickel	mg/kg	490	588	29	N	35	N	21	N	36	N	46	N	150	N	62	N	58	N	50	N	84	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.64 J	N	5.9	N	14	N	0.54 J	N	6	N	0.28 J	N	0.44 J	N	0.31 J	N	0.37 J	N	3.7	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	44	N	35	N	34	N	47	N	56 J+	N	70	N	82	N	69	N	64	N	71	N
METAL	Zinc	mg/kg	4999	4999	1400	N	1700	N	1200	N	5200	Y-LMOE	3200	N	4100	N	11000	Y-LMOE	9900	Y-LMOE	840	N	11000	Y-LMOE
METAL6010B	Aluminum	mg/kg	--	--	22000	--	21000	--	22000	--	30000	--	21000	--	21000	--	41000	--	36000	--	30000	--	29000	--
METAL6010B	Calcium	mg/kg	--	--	110000	--	140000	--	110000	--	75000	--	59000	--	69000	--	19000	--	15000	--	21000	--	58000	--
METAL6010B	Iron	mg/kg	--	--	12000	--	7600	--	8000	--	28000	--	27000	--	20000	--	42000	--	36000	--	26000	--	30000	--
METAL6010B	Magnesium	mg/kg	--	--	3700	--	3900	--	2800	--	9500	--	5400	--	4000	--	6800	--	6700	--	6800	--	9700	--
METAL6010B	Potassium	mg/kg	--	--	1500	--	1500	--	1400	--	1300	--	1200	--	1100	--	5200	--	5000	--	7400	--	4900	--
METAL6010B	Sodium	mg/kg	--	--	1300	--	1700	--	1500	--	1500	--	1600	--	1500	--	1900	--	1400	--	1400	--	2400	--
PBDE	PBDE-100	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-138	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-153	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-154	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-17	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-28	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-47	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-49	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-85	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PBDE	PBDE-99	ug/kg	--	--	21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 U	--
PFAS	NEtFOSAA	ng/g	--	--	3.7 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.4 U	--
PFAS	NMeFOSAA	ng/g	--	--	3.7 UJ	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.4 U	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	3.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.8 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	1.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.91 U	--
S-METAL	Lead	mg/L	--	--	0.4 J	--	1.1	--	1.5	--	5.7	--	0.5	--	0.5 U	--	84	--	120	--	1100	--	0.99	--
SULFIDE	Sulfide	mg/Kg	--	--	71 J-	--	71 J-	--	71 J-	--	63 J-	--	56 J-	--	150 J-	--	100 J-	--	94 J-	--	63 J-	--	56 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.0012 J-	--	0.0024 J	--	0.003 UJ	--	0.069 U	--	0.0031 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.0083 J-	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.0019 J-	--	0.0048	--	0.003 UJ	--	0.069 U	--	0.0098 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.0018 J	--	0.003 UJ	--	0.05 J	--	0.003 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.0022 J	--	0.003 UJ	--	0.078	--	0.0016 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.069 U	--	0.0041 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.069 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.069 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.069 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.072	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.069 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.0064	--	0.003 UJ	--	0.092	--	0.008 J-	--	0.003 UJ	--	0.003 UJ	--	0.0014 J	--	0.002 J-	--	0.0039 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.0016 J-	--	0.0038	--	0.003 UJ	--	0.046 J	--	0.0068	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.069 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.044 J-	--	0.13	--	0.0033 J-	--	0.14	--	0.44 J-	--	0.0082 J-	--	0.0099 J-	--	0.023 J	--	0.027 J-	--	0.01 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0043 J-	--	0.016	--	0.003 UJ	--	0.26	--	0.028 J-	--	0.0016 J-	--	0.0019 J-	--	0.0049	--	0.009 J-	--	0.0076 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.0073	--	0.003 UJ	--	0.15	--	0.0059 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.0015 J-	--	0.0033 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	160	--	200	--	120	--	290	--	120	--	110	--	180	--	190	--	280	--	480	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.

b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **017-180-027**
1859 HONEY RUN RD

SDG #	1912611		Sample ID		BFI-AS-017-180-027-01		BFI-AS-017-180-027-02		BFI-AS-017-180-027-03		BFI-AS-017-180-027-03-D	
Lab Name	BC Laboratories		Sample Date		04/18/19		04/18/19		04/18/19		04/18/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	14 J	--	11 J	--	15 J	--	16 J	--
ANION	Fluoride	mg/kg	--	--	2.5 U	--	2.5 U	--	2.5 U	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	36 J	--	13 J	--
ANION	Sulfate	mg/kg	--	--	14000	--	14000	--	15000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.32 J	--	0.42 J	--
METAL	Antimony	mg/kg	31	37	3.9	N	4.4	N	17	N	15	N
METAL	Arsenic	mg/kg	7.7	9.2	2.9	N	3.9	N	3.8	N	3.9	N
METAL	Barium	mg/kg	9999	9999	47	N	75	N	220	N	190	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	0.25 J	N	0.2 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	1.8	N	1.4	N
METAL	Chromium	mg/kg	2499	2499	18	N	13	N	27	N	27	N
METAL	Cobalt	mg/kg	36	43	2.9	N	3.5	N	7.5	N	12	N
METAL	Copper	mg/kg	2499	2499	880	N	1400	N	890	N	670	N
METAL	Lead	mg/kg	80	80	26	N	40	N	350 J	Y-LMOE	160 J	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.49 J	N	0.69 J	N	0.52 J	N	0.63 J	N
METAL	Nickel	mg/kg	490	588	31	N	30	N	110 J	N	41 J	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.39 J	N	0.3 J	N	13 J	N	7.5 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	75	N	69	N	53	N	54	N
METAL	Zinc	mg/kg	4999	4999	270	N	450	N	1600 J	N	760 J	N
METAL6010B	Aluminum	mg/kg	--	--	9500	--	8700	--	16000	--	13000	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	110000	--	90000	--	110000	--
METAL6010B	Iron	mg/kg	--	--	8400	--	9300	--	14000	--	10000	--
METAL6010B	Magnesium	mg/kg	--	--	8300	--	6100	--	6300	--	5800	--
METAL6010B	Potassium	mg/kg	--	--	1500	--	1400	--	1900	--	1400	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	1100	--	1300	--	1100	--
S-METAL	Lead	mg/L	--	--	0.31 J	--	0.5 U	--	1	--	1.4	--
SULFIDE	Sulfide	mg/Kg	--	--	190	--	160	--	250	--	180	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.0013 J-	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.0037 J-	--	0.0032 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0017 J	--	0.003 UJ	--	0.018 J-	--	0.018 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0039	--	0.003 UJ	--	0.014 J-	--	0.011 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.033 J-	--	0.032 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.0064 J-	--	0.0069 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.0095 J-	--	0.011 J-	--
SVOA8270	Chrysene	mg/kg	--	--	0.0025 J	--	0.003 UJ	--	0.023 J-	--	0.022 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.0051 J-	--	0.005 J-	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0058	--	0.0032 J-	--	0.031 J-	--	0.024 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.0032	--	0.003 UJ	--	0.0066 J-	--	0.0073 J-	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0043	--	0.018 J-	--	0.015 J-	--	0.015 J-	--

SVOA8270	Phenanthrene	mg/kg	--	--	0.0063	--	0.0071 J-	--	0.015 J-	--	0.013 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0043	--	0.0023 J-	--	0.023 J-	--	0.02 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2100	--	2500	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-052-031**
1643 WEE DELL RD

SDG #	1911908		Sample ID		BFI-AS-050-052-031-01		BFI-AS-050-052-031-02		BFI-AS-050-052-031-03	
Lab Name	BC Laboratories		Sample Date		04/12/19		04/12/19		04/12/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	120	--	20	--	21	--
ANION	Fluoride	mg/kg	--	--	1.3	--	1.7	--	1.7	--
ANION	Nitrate as NO3	mg/kg	--	--	5.4 J	--	9	--	2.4 J	--
ANION	Sulfate	mg/kg	--	--	14000	--	15000	--	3000	--
CYAN	Total Cyanide	mg/kg	--	--	0.17 J	--	0.5 U	--	0.65	--
METAL	Antimony	mg/kg	31	37	9	N	2.2 J	N	0.54 J	N
METAL	Arsenic	mg/kg	7.7	9.2	2.4 J	N	2.1 J	N	1.7 J	N
METAL	Barium	mg/kg	9999	9999	250	N	170	N	350	N
METAL	Beryllium	mg/kg	15	18	3.9	N	0.51 J	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	2.2	N	9.1	Y-LMOE	6.7	Y-LMOE
METAL	Chromium	mg/kg	2499	2499	19	N	27	N	11	N
METAL	Cobalt	mg/kg	36	43	5.4	N	5.7	N	4.2	N
METAL	Copper	mg/kg	2499	2499	1200	N	6500	Y-LMOE	64	N
METAL	Lead	mg/kg	80	80	1100	Y-LMOE	320	Y-LMOE	95	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	2.5	N	2.7	N	6.1	N
METAL	Nickel	mg/kg	490	588	54	N	28	N	70	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	45	N	1.1 J	N	0.52 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	36	N	24	N	35	N
METAL	Zinc	mg/kg	4999	4999	680	N	5400	Y-LMOE	570	N
METAL6010B	Aluminum	mg/kg	--	--	13000	--	16000	--	8900	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	140000	--	150000	--
METAL6010B	Iron	mg/kg	--	--	8900	--	11000	--	7100	--
METAL6010B	Magnesium	mg/kg	--	--	6600	--	10000	--	5200	--
METAL6010B	Potassium	mg/kg	--	--	1600	--	1700	--	2000	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	1800	--	950	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	21 U	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	21 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	1 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.5 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.5 U	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	3.8 U	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	3.8 U	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	2.5 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	3.2 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	1.3 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	1.1 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	1 U	--
S-METAL	Lead	mg/L	--	--	50	--	0.91	--	0.62	--
SULFIDE	Sulfide	mg/Kg	--	--	250 J-	--	130 J-	--	55 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0019 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0028 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0045 J-	--	0.015 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.0023 J-	--	0.0047 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0016 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	3600	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-081-043**
6961 CLARK RD

SDG #	1911910		Sample ID		BFI-AS-050-081-043-01		BFI-AS-050-081-043-02		BFI-AS-050-081-043-03	
Lab Name	BC Laboratories		Sample Date		04/12/19		04/12/19		04/12/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	7.2	--	37	--	37	--
ANION	Fluoride	mg/kg	--	--	1.1	--	1.7	--	0.8	--
ANION	Nitrate as NO3	mg/kg	--	--	3.1 J	--	220	--	2 J	--
ANION	Sulfate	mg/kg	--	--	60	--	180	--	110	--
CYAN	Total Cyanide	mg/kg	--	--	0.65	--	0.47 J	--	0.43 J	--
METAL	Antimony	mg/kg	31	37	8.3	N	18	N	1.7 J	N
METAL	Arsenic	mg/kg	7.7	9.2	7	N	13	Y-LMOE	5.9	N
METAL	Barium	mg/kg	9999	9999	670	N	1100	N	110	N
METAL	Beryllium	mg/kg	15	18	0.21 J	N	0.47 J	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	1.1	N	100	Y-LMOE	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	59	N	33	N	31	N
METAL	Cobalt	mg/kg	36	43	8	N	11	N	5.6	N
METAL	Copper	mg/kg	2499	2499	8600	Y-LMOE	3200	Y-LMOE	380	N
METAL	Lead	mg/kg	80	80	73	N	1500	Y-LMOE	15	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	8.4	N	4.5	N	20	N
METAL	Nickel	mg/kg	490	588	51	N	93	N	32	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	20	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.1 J	N	1.2	N	1.5	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	69	N	30	N	41	N
METAL	Zinc	mg/kg	4999	4999	5500	Y-LMOE	2400	N	160	N
METAL6010B	Aluminum	mg/kg	--	--	28000	--	25000	--	11000	--
METAL6010B	Calcium	mg/kg	--	--	87000	--	76000	--	130000	--
METAL6010B	Iron	mg/kg	--	--	25000	--	15000	--	17000	--
METAL6010B	Magnesium	mg/kg	--	--	2600	--	3600	--	3700	--
METAL6010B	Potassium	mg/kg	--	--	1400	--	1600	--	1400	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	2500	--	1400	--
PBDE	PBDE-100	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	22 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.9 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.9 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4.3 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4.3 U	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.9 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.6 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.4 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.3 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	58	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	47 J-	--	64 J-	--	63 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0021 J-	--	0.0012 J-	--	0.005 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	110	--	210	--	150	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-140-060**
1572 ADAMS RD

SDG #	1911909		Sample ID		BFI-AS-050-140-060-01		BFI-AS-050-140-060-02		BFI-AS-050-140-060-03		BFI-AS-050-140-060-03-D	
Lab Name	BC Laboratories		Sample Date		04/12/19		04/12/19		04/12/19		04/12/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	5.6	--	4 J	--	7.8	--	11	--
ANION	Fluoride	mg/kg	--	--	0.94	--	0.61	--	0.56 J	--	0.96 J	--
ANION	Nitrate as NO3	mg/kg	--	--	1.5 J	--	6	--	12	--	13	--
ANION	Sulfate	mg/kg	--	--	2200	--	48	--	33 J	--	72 J	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.17 J	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	0.75 J	N	2.1 J	N	5.2 J	N	2 J	N
METAL	Arsenic	mg/kg	7.7	9.2	24	Y-LMOE	120	Y-LMOE	84 J	Y-LMOE	48 J	Y-LMOE
METAL	Barium	mg/kg	9999	9999	550 J	N	230	N	370	N	250	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	0.3 J	N	0.33 J	N	0.72 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	87	N	50	N	52 J	N	100 J	N
METAL	Cobalt	mg/kg	36	43	6.7	N	7.9	N	12 J	N	21 J	N
METAL	Copper	mg/kg	2499	2499	33 J+	N	340	N	170	N	120	N
METAL	Lead	mg/kg	80	80	14	N	46	N	28 J	N	11 J	N
METAL	Mercury	mg/kg	1	1.2	0.15 J	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	3.5	N	1 J	N	0.65 J	N	0.49 J	N
METAL	Nickel	mg/kg	490	588	190 J-	N	84	N	45	N	47	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	0.34 J	N	0.57 J	N	0.63 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	200	N	72	N	79	N	110	N
METAL	Zinc	mg/kg	4999	4999	500	N	320	N	1200 J	N	290 J	N
METAL6010B	Aluminum	mg/kg	--	--	7700	--	16000	--	24000	--	22000	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	95000	--	75000	--	97000	--
METAL6010B	Iron	mg/kg	--	--	11000	--	16000	--	22000	--	17000	--
METAL6010B	Magnesium	mg/kg	--	--	8200	--	6700	--	7000	--	4300	--
METAL6010B	Potassium	mg/kg	--	--	1500 J+	--	1700	--	1300	--	810	--
METAL6010B	Sodium	mg/kg	--	--	1600 J+	--	1600	--	1200	--	1200	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.8 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.8 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	4.2 U	--	--	--

PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	4.2 U	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	2.8 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	3.5 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	1.4 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	1.2	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	1.3 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.43 J	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	100 J-	--	80 J-	--	48 J-	--	55 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0026 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0081 J-	--	0.003 UJ	--	0.0028 J-	--	0.0013 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0057 J-	--	0.003 UJ	--	0.0012 J-	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.002 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	170	--	95	--	87	--	99	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-220-008**
6561 WHEELER RD

