Appendix A

Project Design Information

Appendix A – Project Design Supporting Information

City of Paramount
16400 Colorado Ave
Paramount, CA 90723
(562) 220-2036

CONDITIONAL USE PERMIT APPLICATION

For Community Development Use:

Date Filed: 9/18/19 Fee: 575.00

Case No.(s): Amendment to CUP 757

Date of Hearing: _____

By: JC

Related Items: Rso # 19:022

APPLICANT

Name of Applicant: AltAir Paramount, LLC

Mailing Address: 14700 Downey Avenue, Paramount CA 90723

Phone Number of Applicant: 562-748-4613

Email address of Applicant: KGleeson@worldenergy.net

Legal Owner of Property
(If different from applicant): _____

Owner's Address: _____

Owner's Phone Number: _____

Name of Business
(If applicable): AltAir Paramount, LLC

LOCATION

Subject property is located at 14700 Downey Avenue, Paramount CA 907

Between Rosecrans Ave and Somerset Blvd

LEGAL

Assessor's Parcel No.: 6268-005-013 Parcel Size: Approximately 66 Sq Acres sq. ft.

Legal description:
Approximately 66 Acres which is comprised of multiple Assessors Parcel Numbers

_AND USE

Existing Zoning: M1/M2 General Plan Land Use Designation: _____

Current Land Use: Renewable Fuels Refining, Storage and Distribution

If Vacant, Previous Use: _____

Number of Months Vacant: _____

REQUEST

Omission of or incomplete answers to the questions or requirements below will result in the delay of processing your application. The matters below should not be considered as a limitation upon material to be submitted, and the applicant is encouraged to include all relevant information pertaining to a request, even if not specifically called for in this application form. Remember, you as the applicant know your proposal best, so elaborate when necessary so that the Planning Commission may become fully acquainted with the request.

Proposed Use of Property and Purpose of Application

Describe in detail the nature of the business, occupation or purpose for which the building, structure, improvement, or premises are to be used and what is to be done on or with the property in the way of used and what is to be done on or with the property in the way of additional improvements. For businesses please include: days/hours of operation, number of employees, method of production, and any type of machinery or equipment used.

Conversion of existing petroleum refining (additional to CUP 757) equipment to process animal fats, greases and plant oils into renewable fuels. Supplement existing equipment with columns, pumps and other components. Operating Schedule is 24 hours / 7 Days per week. Modified units will be operated by existing and additional trained refinery employees.

JUSTIFICATION

1. Describe how the proposed use will not adversely affect properties in the surrounding area or the permitted uses thereon.

   Proposed process converts previous petroleum processing units to clean, renewable fuels processing units, improving the environment over the previous operation

2. Describe how the proposed use of the site is adequate in size and shape to accommodate said use and all yards, wall, fences, parking and loading facilities, landscaping, and other development features and requirements in order to integrate said use with uses in the surrounding area.

   Existing Refinery equipment will be used and supplemented. Facility foot print does not increase.

3. Describe how the site is served by streets and highways, which are adequate to carry the quantity and kind of traffic which will be generated by the proposed use.

   Some increased traffic is anticipated during construction, which is served by Rosecrans, Lakewood (Hwy 19), and Downy streets, and the 91, 105, 605 and 710 freeways. Traffic impacts will be analyzed in the CEQA process.

4. Describe how the use is necessary or desirable for the development of the community and is not detrimental to existing uses or permitted uses in which the use is proposed to be located.

   Project will increase renewable alternative fuel supply, increase jobs and is projected to reduce certain odors and emissions. Operation would be a positive impact to the environment compared to the previous crude refining operation.

TOP SECTION - TO BE COMPLETED IF THE APPLICANT IS NOT THE OWNER OF THE SUBJECT PROPERTY

I/We,_____owner of the above described real property, authorize_____to:

_____ Make an application for a _____ on the property heretofore described and/or

_____ Appear and act for me in my place and stead at all hearings connected with said application, either before the Planning Commission, or the City Council of the city of Paramount. He or she is authorized to take such action as he or she deems advisable in connection with said application.

Signature of Property Owner_____

Property Owner's Mailing Address_____

_____

Property Owner's Daytime Telephone No. 562-531-2060 ext 2789

AFFIDAVIT
TO BE COMPLETED BY THE APPLICANT FOR *ALL* APPLICATIONS

STATE OF CALIFORNIA }
COUNTY OF LOS ANGELES } SS:

I, Mohsen Ahmadi, being duly sworn depose and say

Agent_____
Lessee_____
That I am an owner xx of property in this petition and that the
Optionee_____
Purchaser_____

Forgoing signature, statements, and answers herein contained and the information herewith submitted are in all respects true and correct to the best of my knowledge and belief. I certify under penalty of perjury that the foregoing is true and correct.

