

Department of Resources Recycling & Recovery

SCOPE OF WORK *Used Oil Laboratory Testing*

I. INTRODUCTION/OBJECTIVES

As part of Senate Bill (SB) 546 of 2009, CalRecycle was directed to 1) Contract with a third-party consultant with recognized expertise in life cycle assessments (LCA) to coordinate a comprehensive life cycle analysis of the used lubricating and industrial oil management process, from generation through collection, transportation, and re-use alternatives; 2) solicit input from representatives of all used oil stakeholders in defining the scope and design of the LCA; 3) evaluate the impacts of certain components of SB 546; and 4) submit a report to the Legislature on the results and “any recommendations for statutory changes that may be necessary to promote increased collection and responsible management of used oil.”

In order to perform a robust and complete LCA, certain data must be gathered. This contract represents the work necessary to gather certain data necessary to support the work of the LCA contractor.

II. WORK TO BE PERFORMED

This contractor will perform laboratory testing services according to established methodology and provide analytical reports describing the findings of the testing for each sample provided by CalRecycle.

III. TASKS IDENTIFIED

All written deliverables are subject to the Contract Manager’s written approval. Approval will be based on completeness and fulfillment of task objectives.

Task 1. Analyze used oil samples provided by CalRecycle

Analyze used oil samples provided by CalRecycle. Utilize analytical methodology necessary to determine the following:

- Phosphorus
- Nitrogen
- Metals, including Antimony, Aluminum, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silica (SiO₂), Silicon, Silver, Sodium, Thallium, Tin, Titanium, Vanadium, Zinc, Mercury

- PCB's
- Semi-volatile Organic Compounds (SVOC)
- Volatile Organic Compounds (VOC)
- Glycols
- Sulfur
- Ash
- Water
- Hexavalent Chromium
- Density

Deliverables: Analytical Reports for each sample provided.

Timeline: Analysis is expected to be completed within 10 days of laboratory receiving the used oil samples.

Task 2. Dispose of unused samples

Contractor is expected to dispose of any unused samples or unused portions of samples according to all applicable Federal, State, and local laws.

Deliverables: Disposal of remaining oil samples.

Timeline:

IV. CONTRACT/TASK TIME FRAME

The timeframe for this project is estimated from February 1, 2013 through June 1, 2014. The timeline will follow the overall project timeline below and as amended during the course of the project.

Task	Timeframe	
	Begin	End
1. Oil Sample testing	February 2013	June 2014
2. Remaining sample disposal	February 2013	June 2014