SDG #	1912490		Sample ID		BFI-AS-050-220-008-01		BFI-AS-050-220-008-02		BFI-AS-050-220-008-03	
Lab Name	BC Laboratories		Sample Date		04/17/19		04/17/19		04/17/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	54	--	19 J	--	50	--
ANION	Fluoride	mg/kg	--	--	2 J	--	8.6	--	3	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	13000	--	14000	--	12000	--
CYAN	Total Cyanide	mg/kg	--	--	0.27 J	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	23	N	12	N	100	Y-LMOE
METAL	Arsenic	mg/kg	7.7	9.2	9	Y-CG	4.4	N	94	Y-LMOE
METAL	Barium	mg/kg	9999	9999	260	N	190	N	310	N
METAL	Beryllium	mg/kg	15	18	0.25 J	N	0.22 J	N	0.3 J	N
METAL	Cadmium	mg/kg	5.2	6.2	1.7	N	0.64	N	3.1 U	N
METAL	Chromium	mg/kg	2499	2499	91	N	33	N	80	N
METAL	Cobalt	mg/kg	36	43	6.9	N	5.6	N	5.4	N
METAL	Copper	mg/kg	2499	2499	2600	Y-LMOE	200	N	720	N
METAL	Lead	mg/kg	80	80	220	Y-LMOE	170	Y-LMOE	140	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1 J	N	0.88 J	N	1.2	N
METAL	Nickel	mg/kg	490	588	55	N	43	N	60	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	6.7	N	1.2 U	N	9.2	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	27	N	21	N	42	N
METAL	Zinc	mg/kg	4999	4999	870	N	970	N	1500	N
METAL6010B	Aluminum	mg/kg	--	--	11000	--	5400	--	5000	--
METAL6010B	Calcium	mg/kg	--	--	100000	--	130000	--	160000	--
METAL6010B	Iron	mg/kg	--	--	8900	--	4600	--	6400	--
METAL6010B	Magnesium	mg/kg	--	--	3400	--	3100	--	2400	--
METAL6010B	Potassium	mg/kg	--	--	1100	--	1200	--	1200	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	2900	--	780	--
PBDE	PBDE-100	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	22 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	2.5 U	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	2.5 U	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	3.7 U	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	3.7 U	--	--	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	2.5 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	3.1 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	1.2 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	0.99 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.96	--	0.45 J	--	0.22 J	--
SULFIDE	Sulfide	mg/Kg	--	--	71 J-	--	110 J-	--	96 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 U	--	0.0028 J	--	0.0035 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 U	--	0.003	--	0.0034 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0036	--	0.0044	--	0.0044 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 U	--	0.0028 J	--	0.003 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0015 J	--	0.0097	--	0.011 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 U	--	0.0035	--	0.0035 J-	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.0016 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0014 J	--	0.011	--	0.016 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 U	--	0.0085	--	0.0096 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2300	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-240-070**
1833 STARK LN

SDG #	1912036		Sample ID		BFI-AS-050-240-070-01		BFI-AS-050-240-070-02		BFI-AS-050-240-070-02-D		BFI-AS-050-240-070-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	10 J	--	15 J	--	16 J	--	47	--
ANION	Fluoride	mg/kg	--	--	2.2 J	--	2.3 J	--	2.4 J	--	3	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	15000	--	14000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.44 J	--
METAL	Antimony	mg/kg	31	37	1.9 J	N	2.2 J	N	3	N	200	Y-LMOE
METAL	Arsenic	mg/kg	7.7	9.2	5.2	N	6.2	N	8.5	Y-CG	5.2 J	N
METAL	Barium	mg/kg	9999	9999	77	N	54	N	59	N	160	N
METAL	Beryllium	mg/kg	15	18	0.24 J	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.62 U	N	0.62 UJ	N
METAL	Chromium	mg/kg	2499	2499	68	N	54	N	89	N	33 J+	N
METAL	Cobalt	mg/kg	36	43	8.2	N	6.4	N	7.9	N	6.1	N
METAL	Copper	mg/kg	2499	2499	180	N	360	N	440	N	660	N
METAL	Lead	mg/kg	80	80	33	N	170	Y-LMOE	200	Y-LMOE	12	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.12 J	N
METAL	Molybdenum	mg/kg	390	468	21	N	24	N	31	N	34	N
METAL	Nickel	mg/kg	490	588	61	N	95	N	77	N	32 J+	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	1.2 U	N	0.72 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	45	N	26	N	25	N	29	N
METAL	Zinc	mg/kg	4999	4999	230	N	260	N	390	N	420 J	N
METAL6010B	Aluminum	mg/kg	--	--	11000	--	7500	--	6700	--	5700	--
METAL6010B	Calcium	mg/kg	--	--	110000	--	130000	--	130000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	17000	--	14000	--	16000	--	13000	--
METAL6010B	Magnesium	mg/kg	--	--	10000	--	13000	--	11000	--	11000	--
METAL6010B	Potassium	mg/kg	--	--	1400	--	1300	--	1400	--	1000 J+	--
METAL6010B	Sodium	mg/kg	--	--	660	--	700	--	700	--	800 J+	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.57	--	0.71	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	150 J-	--	120 J-	--	71 J-	--	160 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0036 J-	--	0.0035 J-	--	0.0035 J-	--	0.0036 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 J-	--	0.003 UJ	--	0.0035 J-	--	0.0039 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0016 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--

SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0013 J-	--	0.0061 J-	--	0.0039 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0016 J-	--	0.0026 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2500	--	2500	--	2600	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-330-044**
6467 LONE CEDAR LN

SDG #	1912059		Sample ID		BFI-AS-050-330-044-01		BFI-AS-050-330-044-02		BFI-AS-050-330-044-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	25	--	59	--	75	--
ANION	Fluoride	mg/kg	--	--	0.61	--	8.2	--	2	--
ANION	Nitrate as NO3	mg/kg	--	--	5.2	--	9	--	19	--
ANION	Sulfate	mg/kg	--	--	66	--	52	--	69	--
CYAN	Total Cyanide	mg/kg	--	--	0.97	--	0.81	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	9.8	N	19	N	31	N
METAL	Arsenic	mg/kg	7.7	9.2	180	Y-LMOE	1.6 J	N	4.6	N
METAL	Barium	mg/kg	9999	9999	1500	N	220	N	200	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	4.9	N	0.26 J	N
METAL	Chromium	mg/kg	2499	2499	180	N	11	N	50	N
METAL	Cobalt	mg/kg	36	43	4	N	15	N	3.3	N
METAL	Copper	mg/kg	2499	2499	170	N	860	N	110	N
METAL	Lead	mg/kg	80	80	14	N	37	N	43	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.34 J	N	0.81 J	N	0.4 J	N
METAL	Nickel	mg/kg	490	588	21	N	22	N	21	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	2.2	N	1.7	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	34	N	4.7	N	58	N
METAL	Zinc	mg/kg	4999	4999	1400	N	3800	N	740	N
METAL6010B	Aluminum	mg/kg	--	--	27000	--	16000	--	37000	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	36000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	15000	--	4300	--	16000	--
METAL6010B	Magnesium	mg/kg	--	--	3100	--	2000	--	13000	--
METAL6010B	Potassium	mg/kg	--	--	1000	--	360 J	--	900	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	1100	--	1200	--
PBDE	PBDE-100	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	22 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	22 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.45 J	--	0.47 J	--
SULFIDE	Sulfide	mg/Kg	--	--	48 J-	--	56 J-	--	72 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0035 J-	--	0.004 J-	--	0.003 UJ	--

SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0029 J-	--	0.0073 J-	--	0.0042 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.004 J-	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.004 J-	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.008 J-	--	0.0033 J-	--	0.0042 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.007 J-	--	0.0026 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.0033 J-	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	380	--	160	--	260	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-340-031**
6454 MOSS LN

SDG #	1911911		Sample ID		BFI-AS-050-340-031-01		BFI-AS-050-340-031-02		BFI-AS-050-340-031-03		BFI-AS-050-340-031-04		BFI-AS-050-340-031-05		BFI-AS-050-340-031-05-D		BFI-AS-050-340-031-06	
Lab Name	BC Laboratories		Sample Date		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19		04/12/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	98	--	29	--	10	--	44	--	9.7 J	--	9.7 J	--	490	--
ANION	Fluoride	mg/kg	--	--	1.2	--	1.6	--	0.8 J	--	3.6	--	5.5	--	4.8	--	2.5	--
ANION	Nitrate as NO3	mg/kg	--	--	8.8 U	--	8.8 U	--	8.8 U	--	8.8 U	--	8.8 U	--	8.8 U	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	15000	--	8400	--	14000	--	14000	--	14000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.58	--	0.5 U	--	0.5 U	--	0.5 U	--	0.33 J	--	0.5 U	--	0.28 J	--
METAL	Antimony	mg/kg	31	37	2.2 J	N	7.9	N	4.1	N	2 J	N	14 J	N	36 J	Y-CG	8	N
METAL	Arsenic	mg/kg	7.7	9.2	1.5 J	N	2.5	N	1.7 J	N	3.4	N	5.4	N	4.2	N	2.5	N
METAL	Barium	mg/kg	9999	9999	300	N	290	N	120	N	190	N	220 J	N	640 J	N	110	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	0.3 J	N	0.72 J	N	0.91 J	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	6.3	Y-LMOE	3	N	1.9	N	18	Y-LMOE	0.62 U	N	0.28 J	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	48	N	49	N	93	N	10	N	22	N	16	N	130	N
METAL	Cobalt	mg/kg	36	43	4	N	5.3	N	4.2	N	2.7	N	8.2	N	11	N	4.1	N
METAL	Copper	mg/kg	2499	2499	90	N	200	N	120	N	880	N	160 J	N	370 J	N	570	N
METAL	Lead	mg/kg	80	80	39	N	51	N	31	N	57	N	62	N	47	N	400	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.26	N	0.25 U	N	0.25 U	N	0.1 J	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1.5	N	1.3	N	1.2	N	0.64 J	N	0.48 J	N	0.58 J	N	28	N
METAL	Nickel	mg/kg	490	588	63	N	270	N	120	N	19	N	23	N	24	N	18	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	0.35 J	N	0.76 J	N	0.46 J	N	0.27 J	N	0.36 J	N	0.26 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	47	N	55	N	110	N	18	N	33	N	29	N	21	N
METAL	Zinc	mg/kg	4999	4999	1900	N	3300	N	290	N	680	N	2100 J	N	940 J	N	440	N
METAL6010B	Aluminum	mg/kg	--	--	7700	--	5600	--	4300	--	13000	--	19000	--	20000	--	8300	--
METAL6010B	Calcium	mg/kg	--	--	110000	--	130000	--	120000	--	150000	--	140000	--	150000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	5300	--	11000	--	8200	--	4800	--	9400	--	11000	--	5900	--
METAL6010B	Magnesium	mg/kg	--	--	15000	--	12000	--	18000	--	8200	--	12000	--	17000	--	2800	--
METAL6010B	Potassium	mg/kg	--	--	870	--	870	--	890	--	1200	--	2100	--	3000	--	470 J	--
METAL6010B	Sodium	mg/kg	--	--	1200	--	580	--	520	--	1600	--	2100	--	3000	--	670	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	2.5 U	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	2.5 U	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	--	--	--	--	3.7 U	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	--	--	--	--	3.7 UJ	--	--	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	2.5 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	3.1 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	--	--	--	--	0.99 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.22 J	--	0.5 U	--	0.5 U	--	0.19 J	--	0.19 J	--	0.72	--
SULFIDE	Sulfide	mg/kg	--	--	71 J-	--	87 J-	--	95 J-	--	87 J-	--	180 J-	--	220 J-	--	330 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--

SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0023 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.002 J-	--	0.0018 J-	--	0.0025 J-	--	0.003 UJ	--	0.0018 J-	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0011 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.002 J-	--	0.006 J-	--	0.0012 J-	--	0.014 J-	--	0.018 J-	--	0.0012 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.0021 J-	--	0.0032 J-	--	0.0016 J-	--	0.003 UJ	--	0.0021 J-	--	0.0014 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.0019 J-	--	0.003 UJ	--	0.0019 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2700	--	2700	--	2500	--	2400	--	2400	--	2600	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
-- Not applicable
APN Assessor's parcel number
CHHSL California Human Health Screening Levels
DTSC California Department of Toxic Substances Control
EPA U.S. Environmental Protection Agency
HERO Office of Human Health and Ecological Risk
J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE Lab margin of error
mg/kg Milligrams per kilogram
mg/L Milligrams per liter
RSL Risk-Based Screening Levels
SDG Sample delivery group
TTLC Total Threshold Limit Concentration
U The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-340-048**
6426 APOLLO LN

SDG #	1912067		Sample ID		BFI-AS-050-340-048-01		BFI-AS-050-340-048-01-D		BFI-AS-050-340-048-02		BFI-AS-050-340-048-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	27	--	24 J	--	39	--	92	--
ANION	Fluoride	mg/kg	--	--	2.2 J	--	2 J	--	1 J	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	15000	--	15000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	130 J	Y-LMOE	12 J	N	1.2 J	N	1.9 J	N
METAL	Arsenic	mg/kg	7.7	9.2	110 J	Y-LMOE	21 J	Y-LMOE	2.7 J	N	2.3 J	N
METAL	Barium	mg/kg	9999	9999	170	N	210	N	140	N	200	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	1	N	0.53 J	N	0.35 J	N	3.8	N
METAL	Chromium	mg/kg	2499	2499	15	N	18	N	18 J+	N	16	N
METAL	Cobalt	mg/kg	36	43	4.7	N	4.5	N	4.5	N	4.3	N
METAL	Copper	mg/kg	2499	2499	11000 J	Y-LMOE	230 J	N	250	N	360	N
METAL	Lead	mg/kg	80	80	910 J	Y-LMOE	330 J	Y-LMOE	25	N	71	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.12 J	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	16	N	9.7	N	21	N	7.9	N
METAL	Nickel	mg/kg	490	588	25 J	N	100 J	N	17 J	N	20	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.7	N	1.8	N	1.2 U	N	0.51 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	11	N	11	N	20	N	12	N
METAL	Zinc	mg/kg	4999	4999	5000 J	Y-LMOE	1600 J	N	410	N	560	N
METAL6010B	Aluminum	mg/kg	--	--	6200	--	6100	--	8100	--	6500	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	120000	--	120000	--	130000	--
METAL6010B	Iron	mg/kg	--	--	7600 J	--	14000 J	--	15000	--	7800	--
METAL6010B	Magnesium	mg/kg	--	--	5800	--	5700	--	15000	--	6600	--
METAL6010B	Potassium	mg/kg	--	--	1300	--	1200	--	1700	--	1200	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	920	--	1100	--	560	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	2.5 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	2.5 U	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	--	--	3.7 U	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	--	--	3.7 UJ	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	--	--	2.5 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	--	--	3.1 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.2 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.1 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
S-METAL	Lead	mg/L	--	--	1.8 J	--	3.7 J	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	110 J-	--	180 J-	--	96 J-	--	120 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.0012 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0026 J	--	0.0024 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0059 J-	--	0.0077 J-	--	0.013	--	0.015 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.0014 J-	--	0.003	--	0.0036 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0019 J	--	0.0017 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2700	--	2600	--	2600	--	2600	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **050-350-026**
1409 ANDREA LN