CORRINE L. GALBEZ
Commission # 2135323
Notary Public - California
Los Angeles County
My Comm. Expires Dec 25, 2019

6/17/2019
Signature

14700 Downey Avenue, Paramount, CA 90723
Mailing Address

562-748-4681
Phone Number

Subscribed and sworn to before me
this 17th day of June 2019

Corrine L. Galbez
Notary Public

CITY OF PARAMOUNT

ENVIRONMENTAL INFORMATION FORM

(To Be Completed By Applicant)

Date Filed June 14, 2019

General Information

1. Name and address of developer or project sponsor: AltAir Paramount, LLC
   14700 Downey Avenue, Paramount CA 90723

2. Address of project: 14700 Downey Avenue, Paramount CA 90723
   Assessor's Block and Lot Number: 6268-005-013 and others

3. Name, address, and telephone number of person to be contacted concerning this project:
   Kathryn Gleeson, 14700 Downey Avenue, Paramount CA 90723 562-748-4613

4. Indicate number of the permit application for the project to which this form pertains:

5. List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state and federal agencies:
   SCAQMD Air Permits, LA County Fire Department Review and Approval, City of Paramount Building Permits, LA County Sanitation Wastewater discharge Permit, RWQCB Construction Stormwater Permit

6. Existing zoning district: M1/M2

7. Proposed use of site (Project for which this form is filed):
   Renewable Fuels processing

Project Description

8. Site size.
9. Square footage.
10. Number of floors of construction.
11. Amount of off-street parking provided.
12. Attach plans.
13. Proposed scheduling.
14. Associated project.

15. Anticipated incremental development.

16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected.

17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities.

18. If industrial, indicate type, estimated employment per shift, and loading facilities.

19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project.

20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required.

Are the following items applicable to the project or its effects? Discuss below all items checked yes (attach additional sheets as necessary).

		Yes	No
21.	Change in existing features of any bays, tidelands, beaches, lakes or Hills, or substantial alteration of ground contours.	___	X
22.	Change in scenic views or vistas from existing residential areas or public lands or roads.	X	___
23.	Change in pattern, scale or character of general area of project.	___	X
24.	Significant amounts of solid waste or litter.	X	___
25.	Change in dust, ash, smoke, fumes or odors in vicinity.	X	___
26.	Change in ocean, bay, lake, stream or ground water quality or quantity, or alteration of existing drainage patterns.	___	X
27.	Substantial change in existing noise or vibration levels in the vicinity.	___	X
28.	Site on filled land or on slope of 10 percent or more.	___	X
29.	Use of disposal of potentially hazardous materials, such as toxic substances, flammables or explosives.	X	___
30.	Substantial change in demand for municipal services (police, fire, water, sewage, etc.).	___	X
31.	Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).	___	X
32.	Relationship to a larger project or series of projects.	X	___

Environmental Setting

33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or polaroid photos will be accepted.

34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.) intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.). Attach photographs of the vicinity. Snapshots or polaroid photos will be accepted.

Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

6/14/2019
Date

Signature

Director, Environmental Services
Title

SUBMITTALS

The applicant shall file, as a part of this application:

13 prints (11" x 17") of a site plan (plot plan) and **one set drawn to an appropriate scale**, showing the following information:

A. The exterior boundaries of the subject property indicating easements, dimensions and lot size.

B. The name and width of the adjoining public and/or private street(s) providing access and/or frontage to the subject property.

C. The location, size, height and type of all structures, including signs, walls and fences and the location, size and dimensions of all yards, setbacks, and all spaces between structures.

D. The location, size and type of all doors and windows.

E. The location, dimensions, and method of improvement of all driveways, parking areas, walkways, and means of access, ingress and egress.

F. The location, dimensions, and layout of all parking areas.

G. The location, dimensions, and method of improvement of all property to be dedicated to the public or to public utilities.

H. The name, mailing address and phone number of the proposed property owner, person and/or firm preparing the building plans (plot plans, floor plans and elevations).

I. The scale to which the plot plan has been drawn and the north point (where possible the plot plan should be drawn with north oriented toward the top of the plan).