SDG #	1912058		Sample ID		BFI-AS-050-350-026-01		BFI-AS-050-350-026-02		BFI-AS-050-350-026-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	78	--	44	--	76	--
ANION	Fluoride	mg/kg	--	--	6.8	--	0.87	--	1.5	--
ANION	Nitrate as NO3	mg/kg	--	--	5.5	--	2.8 J	--	4.2 J	--
ANION	Sulfate	mg/kg	--	--	150	--	450	--	160	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	1	--	1	--
METAL	Antimony	mg/kg	31	37	61	Y-LMOE	34	Y-CG	53	Y-LMOE
METAL	Arsenic	mg/kg	7.7	9.2	4.5	N	3.5	N	9.7	Y-LMOE
METAL	Barium	mg/kg	9999	9999	1400	N	960	N	3800	N
METAL	Beryllium	mg/kg	15	18	0.91 J	N	6.2 U	N	31 U	N
METAL	Cadmium	mg/kg	5.2	6.2	88	Y-LMOE	5.3	Y-CG	16 U	N
METAL	Chromium	mg/kg	2499	2499	47	N	47	N	96	N
METAL	Cobalt	mg/kg	36	43	54	Y-LMOE	11	N	14	N
METAL	Copper	mg/kg	2499	2499	2300	N	1400	N	48000	Y-LMOE
METAL	Lead	mg/kg	80	80	240	Y-LMOE	840	Y-LMOE	3700	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	3.6	N	1.8	N	2.6	N
METAL	Nickel	mg/kg	490	588	190	N	37	N	83	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	6.2	N	68	N	80	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	26	N	27	N	84	N
METAL	Zinc	mg/kg	4999	4999	2800	N	38000	Y-LMOE	19000	Y-LMOE
METAL6010B	Aluminum	mg/kg	--	--	45000	--	34000	--	120000	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	110000	--	32000	--
METAL6010B	Iron	mg/kg	--	--	7100	--	19000	--	28000	--
METAL6010B	Magnesium	mg/kg	--	--	7200	--	3600	--	3000	--
METAL6010B	Potassium	mg/kg	--	--	1600	--	1200	--	2500 J	--
METAL6010B	Sodium	mg/kg	--	--	2200	--	3100	--	10000 U	--
PBDE	PBDE-100	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	23 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	23 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	1 UJ	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	2.6 UJ	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	2.6 U	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	3.9 UJ	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	3.9 UJ	--	--	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	2.6 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	3.2 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	1.3 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	1.2 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	1 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	1 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	2.7	--	16	--	190	--
SULFIDE	Sulfide	mg/Kg	--	--	64 J-	--	71 J-	--	56 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.007 J-	--	0.0024 J-	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.015 J-	--	0.0036 J-	--	0.0019 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.011 J-	--	0.0055 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0089 J-	--	0.0073 J-	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0057 UJ	--	0.0055 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.01 J-	--	0.011 J-	--	0.0032 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.0057 UJ	--	0.0055 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.0057 UJ	--	0.0055 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0032 J-	--	0.0024 J-	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.0057 UJ	--	0.0055 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.019 J-	--	0.0097 J-	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.018 J-	--	0.0036 J-	--	0.0023 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.0057 UJ	--	0.0055 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.26 J-	--	0.039 J-	--	0.027 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.084 J-	--	0.019 J-	--	0.0036 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.018 J-	--	0.0091 J-	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	220	--	290	--	300	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **051-172-025**
6236 OAK WAY

SDG #	1912066		Sample ID		BFI-AS-051-172-025-01		BFI-AS-051-172-025-02		BFI-AS-051-172-025-02-D		BFI-AS-051-172-025-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	50 U	--	94	--	91	--	170	--
ANION	Fluoride	mg/kg	--	--	5.6	--	2 J	--	2.4 J	--	1.3 J	--
ANION	Nitrate as NO3	mg/kg	--	--	44 U	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	12000	--	14000	--	14000	--	13000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	1.3 J	N	10	N	10	N	9.8	N
METAL	Arsenic	mg/kg	7.7	9.2	3.8	N	7 J	N	3.5 J	N	2.7	N
METAL	Barium	mg/kg	9999	9999	43	N	220	N	210	N	250	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.3 J	N	0.4 J	N	0.53 J	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	7.1	N	17	N	13	N	38	N
METAL	Cobalt	mg/kg	36	43	2.3	N	3	N	2.4	N	2.5	N
METAL	Copper	mg/kg	2499	2499	17	N	350 J	N	160 J	N	32	N
METAL	Lead	mg/kg	80	80	17	N	120	Y-LMOE	81	Y-LMOE	42	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.58 J	N	0.75 J	N	0.58 J	N	0.91 J	N
METAL	Nickel	mg/kg	490	588	24	N	25	N	20	N	22	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	0.37 J	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	64	N	45	N	38	N	55	N
METAL	Zinc	mg/kg	4999	4999	140	N	2900 J	N	240 J	N	280	N
METAL6010B	Aluminum	mg/kg	--	--	6100	--	12000	--	9900	--	13000	--
METAL6010B	Calcium	mg/kg	--	--	180000	--	160000	--	160000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	6300	--	8200	--	5900	--	8400	--
METAL6010B	Magnesium	mg/kg	--	--	5100	--	6700	--	6200	--	4000	--
METAL6010B	Potassium	mg/kg	--	--	1800	--	1800	--	1600	--	930	--
METAL6010B	Sodium	mg/kg	--	--	690	--	2500	--	2200	--	700	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	--	--	20 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	2.5 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	2.5 U	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	--	--	3.8 UJ	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	--	--	3.8 UJ	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	--	--	2.5 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	--	--	3.1 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.3 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.1 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	--	--	1 U	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.16 J	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	200 J-	--	210 J-	--	320 J-	--	130 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.0035	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0048	--	0.003 UJ	--	0.0017 J-	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.004	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0057	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.0014 J	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0085	--	0.0014 J-	--	0.0035 J-	--	0.0011 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.0033	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.024	--	0.0044 J-	--	0.0072 J-	--	0.0051 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.0016 J	--	0.003 UJ	--	0.003 UJ	--	0.0011 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.0033	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0048	--	0.0043 J-	--	0.003 J-	--	0.01 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.025	--	0.0056 J-	--	0.006 J-	--	0.0086 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.024	--	0.0035 J-	--	0.0051 J-	--	0.004 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	3700	--	2400	--	2500	--	2600	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **051-172-061**
1201 BILLE RD

SDG #	1912057		Sample ID		BFI-AS-051-172-061-01		BFI-AS-051-172-061-02		BFI-AS-051-172-061-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	17 J	--	13 J	--	15 J	--
ANION	Fluoride	mg/kg	--	--	2.3 J	--	4.3	--	2.4 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	15000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.31 J	--	0.5 U	--	0.19 J	--
METAL	Antimony	mg/kg	31	37	1.5 J	N	7.3	N	5.6	N
METAL	Arsenic	mg/kg	7.7	9.2	2.9	N	4.7	N	2.5 U	N
METAL	Barium	mg/kg	9999	9999	55	N	92	N	90	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.51 J	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	4.5	N	8.7	N	31	N
METAL	Cobalt	mg/kg	36	43	2.2	N	4.3	N	7.4	N
METAL	Copper	mg/kg	2499	2499	71	N	630	N	250	N
METAL	Lead	mg/kg	80	80	11	N	13	N	14	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.76 J	N	0.72 J	N	0.82 J	N
METAL	Nickel	mg/kg	490	588	25	N	27	N	47	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	0.78 J	N	0.41 J	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	55	N	42	N	63	N
METAL	Zinc	mg/kg	4999	4999	220	N	780	N	150	N
METAL6010B	Aluminum	mg/kg	--	--	6400	--	9500	--	20000	--
METAL6010B	Calcium	mg/kg	--	--	220000	--	170000	--	120000	--
METAL6010B	Iron	mg/kg	--	--	5800	--	8200	--	22000	--
METAL6010B	Magnesium	mg/kg	--	--	5700	--	5000	--	4800	--
METAL6010B	Potassium	mg/kg	--	--	1200	--	1200	--	1000	--
METAL6010B	Sodium	mg/kg	--	--	720	--	910	--	580	--
PBDE	PBDE-100	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	24 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	2.1 U	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	2.1 U	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	3.2 UJ	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	3.2 UJ	--	--	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	2.1 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	2.7 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	3.6	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	0.96 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	0.85 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	110 J-	--	210 J-	--	220 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.0013 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.0016 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0039 J-	--	0.0038 J-	--	0.0035 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0081 J-	--	0.0044 J-	--	0.0029 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0029 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0065 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.0023 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.021 J-	--	0.0035 J-	--	0.0039 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.015 J-	--	0.0016 J-	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.0059 J-	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2400	--	2300	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **051-173-052**
1281 FAWNBROOK PL

SDG #	1912060		Sample ID		BFI-AS-051-173-052-01		BFI-AS-051-173-052-02		BFI-AS-051-173-052-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	8.4 J	--	10 J	--	6.3 J	--
ANION	Fluoride	mg/kg	--	--	2.5 U	--	2.5 U	--	1.1	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	7 J	--
ANION	Sulfate	mg/kg	--	--	14000	--	14000	--	12000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.22 J	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	5.1	N	6.8	N	3.3	N
METAL	Arsenic	mg/kg	7.7	9.2	22	Y-LMOE	2.3 J	N	8	Y-CG
METAL	Barium	mg/kg	9999	9999	84	N	61	N	140	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	15	N	7.2	N	12	N
METAL	Cobalt	mg/kg	36	43	3	N	83	Y-LMOE	3.3	N
METAL	Copper	mg/kg	2499	2499	1200	N	4400	Y-LMOE	77	N
METAL	Lead	mg/kg	80	80	46	N	190	Y-LMOE	17	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	6.7	N	1.3	N	3.5	N
METAL	Nickel	mg/kg	490	588	31	N	47	N	22	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.6	N	3.3	N	0.35 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	30	N	9.1	N	28	N
METAL	Zinc	mg/kg	4999	4999	620	N	930	N	1400	N
METAL6010B	Aluminum	mg/kg	--	--	10000	--	21000	--	16000	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	240000	--	110000	--
METAL6010B	Iron	mg/kg	--	--	9000	--	1900	--	13000	--
METAL6010B	Magnesium	mg/kg	--	--	3300	--	3200	--	3700	--
METAL6010B	Potassium	mg/kg	--	--	1100	--	400 J	--	1300	--
METAL6010B	Sodium	mg/kg	--	--	910	--	360 J	--	2000	--
PBDE	PBDE-100	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	20 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	20 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4 UJ	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.4 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.3 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.72	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	160 J-	--	79 J-	--	180 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0037 J-	--	0.0038 J-	--	0.0035 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0032 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0027 J-	--	0.0022 J-	--	0.0016 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2600	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **051-190-069**
212 VALLEY VIEW DR

SDG #	1912068		Sample ID		BFI-AS-051-190-069-01		BFI-AS-051-190-069-02		BFI-AS-051-190-069-03		BFI-AS-051-190-069-03-D	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	49	--	110	--	44	--	28	--
ANION	Fluoride	mg/kg	--	--	1.4 J	--	2.2 J	--	1.5 J	--	1.4 J	--
ANION	Nitrate as NO3	mg/kg	--	--	9.3 J	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	16000	--	14000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.43 J	--	0.5 U	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	13	N	6.1	N	8.1	N	6.9	N
METAL	Arsenic	mg/kg	7.7	9.2	8.8	Y-CG	7.7	N	4.7	N	3.8	N
METAL	Barium	mg/kg	9999	9999	160	N	230	N	150	N	150	N
METAL	Beryllium	mg/kg	15	18	12 U	N	0.4 J	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	160	Y-LMOE	4	N	1.4 J	N	0.65 J	N
METAL	Chromium	mg/kg	2499	2499	38	N	24	N	29	N	25	N
METAL	Cobalt	mg/kg	36	43	15	N	4.4	N	5.2	N	4.3	N
METAL	Copper	mg/kg	2499	2499	1400	N	1000	N	6100	Y-LMOE	4800	Y-LMOE
METAL	Lead	mg/kg	80	80	3400	Y-LMOE	200	Y-LMOE	97	Y-LMOE	76	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1.8	N	0.97 J	N	0.86 J	N	0.79 J	N
METAL	Nickel	mg/kg	490	588	150	N	40	N	28	N	17	N
METAL	Selenium	mg/kg	99	99	16	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.37 J	N	1.2	N	3.8 J	N	2 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	11	N	26	N	19	N	21	N
METAL	Zinc	mg/kg	4999	4999	3800	N	5000	Y-LMOE	3300	N	3100	N
METAL6010B	Aluminum	mg/kg	--	--	18000	--	14000	--	16000	--	23000	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	130000	--	150000	--	150000	--
METAL6010B	Iron	mg/kg	--	--	13000	--	11000	--	66000 J	--	16000 J	--
METAL6010B	Magnesium	mg/kg	--	--	12000	--	9000	--	2600	--	3300	--
METAL6010B	Potassium	mg/kg	--	--	610 J+	--	1300	--	1200	--	820	--
METAL6010B	Sodium	mg/kg	--	--	380 J+	--	2100	--	5600 J	--	1400 J	--
S-METAL	Lead	mg/L	--	--	14	--	0.63	--	0.5 U	--	0.96	--
SULFIDE	Sulfide	mg/Kg	--	--	170 J-	--	140 J-	--	220 J-	--	350 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.018 J-	--	0.0033 J-	--	0.003 UJ	--	0.0015 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.021 J-	--	0.0024 J-	--	0.003 UJ	--	0.0012 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.011 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0054 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0085 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.02 J-	--	0.0037 J-	--	0.0015 J-	--	0.0026 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.028 J-	--	0.0035 J-	--	0.003 UJ	--	0.0017 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.31 J-	--	0.046 J-	--	0.047 J-	--	0.064 J-	--

SVOA8270	Phenanthrene	mg/kg	--	--	0.11 J-	--	0.013 J-	--	0.0046 J-	--	0.0096 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.021 J-	--	0.0019 J-	--	0.003 UJ	--	0.0017 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	3100	--	2600	--	2400	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **051-300-009**
271 REDBUD DR

SDG #	1912284		Sample ID		BFI-AS-051-300-009-01		BFI-AS-051-300-009-02		BFI-AS-051-300-009-03		BFI-AS-051-300-009-03-D	
Lab Name	BC Laboratories		Sample Date		04/16/19		04/16/19		04/16/19		04/16/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	23 J	--	56	--	40	--	24 J	--
ANION	Fluoride	mg/kg	--	--	2.5 U	--	1.6 J	--	2.5	--	2.3 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	14000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.3 J	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	3.8	N	5.9	N	21	N	23	N
METAL	Arsenic	mg/kg	7.7	9.2	6.6	N	4.8	N	4.3	N	4.4	N
METAL	Barium	mg/kg	9999	9999	72	N	200	N	220	N	150	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	0.37 J	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	1.6	N	0.62 U	N	0.47 J	N	3.8 J	N
METAL	Chromium	mg/kg	2499	2499	7	N	13	N	7.9	N	11	N
METAL	Cobalt	mg/kg	36	43	1.8	N	1.9	N	5.3	N	3.6	N
METAL	Copper	mg/kg	2499	2499	480	N	1400	N	1200 J	N	6700 J	Y-LMOE
METAL	Lead	mg/kg	80	80	34	N	70	N	260	Y-LMOE	320	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.41 J	N	0.58 J	N	0.56 J	N	0.9 J	N
METAL	Nickel	mg/kg	490	588	17	N	14	N	22	N	24	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.43 J	N	1.2 U	N	1.2 U	N	0.34 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	23	N	26	N	23	N	34	N
METAL	Zinc	mg/kg	4999	4999	500	N	1400	N	620 J	N	3200 J	N
METAL6010B	Aluminum	mg/kg	--	--	5000	--	7000	--	7700	--	5100	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	140000	--	160000	--	150000	--
METAL6010B	Iron	mg/kg	--	--	4100	--	4700	--	5800	--	4600	--
METAL6010B	Magnesium	mg/kg	--	--	2300	--	2900	--	2300	--	2300	--
METAL6010B	Potassium	mg/kg	--	--	1200	--	1100	--	1100	--	1100	--
METAL6010B	Sodium	mg/kg	--	--	800	--	860	--	770 J	--	1500 J	--
PBDE	PBDE-100	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	24 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.9 U	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.9 U	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4.3 U	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4.3 UJ	--	--	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.9 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.6 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.4 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.3 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.24 J	--	0.5 U	--	26 J	--	13 J	--
SULFIDE	Sulfide	mg/Kg	--	--	270 J-	--	250 J-	--	130 J-	--	200 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	2400	--	2300	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **051-330-027**
5850 CRESTMOOR DR

SDG #	1912286		Sample ID		BFI-AS-051-330-027-01		BFI-AS-051-330-027-02		BFI-AS-051-330-027-03	
Lab Name	BC Laboratories		Sample Date		04/16/19		04/16/19		04/16/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	22 J	--	24 J	--	15 J	--
ANION	Fluoride	mg/kg	--	--	2.5 U	--	1.8 J	--	2.6	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	1.1	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	17	N	9.9	N	9.8	N
METAL	Arsenic	mg/kg	7.7	9.2	2.8	N	3.7	N	9.4	Y-LMOE
METAL	Barium	mg/kg	9999	9999	250	N	120	N	100	N
METAL	Beryllium	mg/kg	15	18	0.24 J	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.31 J	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	9.5	N	13	N	21	N
METAL	Cobalt	mg/kg	36	43	2.7	N	2.8	N	3	N
METAL	Copper	mg/kg	2499	2499	390	N	360	N	460	N
METAL	Lead	mg/kg	80	80	34	N	39	N	14	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	3	N	1.3	N	2.8	N
METAL	Nickel	mg/kg	490	588	13	N	14	N	20	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	2.3	N	14	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	22	N	12	N	15	N
METAL	Zinc	mg/kg	4999	4999	270	N	380	N	560	N
METAL6010B	Aluminum	mg/kg	--	--	7800	--	14000	--	8100	--
METAL6010B	Calcium	mg/kg	--	--	120000	--	20000	--	150000	--
METAL6010B	Iron	mg/kg	--	--	8000	--	30000	--	9900	--
METAL6010B	Magnesium	mg/kg	--	--	3400	--	4800	--	7200	--
METAL6010B	Potassium	mg/kg	--	--	1900	--	1100	--	1500	--
METAL6010B	Sodium	mg/kg	--	--	1700	--	690	--	1200	--
PBDE	PBDE-100	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	23 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	23 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.6 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.6 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	3.8 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	3.8 U	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.6 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.2 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.3 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	95 J-	--	300 J-	--	250 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0037 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0027 J-	--	0.003 UJ	--	0.0011 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0014 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2300	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
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J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **052-110-056**
6441 BEECHWOOD DR

SDG #	1912285		Sample ID		BFI-AS-052-110-056-01		BFI-AS-052-110-056-02		BFI-AS-052-110-056-03	
Lab Name	BC Laboratories		Sample Date		04/16/19		04/16/19		04/16/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	20 J	--	15 J	--	18 J	--
ANION	Fluoride	mg/kg	--	--	1.6 J	--	1.4 J	--	2 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.3 J	--
METAL	Antimony	mg/kg	31	37	5.3	N	0.98 J	N	6.2	N
METAL	Arsenic	mg/kg	7.7	9.2	4	N	7.1	N	7.9	Y-CG
METAL	Barium	mg/kg	9999	9999	380	N	160	N	250	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.68	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	100	N	50	N	82	N
METAL	Cobalt	mg/kg	36	43	9.4	N	9.9	N	6.4	N
METAL	Copper	mg/kg	2499	2499	850	N	780	N	3200	Y-LMOE
METAL	Lead	mg/kg	80	80	410	Y-LMOE	21	N	110	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.66 J	N	0.56 J	N	0.48 J	N
METAL	Nickel	mg/kg	490	588	30	N	27	N	74	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.42 J	N	1.2 U	N	0.34 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	28	N	32	N	18	N
METAL	Zinc	mg/kg	4999	4999	860	N	1500	N	1200	N
METAL6010B	Aluminum	mg/kg	--	--	10000	--	6100	--	110000	--
METAL6010B	Calcium	mg/kg	--	--	100000	--	110000	--	110000	--
METAL6010B	Iron	mg/kg	--	--	11000	--	64000	--	6900	--
METAL6010B	Magnesium	mg/kg	--	--	9100	--	5000	--	8700	--
METAL6010B	Potassium	mg/kg	--	--	3200	--	2000	--	2700	--
METAL6010B	Sodium	mg/kg	--	--	3200	--	2200	--	1900	--
PBDE	PBDE-100	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	22 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	3 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	3 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4.4 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4.4 U	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	3 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.7 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.5 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.3 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
S-METAL	Lead	mg/L	--	--	2.7	--	0.26 J	--	0.58	--
SULFIDE	Sulfide	mg/Kg	--	--	170 J-	--	210 J-	--	250 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.002 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0047 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.006 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.0018 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.0015 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0038 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.0035 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0059 J-	--	0.003 UJ	--	0.0024 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.0046 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0046 J-	--	0.003 UJ	--	0.0079 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0032 J-	--	0.003 UJ	--	0.0048 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0048 J-	--	0.003 UJ	--	0.002 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2600	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **052-110-066**
540 BOQUEST BLVD

SDG #	1912282		Sample ID		BFI-AS-052-110-066-01		BFI-AS-052-110-066-02		BFI-AS-052-110-066-03	
Lab Name	BC Laboratories		Sample Date		04/16/19		04/16/19		04/16/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	25	--	12 J	--	24 J	--
ANION	Fluoride	mg/kg	--	--	2.2 J	--	1.8 J	--	2 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	14000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.25 J	--	0.29 J	--
METAL	Antimony	mg/kg	31	37	2.3 J	N	2.2 J	N	1.7 J	N
METAL	Arsenic	mg/kg	7.7	9.2	14	Y-LMOE	29	Y-LMOE	8.4	Y-CG
METAL	Barium	mg/kg	9999	9999	120	N	120	N	80	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	0.2 J	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	1.1	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	22	N	37	N	45	N
METAL	Cobalt	mg/kg	36	43	2.9	N	4.5	N	4	N
METAL	Copper	mg/kg	2499	2499	120	N	430	N	43	N
METAL	Lead	mg/kg	80	80	5.3	N	3.7	N	3.6	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.25 J	N	0.61 J	N	0.57 J	N
METAL	Nickel	mg/kg	490	588	14	N	18	N	46	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.54 J	N	1.2 U	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	21	N	42	N	32	N
METAL	Zinc	mg/kg	4999	4999	140	N	300	N	800	N
METAL6010B	Aluminum	mg/kg	--	--	5400	--	11000	--	11000	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	110000	--	120000	--
METAL6010B	Iron	mg/kg	--	--	3500	--	9600	--	8600	--
METAL6010B	Magnesium	mg/kg	--	--	2100	--	2300	--	5500	--
METAL6010B	Potassium	mg/kg	--	--	490 J	--	1000	--	900	--
METAL6010B	Sodium	mg/kg	--	--	530	--	840	--	550	--
S-METAL	Lead	mg/L	--	--	0.19 J	--	0.19 J	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	160 J-	--	160 J-	--	160 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--

SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0018 J-	--	0.005 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0023 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2500	--	2600	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **052-235-031**
5565 SIERRA PARK DR

SDG #	1912027		Sample ID		BFI-AS-052-235-031-01		BFI-AS-052-235-031-02		BFI-AS-052-235-031-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	61	--	93	--	100	--
ANION	Fluoride	mg/kg	--	--	1.4 J	--	3	--	1.9	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	15000	--	6800	--
CYAN	Total Cyanide	mg/kg	--	--	0.65	--	0.24 J	--	0.27 J	--
METAL	Antimony	mg/kg	31	37	48	Y-LMOE	390	Y-LMOE	56	Y-LMOE
METAL	Arsenic	mg/kg	7.7	9.2	63	Y-LMOE	30	Y-LMOE	5.7	N
METAL	Barium	mg/kg	9999	9999	200	N	240	N	660	N
METAL	Beryllium	mg/kg	15	18	0.21 J	N	1.2 U	N	0.39 J	N
METAL	Cadmium	mg/kg	5.2	6.2	7.4	Y-LMOE	170	Y-LMOE	27	Y-LMOE
METAL	Chromium	mg/kg	2499	2499	88	N	200	N	54	N
METAL	Cobalt	mg/kg	36	43	7	N	16	N	16	N
METAL	Copper	mg/kg	2499	2499	1000	N	4500	Y-LMOE	3300	Y-LMOE
METAL	Lead	mg/kg	80	80	3700	Y-LMOE	14000	Y-LMOE	1100	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1.6	N	2	N	11	N
METAL	Nickel	mg/kg	490	588	36	N	150	N	35	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	3.7	N	2.5 U	N
METAL	Silver	mg/kg	390	468	6.3	N	8.1	N	71	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	18	N	19	N	29	N
METAL	Zinc	mg/kg	4999	4999	2100	N	2900	N	1900	N
METAL6010B	Aluminum	mg/kg	--	--	15000	--	16000	--	42000	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	180000	--	84000	--
METAL6010B	Iron	mg/kg	--	--	7400	--	7300	--	9700	--
METAL6010B	Magnesium	mg/kg	--	--	3900	--	4900	--	3800	--
METAL6010B	Potassium	mg/kg	--	--	870	--	930	--	1000	--
METAL6010B	Sodium	mg/kg	--	--	730	--	1300	--	3000	--
S-METAL	Lead	mg/L	--	--	39	--	16	--	15	--
SULFIDE	Sulfide	mg/Kg	--	--	110 J-	--	100 J-	--	79 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.0029 J-	--	0.003 U	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.012 J-	--	0.0024 J	--	0.0018 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.0062 J-	--	0.0039	--	0.0021 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0075 J-	--	0.011	--	0.0049 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0054 J-	--	0.0068	--	0.0052 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0059 J-	--	0.016	--	0.0066 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.0043	--	0.0063 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.0044 J-	--	0.0029 J	--	0.0012 J-	--
SVOA8270	Chrysene	mg/kg	--	--	0.01 J-	--	0.015	--	0.0073 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.0034	--	0.0012 J-	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.023 J-	--	0.023	--	0.012 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.0079 J-	--	0.003	--	0.0021 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.0053	--	0.0025 J-	--

SVOA8270	Naphthalene	mg/kg	--	--	0.07 J-	--	0.024	--	0.014 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.053 J-	--	0.041	--	0.023 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.025 J-	--	0.018	--	0.013 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	2000	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **052-290-119**
117 MAGNOLIA DR

SDG #	1912028		Sample ID		BFI-AS-052-290-119-01		BFI-AS-052-290-119-02		BFI-AS-052-290-119-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	53	--	11 J	--	35	--
ANION	Fluoride	mg/kg	--	--	0.95 J	--	1.8 J	--	1.5 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	10 J	--	22 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.24 J	--	0.86	--	0.49 J	--
METAL	Antimony	mg/kg	31	37	8.7	N	4.9	N	61	Y-LMOE
METAL	Arsenic	mg/kg	7.7	9.2	8.2	Y-CG	8.2	Y-CG	14	Y-LMOE
METAL	Barium	mg/kg	9999	9999	200	N	190	N	140	N
METAL	Beryllium	mg/kg	15	18	1.2	N	0.95 J	N	1.3	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.3 J	N
METAL	Chromium	mg/kg	2499	2499	14	N	320	N	18	N
METAL	Cobalt	mg/kg	36	43	4.4	N	6.6	N	7.3	N
METAL	Copper	mg/kg	2499	2499	130	N	420	N	2000	N
METAL	Lead	mg/kg	80	80	39	N	25	N	37	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1.8	N	1.8	N	2.3	N
METAL	Nickel	mg/kg	490	588	21	N	23	N	19	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.29 J	N	1.2 U	N	0.28 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	34	N	51	N	43	N
METAL	Zinc	mg/kg	4999	4999	1800	N	310	N	440	N
METAL6010B	Aluminum	mg/kg	--	--	15000	--	30000	--	24000	--
METAL6010B	Calcium	mg/kg	--	--	69000	--	65000	--	94000	--
METAL6010B	Iron	mg/kg	--	--	11000	--	34000	--	14000	--
METAL6010B	Magnesium	mg/kg	--	--	3500	--	3100	--	5200	--
METAL6010B	Potassium	mg/kg	--	--	1400	--	1200	--	1200	--
METAL6010B	Sodium	mg/kg	--	--	1800	--	1300	--	1500	--
S-METAL	Lead	mg/L	--	--	1	--	0.39 J	--	0.22 J	--
SULFIDE	Sulfide	mg/Kg	--	--	80 J-	--	79 J-	--	56 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0021 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0067 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.0038 J-	--	0.012 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.016 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0074 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.012 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0027 J-	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.022 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0031 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.005 J-	--

SVOA8270	Naphthalene	mg/kg	--	--	0.0015 J-	--	0.0082 J-	--	0.0091 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.0033 J-	--	0.017 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.023 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2300	--	2300	--	2300	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-131-086**
5823 COPELAND RD