J. A detailed **floor plan** shall also be required. Such floor plans shall indicate the division and use of space within all existing and/or proposed buildings and building additions and the location doors and facilities. Floor plans may be combined with the plot plan and submitted as a single map.

Project Description

Introduction

The California Air Resources Board began implementing the Low Carbon Fuel Standard in 2011 (Title 17, California Code of Regulations, Sections 95480-95490). The Low Carbon Fuel Standard reduces greenhouse gas emissions by reducing the carbon intensity of transportation fuels used in California by at least 10 percent by 2020. Carbon intensity is a measure of the GHG emissions associated with the various production, distribution, and use steps in the "lifecycle" of a transportation fuel. It was these state requirements that resulted in a partnership between the Paramount Petroleum Refinery and AltAir to produce renewable fuels [1]at the Paramount Refinery.

AltAir has been in partnership with Paramount Petroleum since 2013, when the Paramount Refinery began the process of converting portions of their oil refinery into renewable fuels products, under the Paramount Petroleum AltAir Renewable Fuels Project (Renewable Fuels Project). This Project resulted in the repurposing and modification of existing refinery equipment, primarily the No. 5 Hydrodesulfurization Unit (No. 5 HDS), and the Isomerization Unit as well as some auxiliary treating, vessels, reactors, and stripping units to produce renewable diesel, jet fuel, and naphtha, as well as fuel gas for the heaters and boilers in the processing units from beef tallow and non-edible vegetable oils. The initial CEQA and permitting efforts were approved by the City of Paramount under Conditional Use Permit (CUP) 757, and new and modified air permits issued by the South Coast Air Quality Management District (SCAQMD). CUP modifications and SCAQMD permit modifications were made as the project continued to evolve, with the most recent modification approval occurring in November 2015. Construction of the initial modifications to the Paramount Refinery to produce renewable fuels occurred between 2014 and 2015, and the facility began producing Renewable Fuels in 2016.

Since that time, World Energy purchased AltAir and the Paramount Refinery, and AltAir became a wholly-owned subsidiary of World Energy. World Energy is a global leader in low-carbon transportation fuels production. Under World Energy, AltAir proposes to complete the conversion of the Paramount Refinery into one of the cleanest fuel production facilities in the world by only manufacturing renewable fuels.

AltAir's renewable products provide a cleaner source of energy in support of California and Federal Low Carbon Fuel Standards. The goals of the standards are to reduce carbon intensity of transportation fuels, complement other state measures for reducing greenhouse gases, transform and diversify the transportation fuel pool, reduce petroleum dependency, and reduce overall air emissions. AltAir's fuels meet all regulatory and commercial specifications without requiring engine modification, while securing a renewable alternate energy source. AltAir currently supplies renewable gasoline, diesel and jet fuel to fleet services such as UPS, United Airlines, and the Department of Defense, reducing the truck and airline emissions.

AltAir is now proposing to revise the Renewable Fuels Project to include a more comprehensive conversion of the refinery. [2]The Renewable Fuels Project, as revised in this application, will convert the remainder of the 39,500 barrel per day crude oil refinery into a 20,000 barrels per day renewable fuels production facility. [1]This conversion will: eliminate the refining of crude oil; support global production of renewable jet fuel, diesel, gasoline and propane; reduce both refinery and mobile fuel emissions; and will add approximately 30 to the current 100 advanced, green economy jobs.

The Paramount Facility resides on a 66-acre complex and includes refinery processing units, renewable fuel processing units, over 1.7 million barrels of product storage; truck loading and unloading facilities; and railcar loading and

[1] Renewable fuels are fuels derived from plants (i.e., vegetable oils) and animal fats rather than fossil fuels
[2] On barrel is equivalent to 42 gallons

unloading facilities. The current renewable fuels operation has been in continuous production since January of 2016, with customers including major fuel users such as the Department of Defense, United Airlines, Boeing, UPS and several California municipalities and school systems.