SDG #	1912031		Sample ID		BFI-AS-053-131-086-01		BFI-AS-053-131-086-02		BFI-AS-053-131-086-02-D		BFI-AS-053-131-086-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	31	--	9.9 J	--	11	--	16	--
ANION	Fluoride	mg/kg	--	--	2.2	--	0.96 J	--	0.94 J	--	0.7 J	--
ANION	Nitrate as NO3	mg/kg	--	--	8.8 U	--	4.7 J	--	6 J	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	13000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.23 J	--	0.71	--	0.6	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	130	Y-LMOE	50 J	Y-LMOE	2.7 J	N	3.1	N
METAL	Arsenic	mg/kg	7.7	9.2	15	Y-LMOE	1.1 J	N	2.6	N	2.7	N
METAL	Barium	mg/kg	9999	9999	200	N	120	N	170	N	160	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	0.42 J	N	0.31 J	N
METAL	Cadmium	mg/kg	5.2	6.2	2.4	N	1.2	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	51	N	45	N	75	N	67	N
METAL	Cobalt	mg/kg	36	43	53 J	Y-LMOE	5.3	N	7.9	N	7.8	N
METAL	Copper	mg/kg	2499	2499	2000	N	5700 J	Y-LMOE	50 J	N	63	N
METAL	Lead	mg/kg	80	80	210	Y-LMOE	45	N	32	N	51	N
METAL	Mercury	mg/kg	1	1.2	0.19 J	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1 J	N	0.83 J	N	0.53 J	N	0.66 J	N
METAL	Nickel	mg/kg	490	588	79 J+	N	69	N	63	N	72	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.3	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	33	N	42 J	N	100 J	N	90	N
METAL	Zinc	mg/kg	4999	4999	1900	N	900 J	N	200 J	N	180	N
METAL6010B	Aluminum	mg/kg	--	--	7500 J	--	26000	--	31000	--	35000	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	90000	--	77000	--	100000	--
METAL6010B	Iron	mg/kg	--	--	13000	--	23000	--	26000	--	8900	--
METAL6010B	Magnesium	mg/kg	--	--	4600	--	4500	--	3800	--	5500	--
METAL6010B	Potassium	mg/kg	--	--	940 J-	--	720	--	670	--	560	--
METAL6010B	Sodium	mg/kg	--	--	600	--	640	--	380 J	--	1100	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	--	--	24 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	3.8 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	3.8 U	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	--	--	5.8 U	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	--	--	5.8 U	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.5 U	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	--	--	3.8 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	--	--	4.8 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.9 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.7 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.5 U	--
S-METAL	Lead	mg/L	--	--	0.45 J	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	120 J-	--	71 J-	--	71 J-	--	79 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0013 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0068 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0062 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0052 J-	--	0.0036 J-	--	0.004 J-	--	0.011 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.00098 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.011 J-	--	0.0043 J-	--	0.0037 J-	--	0.024 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0036 J-	--	0.00099 J-	--	0.003 UJ	--	0.0055 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0036 J-	--	0.005 J-	--	0.0024 J-	--	0.022 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.0013 J-	--	0.003 UJ	--	0.0042 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0055 J-	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0087 J-	--	0.025 J-	--	0.012 J-	--	0.034 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0058 J-	--	0.0093 J-	--	0.0057 J-	--	0.021 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0029 J-	--	0.0036 J-	--	0.002 J-	--	0.017 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2600	--	2300	--	3500	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-161-023**
1443 POWELL LN

SDG #	1912029		Sample ID		BFI-AS-053-161-023-01		BFI-AS-053-161-023-02		BFI-AS-053-161-023-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	27	--	16 J	--	15 J	--
ANION	Fluoride	mg/kg	--	--	2.4 J	--	2.2 J	--	1.8 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	14000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.25 J	--	0.2 J	--	0.56	--
METAL	Antimony	mg/kg	31	37	12	N	7.6	N	3.4	N
METAL	Arsenic	mg/kg	7.7	9.2	4.5	N	1.9 J	N	1.6 J	N
METAL	Barium	mg/kg	9999	9999	150	N	110	N	120	N
METAL	Beryllium	mg/kg	15	18	0.26 J	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	42	N	32	N	7.9	N
METAL	Cobalt	mg/kg	36	43	5.9	N	3.5	N	3.8	N
METAL	Copper	mg/kg	2499	2499	210	N	35000	Y-LMOE	520	N
METAL	Lead	mg/kg	80	80	12	N	59	N	29	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.43 J	N	1.3	N	0.54 J	N
METAL	Nickel	mg/kg	490	588	36	N	22	N	29	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	0.99 J	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	87	N	47	N	62	N
METAL	Zinc	mg/kg	4999	4999	730	N	400	N	560	N
METAL6010B	Aluminum	mg/kg	--	--	17000	--	15000	--	7200	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	130000	--	130000	--
METAL6010B	Iron	mg/kg	--	--	15000	--	23000	--	7500	--
METAL6010B	Magnesium	mg/kg	--	--	2700	--	2100	--	3100	--
METAL6010B	Potassium	mg/kg	--	--	1100	--	890	--	1200	--
METAL6010B	Sodium	mg/kg	--	--	3000	--	1900	--	1100	--
PBDE	PBDE-100	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	24 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	24 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.3 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.3 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	3.4 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	3.4 U	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.3 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	2.9 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	0.92 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.16 J	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	220 J-	--	160 J-	--	55 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0017 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.0037 J-	--	0.0046 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0031 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0024 J-	--	0.0087 J-	--	0.0071 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.0017 J-	--	0.0032 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0034 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	2400	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-180-145**
1612 SYLVAN WAY

SDG #	1912030		Sample ID		BFI-AS-053-180-145-01		BFI-AS-053-180-145-02		BFI-AS-053-180-145-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	11 J	--	18 J	--	23	--
ANION	Fluoride	mg/kg	--	--	3	--	2.5	--	0.85	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	2 J	--
ANION	Sulfate	mg/kg	--	--	14000	--	16000	--	68	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.61	--
METAL	Antimony	mg/kg	31	37	2.8	N	2.6	N	7.3	N
METAL	Arsenic	mg/kg	7.7	9.2	9.3	Y-LMOE	8.2	Y-CG	13	Y-LMOE
METAL	Barium	mg/kg	9999	9999	97	N	86	N	45	N
METAL	Beryllium	mg/kg	15	18	0.27 J	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.58 J	N	0.36 J+	N
METAL	Chromium	mg/kg	2499	2499	24	N	55	N	31	N
METAL	Cobalt	mg/kg	36	43	6.2	N	5.9	N	8.4	N
METAL	Copper	mg/kg	2499	2499	440	N	440	N	600	N
METAL	Lead	mg/kg	80	80	14	N	53	N	47	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	36	N	18	N	42	N
METAL	Nickel	mg/kg	490	588	23	N	97	N	31	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	0.98 J	N	1.7	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	33	N	26	N	43	N
METAL	Zinc	mg/kg	4999	4999	210	N	270	N	720	N
METAL6010B	Aluminum	mg/kg	--	--	5200	--	6500	--	6600	--
METAL6010B	Calcium	mg/kg	--	--	150000	--	130000	--	99000	--
METAL6010B	Iron	mg/kg	--	--	17000	--	19000	--	25000	--
METAL6010B	Magnesium	mg/kg	--	--	12000	--	11000	--	10000	--
METAL6010B	Potassium	mg/kg	--	--	1300	--	1000	--	1300	--
METAL6010B	Sodium	mg/kg	--	--	990	--	970	--	820	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	280 J-	--	260 J-	--	95 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0022 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0089 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0038 J-	--	0.003 UJ	--	0.013 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.017 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0097 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0039 J-	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0082 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0019 J-	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0015 J-	--	0.003 UJ	--	0.014 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0022 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.009 J-	--

SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0011 J-	--	0.012 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0016 J-	--	0.003 UJ	--	0.022 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.015 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2500	--	110	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-210-066**
1432 GORDON WAY

SDG #	1912491		Sample ID		BFI-AS-053-210-066-01		BFI-AS-053-210-066-02		BFI-AS-053-210-066-03		BFI-AS-053-210-066-03-D	
Lab Name	BC Laboratories		Sample Date		04/17/19		04/17/19		04/17/19		04/17/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	6.6 J	--	28	--	10	--	15	--
ANION	Fluoride	mg/kg	--	--	2.4 J	--	1.4 J	--	0.46 J	--	0.54 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	8.8 U	--	2.8 J	--
ANION	Sulfate	mg/kg	--	--	12000	--	11000	--	6100	--	9100	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.3 J	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	9.5	N	5.2	N	1.2 J	N	1.4 J	N
METAL	Arsenic	mg/kg	7.7	9.2	1.5 J	N	1.5 J	N	2 J	N	1.6 J	N
METAL	Barium	mg/kg	9999	9999	46	N	190	N	32	N	36	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	2.5	N	0.62 U	N	0.3 J	N
METAL	Chromium	mg/kg	2499	2499	5.9	N	14	N	7.3	N	12	N
METAL	Cobalt	mg/kg	36	43	2.7	N	2.9	N	2.9	N	3	N
METAL	Copper	mg/kg	2499	2499	93	N	1600	N	75	N	78	N
METAL	Lead	mg/kg	80	80	33	N	110	Y-LMOE	11	N	11	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	2.4	N	3.3	N	4.2	N	5.7	N
METAL	Nickel	mg/kg	490	588	14	N	22	N	50	N	34	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	0.44 J	N	1.2 U	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	25	N	29	N	53	N	55	N
METAL	Zinc	mg/kg	4999	4999	410	N	310	N	370	N	350	N
METAL6010B	Aluminum	mg/kg	--	--	4200	--	2800	--	4500	--	4300	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	110000	--	140000	--	160000	--
METAL6010B	Iron	mg/kg	--	--	5200	--	3700	--	6500	--	6400	--
METAL6010B	Magnesium	mg/kg	--	--	2100	--	1600	--	2500	--	2300	--
METAL6010B	Potassium	mg/kg	--	--	950	--	710	--	1200	--	940	--
METAL6010B	Sodium	mg/kg	--	--	720	--	580	--	730	--	780	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	17	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	120 J-	--	79 J-	--	87 J-	--	88 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--

SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0016 J-	--	0.0013 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	3400	--	2400	--	2500	--	2500	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-240-046**
6351 HAROLD LN

SDG #	1912032		Sample ID		BFI-AS-053-240-046-01		BFI-AS-053-240-046-01-D		BFI-AS-053-240-046-02		BFI-AS-053-240-046-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	35	--	38	--	9.5 J	--	25	--
ANION	Fluoride	mg/kg	--	--	2.4	--	1.9	--	0.68 J	--	0.8 J	--
ANION	Nitrate as NO3	mg/kg	--	--	8.8 U	--	8.8 U	--	2.7 J	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	13000	--	13000	--	11000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.44 J	--	0.17 J	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	16 J	N	2.1 J	N	7.6	N	14	N
METAL	Arsenic	mg/kg	7.7	9.2	1.9 J	N	2.3 J	N	2.2 J	N	5.5	N
METAL	Barium	mg/kg	9999	9999	240 J	N	93 J	N	210	N	1100	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	0.21 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	13 J	N	22 J	N	43	N	57	N
METAL	Cobalt	mg/kg	36	43	3.6 J	N	6.2 J	N	6.6	N	15	N
METAL	Copper	mg/kg	2499	2499	600	N	580	N	340	N	1500	N
METAL	Lead	mg/kg	80	80	12	N	11	N	390	Y-LMOE	65	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	5.2	N	7.5	N	5.1	N	0.55 J	N
METAL	Nickel	mg/kg	490	588	26 J	N	490 J	N	80	N	74	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.41 J	N	0.28 J	N	0.39 J	N	3.8	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	30	N	45	N	27	N	50	N
METAL	Zinc	mg/kg	4999	4999	460	N	290	N	1800	N	1900	N
METAL6010B	Aluminum	mg/kg	--	--	10000	--	7700	--	10000	--	7800	--
METAL6010B	Calcium	mg/kg	--	--	150000	--	140000	--	140000	--	120000	--
METAL6010B	Iron	mg/kg	--	--	7000	--	5800	--	9600	--	6400	--
METAL6010B	Magnesium	mg/kg	--	--	2900	--	3600	--	3400	--	3000	--
METAL6010B	Potassium	mg/kg	--	--	980	--	1100	--	1400	--	1200	--
METAL6010B	Sodium	mg/kg	--	--	1400	--	1200	--	4000	--	1700	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	--	--	23 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	2.4 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	--	--	2.4 U	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	--	--	3.6 U	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	--	--	3.6 U	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	--	--	0.97 U	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	--	--	2.4 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	--	--	3 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	--	--	1.2 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	--	--	1.1 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	--	--	0.97 U	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	150 J-	--	260 J-	--	130 J-	--	150 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0024 J-	--	0.0014 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0044 J-	--	0.0041 J-	--	0.0037 J-	--	0.0038 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0019 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.0011 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0022 J-	--	0.0011 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0088 J-	--	0.0048 J-	--	0.0023 J-	--	0.0025 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.001 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0011 J-	--	0.0032 J-	--	0.003 UJ	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0073 J-	--	0.0038 J-	--	0.0035 J-	--	0.0024 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0087 J-	--	0.0043 J-	--	0.002 J-	--	0.0021 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	2800	--	2500	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J- The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.

LMOE Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-330-119**
5794 DEERPARK LN

SDG #	1912033		Sample ID		BFI-AS-053-330-119-01		BFI-AS-053-330-119-02		BFI-AS-053-330-119-03		BFI-AS-053-330-119-03-D	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	26	--	6.2	--	100	--	100	--
ANION	Fluoride	mg/kg	--	--	0.45 J	--	0.67	--	1.2	--	1.7	--
ANION	Nitrate as NO3	mg/kg	--	--	27	--	44	--	8.8 U	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	37	--	15	--	14000	--	13000	--
CYAN	Total Cyanide	mg/kg	--	--	0.95	--	0.79	--	0.35 J	--	0.79	--
METAL	Antimony	mg/kg	31	37	7.4	N	1.5 J	N	3.3	N	3.1	N
METAL	Arsenic	mg/kg	7.7	9.2	10	Y-LMOE	11	Y-LMOE	2.1 J	N	2 J	N
METAL	Barium	mg/kg	9999	9999	330	N	310	N	210	N	320	N
METAL	Beryllium	mg/kg	15	18	0.35 J	N	0.36 J	N	0.31 J	N	0.38 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.52 J+	N	0.66	N	0.45 J+	N	0.38 J+	N
METAL	Chromium	mg/kg	2499	2499	67	N	73	N	23	N	30	N
METAL	Cobalt	mg/kg	36	43	10	N	11	N	4.3	N	5.1	N
METAL	Copper	mg/kg	2499	2499	1400	N	120	N	2700	Y-LMOE	1800	N
METAL	Lead	mg/kg	80	80	50	N	57	N	47	N	46	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1.8	N	0.73 J	N	0.97 J	N	1.2	N
METAL	Nickel	mg/kg	490	588	46	N	45	N	18	N	19	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.34 J	N	1.2 U	N	1.5	N	1.3	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	80	N	84	N	32	N	33	N
METAL	Zinc	mg/kg	4999	4999	4300	N	5100	Y-LMOE	1700	N	2400	N
METAL6010B	Aluminum	mg/kg	--	--	35000	--	64000	--	170000 J	--	64000 J	--
METAL6010B	Calcium	mg/kg	--	--	14000	--	11000	--	430000 J	--	110000 J	--
METAL6010B	Iron	mg/kg	--	--	17000	--	35000	--	14000 J	--	3000 J	--
METAL6010B	Magnesium	mg/kg	--	--	9600	--	4600	--	9600 J	--	2600 J	--
METAL6010B	Potassium	mg/kg	--	--	990	--	1300	--	2100 J	--	970 J	--
METAL6010B	Sodium	mg/kg	--	--	1400	--	820	--	2900 J	--	1900	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	24 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	3.1 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	3.1 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	4.6 UJ	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	4.6 UJ	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	1.2 U	--	--	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	3.1 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	3.8 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	1.5 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	1.4 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	1.2 U	--	--	--
S-METAL	Lead	mg/L	--	--	2.5	--	1.8	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	48 J-	--	48 J-	--	110 J-	--	310 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.0037 J-	--	0.0037 J-	--	0.0037 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.012 J-	--	0.0057 J-	--	0.0091 J-	--	0.026 J	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.002 J-	--	0.003 UJ	--	0.0013 J-	--	0.0029 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	120	--	85	--	2500	--	2700	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **053-340-021**
6178 LAKEVIEW CIR