Previously Approved Renewable Fuels Project

The Renewable Fuels Project allowed the facility to convert up to 3,500 barrels per day of non-edible vegetable oils and beef tallow into renewable fuels, including aviation (jet), diesel, naphtha (gasoline), and fuel gas. The project involved the modification of certain existing refinery equipment, including the addition of new vessels and reactors. The previously approved project resulted in the following modifications:

- **Rail Unloading Facilities.** The existing rail unloading rack was modified to add an off-loading manifold, pump, and piping to unload up to 25 railcars per delivery of tallow and vegetable oil.
- **First Stage Processing – Renewable Fuels Feed Pretreatment and Deoxygenation (Renewable Fuels Unit A).** The first stage process was developed using two reactors to remove particulates and trace contaminants from the feed and then remove the oxygen. The feed is heated and then separated, with gases going to the amine scrubbing system to be cleaned for fuel usage; and liquid products (i.e., green paraffinic diesel) going to a stripper tower and then to the Second Stage Processing unit; and residual water going to the existing wastewater treatment system.
- **Second Stage Processing – Renewable Fuels Isomerization Process (Renewable Fuels Unit A).** The second stage process was designed to hydrocrack, isomerize, and fractionate the green paraffinic diesel from the First Stage Processing and produce renewable jet fuel and diesel, as well as naphtha and LPG. Most of the second stage process, including vessels, heaters, exchangers, pumps, piping, and fugitive components, were repurposed refinery equipment from the No. 5 HDS Unit and the Isomerization Unit. The fractionation of the second stage reactor effluent into finished products takes place in a fractionation tower that was repurposed from the naphtha hydrotreater. Vessels, pumps, and heat exchangers associated with the fractionation tower were repurposed from other units in the complex.
- **Naphtha Stabilization Unit.** The lightest products produced in the Renewable Fuel Units are naphtha and gases. The naphtha stabilizer separates the lighter gas components from the renewable naphtha so that stabilized (less volatile) renewable naphtha can be blended into a renewable gasoline. The lighter gases go into the fuel gas system.
- **Acid Gas Disposal.** Acid gas is gas that contains Hydrogen Sulfide (H_2S). The acid gas treatment system consists of an Amine Scrubber that removes H2S from the gas so that it can be used for fuel gas. For the Renewable Fuels Project, the amine solution used in the amine treating unit was replaced with a different amine solution that can remove both hydrogen sulfide and carbon dioxide (CO_2). Treated gases go into the fuel gas system. The acid gas, laden with the H2S and CO2 go to an incinerator, where the H2S is converted to Sulfur Dioxide (SO2). The SO2 is then scrubbed out with a caustic solution.

  A stand-alone caustic scrubber and incinerator system is available as a back-up for the incinerator and scrubber system. This caustic scrubber scrubs the acid gas first and then sends it to its associated incinerator.

- **Storage Tanks.** The Renewable Fuels Project did not require any new storage tanks. However, storage tank permits were modified as needed to allow for the storage of the feed material and renewable products.

- **Hydrogen.** Additional hydrogen was required for the Renewable Fuels Program in both the first and second stage reactors. Liquid hydrogen was delivered to the facility via truck, stored, and then converted to gas as needed to provide hydrogen to the Renewable Fuels Project. The hydrogen system included three 18,000 gallon capacity storage tanks.

- **Finished Jet Fuel.** Renewable jet fuel is blended with conventional jet fuel to make the finished product. Conventional jet fuel is brought into the facility and stored in existing storage tanks for blending with the produced Renewable jet fuel.

Table 1 summarizes the changes made to the refinery as part of the Renewable Fuels Project, and well as those proposed under the currently revised Renewable Fuels Project.

TABLE 1

Comparison of Renewable Fuels Project and Revised Renewable Fuels Project

Renewable Fuels Project	Revised Renewable Fuels Project
Only technical grade feed material is processed on site.	Additional raw feedstocks will be available for Renewable Fuels Units A and B
No pretreatment is required for technical grade feed material	A pretreatment unit will be added so that a greater variety and grade of feed materials can be processed
Renewable Fuels Unit A	Expand Renewable Fuels Unit A. Install New Renewable Fuels Unit B.
Liquid hydrogen supplied via truck and converted to gas and then compressed by a hydrogen compressor	Install New Hydrogen Generation Unit and New Hydrogen Recovery Unit. Bring in hydrogen via pipeline
Use Existing Wastewater Treatment System	Upgrade Wastewater Treatment System to handle increased process generation wastewater.
Collected propane and butane mainly for use as facility fuel gas	Install a Propane Recovery facility to recover propane and butanes from process gases.
Amine Scrubber was modified to use a different amine solution and sour gas from the amine treating unit was to routed H-907 incinerator and caustic scrubber for sulfur removal. Sulfide agent purchased for processing needs	New Hydrogen Sulfide Recovery Unit to remove hydrogen sulfide from acid gas and return it to the renewable fuel process units reducing purchases and truck trips of sulfiding agent, as well as acid gas flow to the incinerator.
Sour water (water containing hydrogen sulfide and ammonia) is handled in Sour Water Stripper	A second Sour Water Stripper will be installed for hydrogen sulfide and ammonia removal from sour water
Storage Tank Modifications – repurpose existing tanks	Repurpose additional existing storage tanks.
Modify rail unloading rack to unload tallow and vegetable oil	Existing asphalt loading and unloading rail facilities will be converted to transfer renewable fuels. New rail track internal to the facility will be installed.
Use existing truck loading racks	Truck loading racks will be converted from asphalt to renewable fuels to support new operation.
Use existing boiler feed water system	New water treatment unit for boiler feed water used at the Hydrogen Generation Unit.
Use existing boilers for steam.	Use steam produced in Hydrogen Generation Unit supplemented by Cogen Plant steam. Use existing boilers as back up.
Use existing cooling towers	Return two existing cooling towers to service. Add new cooling tower for Hydrogen Generation Unit.
Use existing flare system for Renewable Fuels Unit A	New flare to serve Hydrogen Generation Unit, Renewable Fuels Unit B and other new support units.
Use existing plant air compressors (C-055 and C-001)	Upgrade Compressor C-055 with new air-drying package. Replace existing air compressor (C-001) with two new compressors.
Use purchased nitrogen for nitrogen blanketing	Install a new nitrogen generation skid to produce nitrogen onsite, supplemented by purchased nitrogen.