SDG #	1912062		Sample ID		BFI-AS-053-340-021-01		BFI-AS-053-340-021-02		BFI-AS-053-340-021-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	64	--	110	--	50	--
ANION	Fluoride	mg/kg	--	--	1.4	--	2.5 U	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	4.7	--	15 J	--	22 U	--
ANION	Sulfate	mg/kg	--	--	1700	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.78	--	0.24 J	--	0.86	--
METAL	Antimony	mg/kg	31	37	97 J	Y-LMOE	7.2	N	5.8	N
METAL	Arsenic	mg/kg	7.7	9.2	34 J	Y-LMOE	5.3	N	32	Y-LMOE
METAL	Barium	mg/kg	9999	9999	410	N	140	N	140	N
METAL	Beryllium	mg/kg	15	18	0.35 J	N	0.24 J	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	5.4 J	Y-CG	0.31 J	N	0.62	N
METAL	Chromium	mg/kg	2499	2499	79 J	N	59	N	57	N
METAL	Cobalt	mg/kg	36	43	8.2	N	12	N	8.3	N
METAL	Copper	mg/kg	2499	2499	2700	Y-LMOE	120	N	350	N
METAL	Lead	mg/kg	80	80	540	Y-LMOE	59	N	21	N
METAL	Mercury	mg/kg	1	1.2	0.12 J	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1 J	N	0.95 J	N	1.2	N
METAL	Nickel	mg/kg	490	588	69	N	31	N	28	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	22 J-	N	1.8	N	0.49 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	100	N	86	N	49	N
METAL	Zinc	mg/kg	4999	4999	900	N	790	N	460	N
METAL6010B	Aluminum	mg/kg	--	--	22000	--	27000	--	24000	--
METAL6010B	Calcium	mg/kg	--	--	89000	--	120000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	18000	--	16000	--	13000	--
METAL6010B	Magnesium	mg/kg	--	--	7300	--	5300	--	4800	--
METAL6010B	Potassium	mg/kg	--	--	1100 J	--	1300	--	1400	--
METAL6010B	Sodium	mg/kg	--	--	1300	--	1100	--	1400	--
PBDE	PBDE-100	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	22 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.4 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.4 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	3.6 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	3.6 UJ	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.4 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	0.96 U	--	--	--
S-METAL	Lead	mg/L	--	--	3.2	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	71 J-	--	79 J-	--	79 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.002 J-	--	0.003 UJ	--	0.0052 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.014 J-	--	0.003 UJ	--	0.0049 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.0094 J-	--	0.003 UJ	--	0.0079 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.026 J-	--	0.0039 J-	--	0.043 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.013 J-	--	0.003 UJ	--	0.034 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.053 J-	--	0.003 UJ	--	0.085 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.014 J-	--	0.003 UJ	--	0.029 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.0064 J-	--	0.003 UJ	--	0.015 J-	--
SVOA8270	Chrysene	mg/kg	--	--	0.028 J-	--	0.003 UJ	--	0.047 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.013 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.032 J-	--	0.003 UJ	--	0.071 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.012 J-	--	0.003 UJ	--	0.014 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.02 J-	--	0.003 UJ	--	0.037 J-	--
SVOA8270	Naphthalene	mg/kg	--	--	0.045 J-	--	0.0058 J-	--	0.055 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.056 J-	--	0.0032 J-	--	0.049 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.03 J-	--	0.003 UJ	--	0.069 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	470	--	2500	--	2500	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **054-141-031**
5714 BONNIE LN

SDG #	1912069		Sample ID		BFI-AS-054-141-031-01		BFI-AS-054-141-031-02		BFI-AS-054-141-031-03		BFI-AS-054-141-031-03-D	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	35	--	25	--	21 J	--	19 J	--
ANION	Fluoride	mg/kg	--	--	0.95	--	2.6	--	2.5 U	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	2.6 J	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	210	--	14000	--	15000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.2 J	--	0.18 J	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	18000	Y-LMOE	14	N	14	N	16	N
METAL	Arsenic	mg/kg	7.7	9.2	1100	Y-LMOE	8.7	Y-CG	9.1 J	Y-CG	4.6 J	N
METAL	Barium	mg/kg	9999	9999	260	N	110	N	140 J	N	79 J	N
METAL	Beryllium	mg/kg	15	18	6.2 U	N	6.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	3	N	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	11	N	13	N	13 J	N	6.1 J	N
METAL	Cobalt	mg/kg	36	43	3.3	N	3.6	N	7.7 J	N	4.1 J	N
METAL	Copper	mg/kg	2499	2499	65000	Y-LMOE	61000	Y-LMOE	5900 J	Y-LMOE	540 J	N
METAL	Lead	mg/kg	80	80	51000	Y-LMOE	67	N	420	Y-LMOE	580	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	2.3	N	2.4	N	1 J	N	0.49 J	N
METAL	Nickel	mg/kg	490	588	180	N	19	N	15	N	9.4	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	6.7	N	2.7	N	2.3 J	N	1.2 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	26	N	23	N	17	N	11	N
METAL	Zinc	mg/kg	4999	4999	7400	Y-LMOE	450	N	1300 J	N	340 J	N
METAL6010B	Aluminum	mg/kg	--	--	15000	--	13000	--	7300 J	--	4100 J	--
METAL6010B	Calcium	mg/kg	--	--	100000	--	150000	--	120000	--	93000	--
METAL6010B	Iron	mg/kg	--	--	6700	--	8300	--	15000 J	--	3800 J	--
METAL6010B	Magnesium	mg/kg	--	--	2900	--	3600	--	2500	--	1700	--
METAL6010B	Potassium	mg/kg	--	--	1300	--	1500	--	1200 J	--	600 J	--
METAL6010B	Sodium	mg/kg	--	--	920	--	1400	--	1200 J	--	540 J	--
S-METAL	Lead	mg/L	--	--	2200	--	1 J	--	16 J	--	34 J	--
SULFIDE	Sulfide	mg/Kg	--	--	95 J-	--	130 J-	--	350 J-	--	180 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.0016 J	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0015 J	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0036	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0064	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 U	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0081	--	0.0095 J-	--	0.0036 J-	--	0.003 UJ	--

SVOA8270	Phenanthrene	mg/kg	--	--	0.013	--	0.0016 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.0073	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	550	--	2400	--	2400	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **054-171-101**
5461 EDGEWOOD LN

SDG #	1912064		Sample ID		BFI-AS-054-171-101-01		BFI-AS-054-171-101-02		BFI-AS-054-171-101-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	14 J	--	12 J	--	31	--
ANION	Fluoride	mg/kg	--	--	2.5 U	--	1.7 J	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	14000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.29 J	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	2.5	N	1.8 J	N	20	N
METAL	Arsenic	mg/kg	7.7	9.2	4.1	N	2.6	N	4.6	N
METAL	Barium	mg/kg	9999	9999	56	N	66	N	92	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	4.9	N
METAL	Chromium	mg/kg	2499	2499	14	N	14	N	21	N
METAL	Cobalt	mg/kg	36	43	3.5	N	8.2	N	120	Y-LMOE
METAL	Copper	mg/kg	2499	2499	50	N	56	N	2900	Y-LMOE
METAL	Lead	mg/kg	80	80	13	N	6.4	N	480	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.75 J	N	1.1 J	N	3.3	N
METAL	Nickel	mg/kg	490	588	15	N	25	N	1300	Y-LMOE
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	2.3	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	48	N	38	N	25	N
METAL	Zinc	mg/kg	4999	4999	180	N	310	N	2000	N
METAL6010B	Aluminum	mg/kg	--	--	8200	--	5800	--	8400	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	150000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	7700	--	8100	--	7900	--
METAL6010B	Magnesium	mg/kg	--	--	4400	--	3600	--	3600	--
METAL6010B	Potassium	mg/kg	--	--	1100	--	1200	--	1600	--
METAL6010B	Sodium	mg/kg	--	--	1200	--	1200	--	1200	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	2.7	--
SULFIDE	Sulfide	mg/Kg	--	--	210 J-	--	130 J-	--	95 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0019 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0058 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0091 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0035 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0031 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.004 J-	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.0026 J-	--	0.0035 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0049 J-	--

SVOA8270	Naphthalene	mg/kg	--	--	0.0052 J-	--	0.0035 J-	--	0.0068 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0031 J-	--	0.0064 J-	--	0.0062 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.0021 J-	--	0.0032 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2400	--	2500	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **055-070-021**
4951 FOSTER RD

SDG #	1912063		Sample ID		BFI-AS-055-070-021-01		BFI-AS-055-070-021-02		BFI-AS-055-070-021-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	24	--	55	--	13 J	--
ANION	Fluoride	mg/kg	--	--	1 U	--	2.5 U	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	9	--	22 U	--	68	--
ANION	Sulfate	mg/kg	--	--	8700	--	15000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.58	--	0.37 J	--
METAL	Antimony	mg/kg	31	37	6.2	N	12	N	1.5 J	N
METAL	Arsenic	mg/kg	7.7	9.2	14	Y-LMOE	4.7	N	3.6	N
METAL	Barium	mg/kg	9999	9999	93	N	210	N	160	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	0.3 J	N
METAL	Cadmium	mg/kg	5.2	6.2	5.3	Y-CG	1.1	N	0.31 J	N
METAL	Chromium	mg/kg	2499	2499	23	N	34	N	47	N
METAL	Cobalt	mg/kg	36	43	3.5	N	8.6	N	9.1	N
METAL	Copper	mg/kg	2499	2499	520	N	1300	N	170	N
METAL	Lead	mg/kg	80	80	46	N	120	Y-LMOE	32	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.65 J	N	3.9	N	0.57 J	N
METAL	Nickel	mg/kg	490	588	44	N	98	N	41	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.56 J	N	0.54 J	N	0.31 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	33	N	26	N	85	N
METAL	Zinc	mg/kg	4999	4999	820	N	2400	N	510	N
METAL6010B	Aluminum	mg/kg	--	--	13000	--	14000	--	34000	--
METAL6010B	Calcium	mg/kg	--	--	160000	--	150000	--	79000	--
METAL6010B	Iron	mg/kg	--	--	8700	--	11000	--	29000	--
METAL6010B	Magnesium	mg/kg	--	--	5300	--	8100	--	3800	--
METAL6010B	Potassium	mg/kg	--	--	1700	--	1500	--	960	--
METAL6010B	Sodium	mg/kg	--	--	1900	--	2800	--	620	--
PBDE	PBDE-100	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	25 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.3 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.3 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	3.5 UJ	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	3.5 UJ	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.3 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	2.9 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	0.93 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	9.8 UJ	--	16 J-	--	16 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.022 J-	--	0.0026 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.0016 J-	--	0.1 J-	--	0.0075 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.057 J-	--	0.0029 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.042 J-	--	0.0062 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.011 J-	--	0.0049 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.044 J-	--	0.013 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.0084 J-	--	0.0046 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.0037 J-	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.029 J-	--	0.0066 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.0057 J-	--	0.011 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.0012 J-	--	0.076 J-	--	0.0062 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.01 J-	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.029 J-	--	0.45 J-	--	0.14 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0025 J-	--	0.22 J-	--	0.029 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.0061 J-	--	0.01 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2700	--	2600	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **055-130-107**
541 CASA DR

SDG #	1912061		Sample ID		BFI-AS-055-130-107-01		BFI-AS-055-130-107-02		BFI-AS-055-130-107-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	6.5 J	--	28	--	5.2	--
ANION	Fluoride	mg/kg	--	--	1.5	--	1.3	--	1	--
ANION	Nitrate as NO3	mg/kg	--	--	8.8 U	--	6.2 J	--	2.5 J	--
ANION	Sulfate	mg/kg	--	--	12000	--	11000	--	4000	--
CYAN	Total Cyanide	mg/kg	--	--	0.23 J	--	0.33 J	--	0.18 J	--
METAL	Antimony	mg/kg	31	37	4.2	N	3.1	N	3.2	N
METAL	Arsenic	mg/kg	7.7	9.2	12	Y-LMOE	9.4	Y-LMOE	25	Y-LMOE
METAL	Barium	mg/kg	9999	9999	120	N	200	N	120	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	0.22 J	N	0.32 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.29 J	N	1.6	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	23	N	30	N	34	N
METAL	Cobalt	mg/kg	36	43	5	N	6.3	N	5.5	N
METAL	Copper	mg/kg	2499	2499	440	N	1200	N	160	N
METAL	Lead	mg/kg	80	80	21	N	1300	Y-LMOE	22	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.84 J	N	0.8 J	N	1.4	N
METAL	Nickel	mg/kg	490	588	39	N	25	N	42	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.1 J	N	0.63 J	N	0.55 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	50	N	51	N	55	N
METAL	Zinc	mg/kg	4999	4999	8000	Y-LMOE	920	N	440	N
METAL6010B	Aluminum	mg/kg	--	--	20000	--	22000	--	10000	--
METAL6010B	Calcium	mg/kg	--	--	120000	--	94000	--	160000	--
METAL6010B	Iron	mg/kg	--	--	20000	--	15000	--	12000	--
METAL6010B	Magnesium	mg/kg	--	--	5500	--	3800	--	6800	--
METAL6010B	Potassium	mg/kg	--	--	1300	--	1200	--	1400	--
METAL6010B	Sodium	mg/kg	--	--	2200	--	1900	--	1700	--
PBDE	PBDE-100	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	22 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	22 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4.1 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4.1 UJ	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.4 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.4 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	7	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	95 J-	--	80 J-	--	120 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0013 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0035 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0013 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0036 J-	--	0.0034 J-	--	0.0038 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0045 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.0033 J-	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0041 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0029 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0095 J-	--	0.0034 J-	--	0.037 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.012 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0038 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2800	--	2500	--	2000	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **055-150-038**
455 APPLE LN

SDG #	1912070		Sample ID		BFI-AS-055-150-038-01		BFI-AS-055-150-038-02		BFI-AS-055-150-038-03		BFI-AS-055-150-038-03-D	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	20 J	--	12	--	21 J	--	21 J	--
ANION	Fluoride	mg/kg	--	--	2 J	--	0.41 J	--	1.7 J	--	1.6 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	2.3 J	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	3200	--	15000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.19 J	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	1.4 J	N	1.6 J	N	2.7	N	2.4 J	N
METAL	Arsenic	mg/kg	7.7	9.2	4.9	N	6.9	N	3.5	N	4.6	N
METAL	Barium	mg/kg	9999	9999	120	N	95	N	72	N	61	N
METAL	Beryllium	mg/kg	15	18	0.24 J	N	0.21 J	N	0.23 J	N	0.22 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.28 J	N	0.24 J	N
METAL	Chromium	mg/kg	2499	2499	34	N	34	N	11	N	12	N
METAL	Cobalt	mg/kg	36	43	17	N	10	N	4.8	N	5.6	N
METAL	Copper	mg/kg	2499	2499	180	N	500	N	480	N	540	N
METAL	Lead	mg/kg	80	80	130	Y-LMOE	10	N	14	N	15	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	19	N	33	N	20	N	27	N
METAL	Nickel	mg/kg	490	588	19	N	28	N	29	N	28	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	2	N	2.3	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	45	N	58	N	16	N	16	N
METAL	Zinc	mg/kg	4999	4999	180	N	170	N	150	N	160	N
METAL6010B	Aluminum	mg/kg	--	--	20000	--	15000	--	7600	--	8300	--
METAL6010B	Calcium	mg/kg	--	--	140000	--	90000	--	190000	--	190000	--
METAL6010B	Iron	mg/kg	--	--	19000	--	28000	--	13000	--	16000	--
METAL6010B	Magnesium	mg/kg	--	--	4000	--	4800	--	5300	--	5800	--
METAL6010B	Potassium	mg/kg	--	--	1200	--	1400	--	1200	--	1200 J	--
METAL6010B	Sodium	mg/kg	--	--	1100	--	810	--	580 J	--	760	--
S-METAL	Lead	mg/L	--	--	2.7	--	0.2 J	--	0.32 J	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	9.9 UJ	--	88 J-	--	210 J-	--	220 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.0018 J-	--	0.0033	--	0.0024 J	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.0011 J	--	0.0022 J-	--	0.0071	--	0.0053	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.006	--	0.0051	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003	--	0.003	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 U	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 U	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 U	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 U	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.0054	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 U	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0024 J-	--	0.003 UJ	--	0.018	--	0.013	--
SVOA8270	Fluorene	mg/kg	--	--	0.0018 J	--	0.0023 J-	--	0.0089	--	0.0072	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 U	--	0.003 U	--
SVOA8270	Naphthalene	mg/kg	--	--	0.018 J-	--	0.04 J-	--	0.089	--	0.098	--