Revised Renewable Fuels Project

The revised Renewable Fuels Project is being proposed to more comprehensively convert the Paramount Refinery to renewable fuels. Existing refinery equipment will be used to the extent possible and new equipment will be brought in as needed. Some existing refinery equipment will be eliminated in areas where new equipment is needed. Several upgrades are being included that will improve efficiencies and reduce emissions throughout the operation. As revised, the Renewable Fuels Project consists of the following processing systems.

- A new Pretreat Unit to condition the raw feed materials for the new and modified Renewable Fuel Units.
- The existing Renewable Fuels Unit A will be upgraded to more efficiently produce renewable diesel, jet fuel and gasoline. The unit also produces gases that will be used to fuel heaters and boilers,
- Renewable Fuels Unit B will be installed to produce additional renewable diesel, jet fuel and gasoline. The unit will also produce gases that will be used to fuel heaters and boilers.
- A Hydrogen Generation Unit to reduce or eliminate the need to use trucks to transport hydrogen for production use. An existing crude oil pipeline is also being converted to obtain hydrogen supply from an off-site source and for potential distribution of excess hydrogen from the hydrogen generation unit.
- A Hydrogen Recovery Unit to recover hydrogen currently directed to the fuel gas system and recycle it back to the production process.
- A Propane Recovery Unit to recover and separate renewable propane and mixed butanes for sale or use in renewable gasoline blending. Currently, propane and butane are currently mainly directed into the fuel gas system. The renewable fuel gas generated after propane and butanes recovery from the units will be supplemented with natural gas if needed to meet the fuel gas demand.
- A Flare and flare vapor recovery system to service the Hydrogen Generation Unit and Renewable Fuel Unit B.
- A Hydrogen Sulfide Recovery Unit to recover and reuse hydrogen sulfide, which is needed in the production process. The current operation uses the sulfide but generates an off-gas which is then treated by incineration and scrubbing. Recycling of the hydrogen sulfide will allow for greatly reduced truck trips of new sulfide material as well as reduced off-gas that must be treated.
- Additional Wastewater Treatment facilities for additional wastewater generated by the additional processing.
- Existing railcar and truck loading and unloading facilities (mainly, racks previously used for asphalt) will be modified for the Renewable Fuels operation. No new product storage tanks or truck racks will be constructed. Railcar loading and unloading facilities will be modified for the variety of raw materials and products that are needed for the Renewable Fuels operation.
- Other miscellaneous additions and/or changes to existing refinery facilities and utilities.

Figures 1 and 2 show a simplified, post-project overall process block flow diagram and a preliminary plot plan. The following material describes the project modifications in more detail.

PROCESSING UNITS

Pretreat Unit

Under the revised Renewable Fuels Project, a new Pretreat Unit will be built to allow AltAir to receive and process a greater variety of raw materials. Raw feedstock, including animal fats, greases and vegetable oils, including used cooking oils, will be unloaded from railcars or trucks and sent to storage tanks. This feed requires conditioning to remove various gums and other contaminants that would adversely impact catalysts and other performance aspects of the Renewable Fuel Units. The new Pretreat Unit is a commercial process developed specifically for the animal fat and vegetable oil industry. This unit will be configured in two series of equipment to treat up to the capacity of the processing units. After conditioning, pretreated feedstock will be stored in the Pretreated Feed Tanks before processing in the Renewable Fuels Units.