SVOA8270	Phenanthrene	mg/kg	--	--	0.0078 J-	--	0.0046 J-	--	0.045	--	0.036	--
SVOA8270	Pyrene	mg/kg	--	--	0.0017 J-	--	0.003 UJ	--	0.016	--	0.016	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2600	--	630	--	2500	--	2500	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **055-290-056**
5038 ARDEN WAY

SDG #	1912065		Sample ID		BFI-AS-055-290-056-01		BFI-AS-055-290-056-02		BFI-AS-055-290-056-03	
Lab Name	BC Laboratories		Sample Date		04/15/19		04/15/19		04/15/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	21	--	140	--	17 J	--
ANION	Fluoride	mg/kg	--	--	0.8	--	2.5 U	--	2.5 U	--
ANION	Nitrate as NO3	mg/kg	--	--	2.1 J	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	3200	--	14000	--	12000	--
CYAN	Total Cyanide	mg/kg	--	--	0.23 J	--	0.5 U	--	0.22 J	--
METAL	Antimony	mg/kg	31	37	13	N	8.4	N	15	N
METAL	Arsenic	mg/kg	7.7	9.2	7.4	N	15	Y-LMOE	15	Y-LMOE
METAL	Barium	mg/kg	9999	9999	890	N	150	N	380	N
METAL	Beryllium	mg/kg	15	18	0.41 J	N	1.2 U	N	0.33 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	1.1	N	0.73	N
METAL	Chromium	mg/kg	2499	2499	80	N	250	N	90	N
METAL	Cobalt	mg/kg	36	43	7.8	N	6.4	N	18	N
METAL	Copper	mg/kg	2499	2499	890	N	1800	N	9300	Y-LMOE
METAL	Lead	mg/kg	80	80	46	N	76	N	220	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	7	N	1.1 J	N	0.82 J	N
METAL	Nickel	mg/kg	490	588	270	N	44	N	100	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	3.2	N	0.77 J	N	0.84 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	29	N	11	N	51	N
METAL	Zinc	mg/kg	4999	4999	6200	Y-LMOE	1500	N	6000	Y-LMOE
METAL6010B	Aluminum	mg/kg	--	--	17000	--	11000	--	27000	--
METAL6010B	Calcium	mg/kg	--	--	130000	--	140000	--	85000	--
METAL6010B	Iron	mg/kg	--	--	20000	--	14000	--	21000	--
METAL6010B	Magnesium	mg/kg	--	--	28000	--	4300	--	6400	--
METAL6010B	Potassium	mg/kg	--	--	1500	--	620	--	1600	--
METAL6010B	Sodium	mg/kg	--	--	3800	--	950	--	2100	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.22 J	--	0.75	--
SULFIDE	Sulfide	mg/Kg	--	--	130 J-	--	170 J-	--	9.9 UJ	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.0015 J	--	0.003 U	--	0.0025 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.0014 J	--	0.0011 J	--	0.0046 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0022 J	--	0.0033	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.0021 J	--	0.0013 J	--	0.0035 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--

SVOA8270	Naphthalene	mg/kg	--	--	0.021	--	0.012	--	0.078 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0095	--	0.0084	--	0.0073 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 U	--	0.0026 J	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2100	--	2400	--	2600	--

Notes

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b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
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DTSC	California Department of Toxic Substances Control
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LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
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SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **063-310-027**
4885 ZINFANDEL DR

SDG #	1912283		Sample ID		BFI-AS-063-310-027-01		BFI-AS-063-310-027-02		BFI-AS-063-310-027-03		BFI-AS-063-310-027-03-D	
Lab Name	BC Laboratories		Sample Date		04/16/19		04/16/19		04/16/19		04/16/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	19 J	--	19 J	--	46	--	32	--
ANION	Fluoride	mg/kg	--	--	2 J	--	1.5 J	--	1.8 J	--	1.8 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	15000	--	14000	--	15000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.2 J	--	0.4 J	--	0.3 J	--
METAL	Antimony	mg/kg	31	37	3	N	0.62 J	N	11	N	8.9	N
METAL	Arsenic	mg/kg	7.7	9.2	4.3	N	9.4	Y-LMOE	3.2	N	3.7	N
METAL	Barium	mg/kg	9999	9999	54	N	41	N	130	N	120	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	1.2	N	0.31 J	N	0.55 J	N	0.79	N
METAL	Chromium	mg/kg	2499	2499	5.7	N	6.9	N	12	N	10	N
METAL	Cobalt	mg/kg	36	43	4.8	N	2.2	N	5.3 J	N	2.7 J	N
METAL	Copper	mg/kg	2499	2499	110	N	200	N	830 J	N	320 J	N
METAL	Lead	mg/kg	80	80	70	N	15	N	13	N	14	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.36 J	N	0.37 J	N	0.56 J	N	0.44 J	N
METAL	Nickel	mg/kg	490	588	28	N	20	N	13	N	11	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.29 J	N	1.2 U	N	0.4 J	N	0.5 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	35	N	43	N	20	N	16	N
METAL	Zinc	mg/kg	4999	4999	490	N	1000	N	1600 J	N	650 J	N
METAL6010B	Aluminum	mg/kg	--	--	3900	--	5900	--	5900	--	7100	--
METAL6010B	Calcium	mg/kg	--	--	170000	--	150000	--	150000	--	140000	--
METAL6010B	Iron	mg/kg	--	--	3800	--	5400	--	5800	--	4600	--
METAL6010B	Magnesium	mg/kg	--	--	2800	--	3000	--	2800	--	2800	--
METAL6010B	Potassium	mg/kg	--	--	930	--	1300	--	820	--	790	--
METAL6010B	Sodium	mg/kg	--	--	380 J	--	750	--	520	--	450 J	--
S-METAL	Lead	mg/L	--	--	0.51	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	330 J-	--	180 J-	--	110 J-	--	170 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.005 J-	--	0.0024 J-	--

SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	2300	--	2400	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **064-480-010**
14106 NORWICH CIR

SDG #	1912024		Sample ID		BFI-AS-064-480-010-01		BFI-AS-064-480-010-02		BFI-AS-064-480-010-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	25 U	--	4.7 J	--	4.4 J	--
ANION	Fluoride	mg/kg	--	--	2.8	--	2.3 J	--	1.4	--
ANION	Nitrate as NO3	mg/kg	--	--	1.8 J	--	2.3 J	--	1.2 J	--
ANION	Sulfate	mg/kg	--	--	20	--	27	--	300	--
CYAN	Total Cyanide	mg/kg	--	--	0.33 J	--	0.5 U	--	0.21 J	--
METAL	Antimony	mg/kg	31	37	7.9	N	15	N	2.7	N
METAL	Arsenic	mg/kg	7.7	9.2	1.8 J	N	3.1	N	2.1 J	N
METAL	Barium	mg/kg	9999	9999	220	N	140	N	280	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	4.1	N
METAL	Chromium	mg/kg	2499	2499	9.3	N	8.2	N	12	N
METAL	Cobalt	mg/kg	36	43	5.2	N	10	N	6.2	N
METAL	Copper	mg/kg	2499	2499	28	N	31	N	360	N
METAL	Lead	mg/kg	80	80	3.6	N	67	N	14	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	4.6	N	0.51 J	N	0.67 J	N
METAL	Nickel	mg/kg	490	588	20	N	16	N	24	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	0.26 J	N	0.28 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	45	N	34	N	39	N
METAL	Zinc	mg/kg	4999	4999	940	N	1400	N	1900	N
METAL6010B	Aluminum	mg/kg	--	--	6900	--	5700	--	6700	--
METAL6010B	Calcium	mg/kg	--	--	110000	--	140000	--	100000	--
METAL6010B	Iron	mg/kg	--	--	12000	--	7200	--	37000	--
METAL6010B	Magnesium	mg/kg	--	--	3400	--	3400	--	4100	--
METAL6010B	Potassium	mg/kg	--	--	870	--	590	--	1200	--
METAL6010B	Sodium	mg/kg	--	--	1200	--	1100	--	4400	--
PBDE	PBDE-100	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	24 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	24 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	1.1 UJ	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	2.8 UJ	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	2.8 UJ	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	4.2 UJ	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	4.2 UJ	--	--	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	2.8 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	3.5 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	1.4 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	1.1 UJ	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	1.1 UJ	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	1.3 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	1.1 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	1	--	0.19 J	--
SULFIDE	Sulfide	mg/Kg	--	--	94 J-	--	79 J-	--	56 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.0011 J	--	0.003 U	--	0.0025 J	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.0018 J	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.0012 J	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.0037	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0043	--	0.0022 J	--	0.0092	--
SVOA8270	Fluorene	mg/kg	--	--	0.0011 J	--	0.003 U	--	0.003	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 U	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0073	--	0.0018 J	--	0.018	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.012	--	0.0043	--	0.021	--
SVOA8270	Pyrene	mg/kg	--	--	0.0029 J	--	0.0017 J	--	0.0076	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	5300	--	5600	--	650	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **064-530-007**
13937 CHESTNUT CIR

SDG #	1912035		Sample ID		BFI-AS-064-530-007-01		BFI-AS-064-530-007-02		BFI-AS-064-530-007-03		BFI-AS-064-530-007-03-D	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	79	--	32	--	40	--	66	--
ANION	Fluoride	mg/kg	--	--	2.4 J	--	2.5 U	--	0.86 J	--	0.94 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	8.8 U	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	15000	--	15000	--	12000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	9	N	1.9 J	N	3.5	N	4	N
METAL	Arsenic	mg/kg	7.7	9.2	1.4 J	N	1.1 J	N	1.6 J	N	2.3 J	N
METAL	Barium	mg/kg	9999	9999	72	N	65	N	110	N	140	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	5.2	N	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	4.9	N	7.5	N	8.6	N	9.7	N
METAL	Cobalt	mg/kg	36	43	8.1	N	8	N	6.2 J	N	11 J	N
METAL	Copper	mg/kg	2499	2499	2500	Y-LMOE	95	N	150	N	120	N
METAL	Lead	mg/kg	80	80	21	N	6.4	N	36	N	50	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	1 J	N	0.88 J	N	3.1 J	N	1.7 J	N
METAL	Nickel	mg/kg	490	588	9.7	N	14	N	9.8	N	12	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.32 J	N	1.2 U	N	2.7 J	N	1.2 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	22	N	25	N	14 J	N	26 J	N
METAL	Zinc	mg/kg	4999	4999	1000	N	350	N	330	N	400	N
METAL6010B	Aluminum	mg/kg	--	--	5500	--	10000	--	8600	--	13000	--
METAL6010B	Calcium	mg/kg	--	--	110000	--	150000	--	150000	--	180000	--
METAL6010B	Iron	mg/kg	--	--	5500	--	11000	--	3300 J	--	9400 J	--
METAL6010B	Magnesium	mg/kg	--	--	2900	--	3200	--	2900	--	4700	--
METAL6010B	Potassium	mg/kg	--	--	10000 U	--	840	--	610	--	850	--
METAL6010B	Sodium	mg/kg	--	--	10000 U	--	600	--	890	--	1000	--
PBDE	PBDE-100	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	19 U	--	--	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.8 U	--	--	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.8 U	--	--	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4.2 U	--	--	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4.2 UJ	--	--	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.8 U	--	--	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.5 U	--	--	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.4 U	--	--	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.3 U	--	--	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	300 J-	--	120 J-	--	150 J-	--	290 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0016 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0042 J-	--	0.0035 J-	--	0.0035 J-	--	0.0039 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0039 J-	--	0.003 UJ	--	0.003 UJ	--	0.0042 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.00097 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0039 J-	--	0.003 UJ	--	0.003 UJ	--	0.0045 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0016 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0075 J-	--	0.0054 J-	--	0.003 UJ	--	0.076 J	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0032 J-	--	0.0016 J-	--	0.003 UJ	--	0.009 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0029 J-	--	0.003 UJ	--	0.003 UJ	--	0.0039 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2500	--	2400	--	2400	--	2500	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **064-570-004**
14201 RACINE CIR

SDG #	1912025		Sample ID		BFI-AS-064-570-004-01		BFI-AS-064-570-004-02		BFI-AS-064-570-004-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	13 J	--	36	--	28	--
ANION	Fluoride	mg/kg	--	--	2.8	--	1.8 J	--	1.6 J	--
ANION	Nitrate as NO3	mg/kg	--	--	22 U	--	22 U	--	22 U	--
ANION	Sulfate	mg/kg	--	--	14000	--	15000	--	14000	--
CYAN	Total Cyanide	mg/kg	--	--	0.18 J	--	0.5 U	--	0.5 U	--
METAL	Antimony	mg/kg	31	37	8.7	N	19	N	7.6	N
METAL	Arsenic	mg/kg	7.7	9.2	1.4 J	N	1.6 J	N	2.2 J	N
METAL	Barium	mg/kg	9999	9999	110	N	160	N	110	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.3 J	N	11	Y-LMOE	0.29 J	N
METAL	Chromium	mg/kg	2499	2499	21	N	7.5	N	6.4	N
METAL	Cobalt	mg/kg	36	43	9.9	N	8.2	N	2.9	N
METAL	Copper	mg/kg	2499	2499	180	N	220	N	120	N
METAL	Lead	mg/kg	80	80	80	Y-LMOE	50	N	17	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.83 J	N	0.68 J	N	0.42 J	N
METAL	Nickel	mg/kg	490	588	64	N	18	N	22	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	21	N	0.37 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	30	N	23	N	41	N
METAL	Zinc	mg/kg	4999	4999	490	N	560	N	400	N
METAL6010B	Aluminum	mg/kg	--	--	4500	--	4200	--	5500	--
METAL6010B	Calcium	mg/kg	--	--	100000	--	120000	--	110000	--
METAL6010B	Iron	mg/kg	--	--	5500	--	4600	--	16000	--
METAL6010B	Magnesium	mg/kg	--	--	2600	--	2900	--	2900	--
METAL6010B	Potassium	mg/kg	--	--	790	--	790	--	950	--
METAL6010B	Sodium	mg/kg	--	--	490 J	--	760	--	590	--
PBDE	PBDE-100	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	25 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	25 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	4.1 U	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	4.1 U	--	--	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	2.7 U	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	3.4 U	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	1.4 U	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	1.2 U	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	1.1 U	--	--	--
S-METAL	Lead	mg/L	--	--	0.86	--	0.19 J	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	79 J-	--	210 J-	--	130 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.0074	--	0.0029 J	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.016	--	0.0022 J	--	0.0016 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.0089	--	0.0024 J	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0052	--	0.0026 J	--	0.003 UJ	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 U	--	0.0044	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 U	--	0.0012 J	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0076	--	0.0035	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 U	--	0.003 U	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0087	--	0.0022 J	--	0.003 UJ	--
SVOA8270	Fluorene	mg/kg	--	--	0.023	--	0.0066	--	0.0014 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 U	--	0.00099 J	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.042	--	0.025	--	0.033 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.049	--	0.015	--	0.0025 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.018	--	0.0052	--	0.003 UJ	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	2400	--	2400	--

Notes

a The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the

b A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.

-- Not applicable

APN Assessor's parcel number

CHHSL California Human Health Screening Levels

DTSC California Department of Toxic Substances Control

EPA U.S. Environmental Protection Agency

HERO Office of Human Health and Ecological Risk

J The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+ The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **064-600-024**
6191 CALVARY CT

SDG #	1912023		Sample ID		BFI-AS-064-600-024-01		BFI-AS-064-600-024-02		BFI-AS-064-600-024-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	18	--	29	--	13	--
ANION	Fluoride	mg/kg	--	--	1.6	--	2.1	--	2	--
ANION	Nitrate as NO3	mg/kg	--	--	8.8 U	--	4.4 U	--	8.8 U	--
ANION	Sulfate	mg/kg	--	--	8900	--	4000	--	11000	--
CYAN	Total Cyanide	mg/kg	--	--	0.38 J	--	0.5 U	--	0.4 J	--
METAL	Antimony	mg/kg	31	37	2.8	N	16	N	11	N
METAL	Arsenic	mg/kg	7.7	9.2	12	Y-LMOE	12	Y-LMOE	7.7	N
METAL	Barium	mg/kg	9999	9999	67	N	170	N	140	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.73	N
METAL	Chromium	mg/kg	2499	2499	29	N	57	N	39	N
METAL	Cobalt	mg/kg	36	43	5.1	N	8.2	N	11	N
METAL	Copper	mg/kg	2499	2499	2100	N	470	N	500	N
METAL	Lead	mg/kg	80	80	18	N	67	N	130	Y-LMOE
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	15	N	15	N	8.7	N
METAL	Nickel	mg/kg	490	588	160	N	71	N	64	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	0.36 J	N	0.86 J	N	4.1	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	35	N	49	N	43	N
METAL	Zinc	mg/kg	4999	4999	440	N	220	N	510	N
METAL6010B	Aluminum	mg/kg	--	--	9000	--	9500	--	8500	--
METAL6010B	Calcium	mg/kg	--	--	74000	--	94000	--	79000	--
METAL6010B	Iron	mg/kg	--	--	15000	--	16000	--	17000	--
METAL6010B	Magnesium	mg/kg	--	--	3600	--	6800	--	4500	--
METAL6010B	Potassium	mg/kg	--	--	740	--	900	--	790	--
METAL6010B	Sodium	mg/kg	--	--	1300	--	1800	--	1000	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	24 U	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	24 U	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.2 U	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.2 U	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	3.2 U	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	3.2 U	--

PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	2.2 U	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	2.7 U	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	1.1 U	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	0.97 U	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	0.87 U	--
S-METAL	Lead	mg/L	--	--	0.19 J	--	0.34 J	--	12	--
SULFIDE	Sulfide	mg/Kg	--	--	180 J-	--	95 J-	--	110 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0014 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0012 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0011 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0028 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0019 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0024 J-	--	0.023 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.006 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0022 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	2400	--	1400	--	2600	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **066-210-055**
13515 TUFTS CT

SDG #	1912034		Sample ID		BFI-AS-066-210-055-01		BFI-AS-066-210-055-01-D		BFI-AS-066-210-055-02		BFI-AS-066-210-055-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	5 U	--	10 U	--	4.7 J	--	4.7 J	--
ANION	Fluoride	mg/kg	--	--	1.2	--	1.6	--	1.1	--	0.58	--
ANION	Nitrate as NO3	mg/kg	--	--	1.7 J	--	8.8 U	--	1.4 J	--	8.6	--
ANION	Sulfate	mg/kg	--	--	13	--	20	--	42	--	44	--
CYAN	Total Cyanide	mg/kg	--	--	0.23 J	--	0.99 J	--	1.2	--	0.26 J	--
METAL	Antimony	mg/kg	31	37	5.1 J	N	1.5 J	N	3.3	N	1.3 J	N
METAL	Arsenic	mg/kg	7.7	9.2	3	N	2.9	N	3	N	3	N
METAL	Barium	mg/kg	9999	9999	81	N	73	N	88	N	120	N
METAL	Beryllium	mg/kg	15	18	0.21 J	N	0.2 J	N	1.2 U	N	0.23 J	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	2.2	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	5.4	N	5.2	N	5.5	N	9.5	N
METAL	Cobalt	mg/kg	36	43	12	N	14	N	16	N	15	N
METAL	Copper	mg/kg	2499	2499	74	N	69	N	110	N	76	N
METAL	Lead	mg/kg	80	80	9.8	N	8.7	N	9.5	N	6.7	N
METAL	Mercury	mg/kg	1	1.2	0.25 U	N	0.25 U	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.88 J	N	0.75 J	N	0.75 J	N	0.62 J	N
METAL	Nickel	mg/kg	490	588	29	N	26	N	24	N	33	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	72	N	64	N	57	N	73	N
METAL	Zinc	mg/kg	4999	4999	370	N	260	N	390	N	300	N
METAL6010B	Aluminum	mg/kg	--	--	6300	--	7100	--	8900	--	8000	--
METAL6010B	Calcium	mg/kg	--	--	120000	--	110000	--	120000	--	110000	--
METAL6010B	Iron	mg/kg	--	--	5400	--	5000	--	8200	--	7500	--
METAL6010B	Magnesium	mg/kg	--	--	2600	--	2800	--	3700	--	2600	--
METAL6010B	Potassium	mg/kg	--	--	1700	--	1600	--	1900	--	1600	--
METAL6010B	Sodium	mg/kg	--	--	1500	--	1600	--	1500	--	1700	--
PBDE	PBDE-100	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-138	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-153	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-154	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-17	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-28	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-47	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-49	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-85	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PBDE	PBDE-99	ug/kg	--	--	--	--	--	--	22 U	--	--	--
PFAS	4:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	6:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.7 UJ	--	--	--
PFAS	8:2 fluorotelomersulfonate	ng/g	--	--	--	--	--	--	2.7 UJ	--	--	--
PFAS	NEtFOSAA	ng/g	--	--	--	--	--	--	4.1 UJ	--	--	--
PFAS	NMeFOSAA	ng/g	--	--	--	--	--	--	4.1 UJ	--	--	--
PFAS	Perfluorobutanesulfonate	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--

PFAS	Perfluorobutanoic acid	ng/g	--	--	--	--	--	--	2.7 UJ	--	--	--
PFAS	Perfluorodecanesulfonate	ng/g	--	--	--	--	--	--	3.4 UJ	--	--	--
PFAS	Perfluorodecanoic acid	ng/g	--	--	--	--	--	--	1.4 UJ	--	--	--
PFAS	Perfluorododecanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluoroheptanesulfonate	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluoroheptanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorohexanesulfonate	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorohexanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorononanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorooctanesulfonamide	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluoro-octanesulfonate	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorooctanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluoropentanesulfonate	ng/g	--	--	--	--	--	--	1.2 UJ	--	--	--
PFAS	Perfluoropentanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorotetradecanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluorotridecanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
PFAS	Perfluoroundecanoic acid	ng/g	--	--	--	--	--	--	1.1 UJ	--	--	--
S-METAL	Lead	mg/L	--	--	0.5 U	--	0.5 U	--	0.5 U	--	0.5 U	--
SULFIDE	Sulfide	mg/Kg	--	--	16 J-	--	16 J-	--	16 J-	--	9.9 UJ	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0026 J-	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0013 J-	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0019 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.0042 J-	--	0.0037 J-	--	0.0037 J-	--	0.0035 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.0042 J-	--	0.003 UJ	--	0.003 UJ	--	0.0029 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Chrysene	mg/kg	--	--	0.0013 J-	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0087 J-	--	0.003 UJ	--	0.003 UJ	--	0.0084 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.0022 J-	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Naphthalene	mg/kg	--	--	0.0019 J-	--	0.003 UJ	--	0.003 UJ	--	0.0096 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0081 J-	--	0.002 J-	--	0.003 UJ	--	0.021 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0074 J-	--	0.003 UJ	--	0.003 UJ	--	0.0077 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	5000	--	2700	--	880	--	160	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the updated DTSC HERO or EPA RSL levels, and were not considered.
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
APN	Assessor's parcel number
CHHSL	California Human Health Screening Levels
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HERO	Office of Human Health and Ecological Risk
J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
LMOE	Lab margin of error

mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APN **066-240-019**
13569 WICHITA DR

SDG #	1912026		Sample ID		BFI-AS-066-240-019-01		BFI-AS-066-240-019-02		BFI-AS-066-240-019-03	
Lab Name	BC Laboratories		Sample Date		04/13/19		04/13/19		04/13/19	
Analytical Group	Analyte	Unit	Tvp Unit Cleanup Goal a	Tvp Unit Cleanup Goal (with LMOE) b	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?	Result	Exceed Cleanup Goal?
ANION	Chloride	mg/kg	--	--	25 U	--	6.2	--	5	--
ANION	Fluoride	mg/kg	--	--	1.6 J	--	0.49 J	--	0.42 J	--
ANION	Nitrate as NO3	mg/kg	--	--	1.4 J	--	4.4 U	--	4.4 U	--
ANION	Sulfate	mg/kg	--	--	21 J	--	79	--	24	--
CYAN	Total Cyanide	mg/kg	--	--	0.26 J	--	0.48 J	--	0.41 J	--
METAL	Antimony	mg/kg	31	37	2.2 J	N	7.2	N	2.7	N
METAL	Arsenic	mg/kg	7.7	9.2	9 J	Y-CG	6.7	N	6.2	N
METAL	Barium	mg/kg	9999	9999	28	N	68	N	68	N
METAL	Beryllium	mg/kg	15	18	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Cadmium	mg/kg	5.2	6.2	0.62 U	N	0.62 U	N	0.62 U	N
METAL	Chromium	mg/kg	2499	2499	7.2	N	13	N	8	N
METAL	Cobalt	mg/kg	36	43	2.5 J	N	4.3	N	5.8	N
METAL	Copper	mg/kg	2499	2499	78 J-	N	140	N	2100	N
METAL	Lead	mg/kg	80	80	4.6	N	22	N	51	N
METAL	Mercury	mg/kg	1	1.2	0.12 J-	N	0.25 U	N	0.25 U	N
METAL	Molybdenum	mg/kg	390	468	0.42 J	N	0.67 J	N	0.52 J	N
METAL	Nickel	mg/kg	490	588	30	N	31	N	29	N
METAL	Selenium	mg/kg	99	99	2.5 U	N	2.5 U	N	2.5 U	N
METAL	Silver	mg/kg	390	468	1.2 U	N	1.2 U	N	0.66 J	N
METAL	Thallium	mg/kg	5	6	1.2 U	N	1.2 U	N	1.2 U	N
METAL	Vanadium	mg/kg	390	468	75	N	61	N	91	N
METAL	Zinc	mg/kg	4999	4999	150 J	N	700	N	440	N
METAL6010B	Aluminum	mg/kg	--	--	8300	--	6300	--	7800	--
METAL6010B	Calcium	mg/kg	--	--	120000	--	150000	--	150000	--
METAL6010B	Iron	mg/kg	--	--	5100	--	15000	--	8100	--
METAL6010B	Magnesium	mg/kg	--	--	4600	--	5200	--	4700	--
METAL6010B	Potassium	mg/kg	--	--	780	--	1200	--	1400	--
METAL6010B	Sodium	mg/kg	--	--	750	--	1400	--	1200	--
S-METAL	Lead	mg/L	--	--	0.5	--	0.5 U	--	0.19 J	--
SULFIDE	Sulfide	mg/Kg	--	--	63 J-	--	86 J-	--	32 J-	--
SVOA8270	Acenaphthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Acenaphthylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0024 J-	--
SVOA8270	Benzo[a]anthracene	mg/kg	--	--	0.003 UJ	--	0.0012 J-	--	0.024 J-	--
SVOA8270	Benzo[a]pyrene	mg/kg	--	--	0.0039 J-	--	0.0041 J-	--	0.02 J-	--
SVOA8270	Benzo[b]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.046 J-	--
SVOA8270	Benzo[g,h,i]perylene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.02 J-	--
SVOA8270	Benzo[k]fluoranthene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.013 J-	--
SVOA8270	Chrysene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.026 J-	--
SVOA8270	Dibenzo[a,h]anthracene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.0054 J-	--
SVOA8270	Fluoranthene	mg/kg	--	--	0.0023 J-	--	0.0035 J-	--	0.049 J-	--
SVOA8270	Fluorene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.003 UJ	--
SVOA8270	Indeno[1,2,3-cd]pyrene	mg/kg	--	--	0.003 UJ	--	0.003 UJ	--	0.019 J-	--

SVOA8270	Naphthalene	mg/kg	--	--	0.003 UJ	--	0.0018 J-	--	0.0032 J-	--
SVOA8270	Phenanthrene	mg/kg	--	--	0.0022 J-	--	0.004 J-	--	0.016 J-	--
SVOA8270	Pyrene	mg/kg	--	--	0.0018 J-	--	0.0038 J-	--	0.044 J-	--
TDS	Total Dissolved Solids @ 180 C	mg/L	--	--	5500	--	97	--	65	--

Notes

a	The cleanup goal is the lower of the TTLC, EPA RSL and DTSC HERO levels unless the background concentration is higher than the screening level. If the background concentration is higher than the screening levels, the background concentration is selected as the cleanup goal. The laboratory practical quantitation limit (PQL) for thallium is 1.0 mg/kg, which renders low confidence in achieving the EPA RSL of 0.8 mg/kg. CalRecycle selected the CHHSL of 5.0 mg/kg for thallium as a result of laboratory technical limitations and based on past fire incident experience. CHHSLs for other chemicals have been superseded by the
b	A 20% laboratory margin of error is applied to all cleanup goals except for lead and those based on TTLC concentrations.
--	Not applicable
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DTSC	California Department of Toxic Substances Control
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J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
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LMOE	Lab margin of error
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
RSL	Risk-Based Screening Levels
SDG	Sample delivery group
TTLC	Total Threshold Limit Concentration
U	The analyte was analyzed for but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality controlcriteria.
Y-CG	Result indicates over the cleanup goal but within the 20% laboratory margin of error.
Y-LMOE	Result indicates result is above both the cleanup goal and the 20% margin of error

APPENDIX B

LABORATORY RESULTS WITH CHAIN-OF-CUSTODY FORMS

APPENDIX C

TETRA TECH

STANDARD OPERATING PROCEDURES (SOP)

SOP NO.	TITLE
TT SOP No. 019	Packaging and Shipping Samples
TT SOP No. 024	Recording Notes in Field Logbooks
TT SOP No. 203	Laboratory Analytical Data Verification – Minimum Requirements