Existing Renewable Fuel Unit A

The Renewable Fuels Project resulted in the conversion of the No. 5 HDS Unit and portions of the isomerization unit into the Renewable Fuels Unit A, capable of producing up to 3,500 barrels per day of renewable fuels. The revised Renewable Fuels Project will modify the Renewable Fuel Unit A to increase efficiency and capacity. The unit currently consists of: (1) reaction to remove impurities and add hydrogen; (2) fractionation to separate products; and (3) stabilization to separate gases from the light liquids (naphtha). In the first step, the feed is hydrotreated and oxygen and minerals are removed. The feedstock is then sent to the reactors where it reacts with hydrogen in the presence of various catalysts to convert the feed into hydrocarbons that will eventually meet the specifications for the renewable fuel products produced by the facility. The fractionator section separates the reactor products into renewable diesel, jet fuel, mixed naphtha, LPG, and fuel gas. A Naphtha Stabilizer Unit separates the lighter components from the naphtha so that stabilized (less volatile) renewable naphtha can be blended into renewable gasoline (see Figure 1 - Block Flow Diagram). The unit will be expanded by adding a pretreatment reactor, potentially a second isomerization reactor, and some additional supporting equipment (separator, surge drum, spare compressor, flash drums, piping, etc.)

Renewable Fuel Unit B

Renewable Fuel Unit B will be a new unit using available equipment onsite (e.g., existing heaters, reboilers, compressors, Isomerization Reactor No. 1, stripper, product fractionator, vessels and drums), and supplemented with new equipment (Isomerization Reactor No. 2, pretreatment reactors, deoxygenation reactors, stripper, amine absorber, separators, piping, etc.). Renewable Fuel Jet Fuel Unit B will have an identical process configuration as existing Renewable Fuel Unit A, consisting of: (1) reaction to remove impurities and add hydrogen; (2) fractionation to separate products; and (3) stabilization to separate gases from the light liquids (naphtha). The feedstock and operation of the new Renewable Jet Fuel Unit B will be the same as the modified Renewable Fuel Unit A. In the first step, the feed is hydrotreated and oxygen and minerals are removed. The feedstock is sent to the reactors where it reacts with hydrogen in the presence of various catalysts to convert the feed into hydrocarbons that will eventually meet the specifications for the renewable fuel products produced by the facility. The fractionator section will separate the reactor products into renewable diesel, jet fuel, mixed naphtha, and fuel gas. The Naphtha Stabilization Unit and New Propane Recovery Unit will be shared between the Renewable Fuels Units A and B (see below).

Naphtha Stabilizer Unit / Propane Recovery

The lightest products produced in the Renewable Fuel Units are naphtha and gases. The naphtha stabilizer separates the lighter gas components from the renewable naphtha so that stabilized (less volatile) renewable naphtha can be blended into a renewable gasoline. This unit was oversized for the existing unit, so it will be more efficient when

serving both units. The Renewable Fuels Project mainly collected these gases and used them as process fuel gas. Under the revised Renewable Fuels Project, new Propane Recovery facilities will be added to the stabilizer unit to recover propane and butanes from the gas streams generated in Renewable Fuel Units A and B. Recovered product can be blended into renewable gasoline products or sold as product.

SUPPORT FACILITIES

Hydrogen Supply

Hydrogen is used to saturate unfinished renewable diesel during the reaction and fractionation process. As originally proposed, the Renewables Fuels Project relied on trucks to deliver the hydrogen needed for the refining process. Operations to date have shown that up to four truckloads per day are required to supply the hydrogen needed at full renewable fuels production rates. Now with the revised Renewables Fuels Project, additional hydrogen will be required. Therefore, a new 50 million standard cubic feet (mmscf) per day Hydrogen Generation Unit will be installed to provide a reliable source of hydrogen to the Renewable Fuel Units. The Hydrogen Generation Unit will utilize steam/methane reforming (SMR) technology to produce high-purity hydrogen and steam on-site from purchased natural gas and renewable gas. This unit includes replacing several older heaters with one new reformer heater equipped with a selective catalytic reduction (SCR) unit, and a new elevated flare.

Additionally, an existing crude oil line is being converted to hydrogen use for additional supply if needed or to direct excess generated hydrogen back out into the supply system.

Hydrogen Recovery Unit

In the current Renewable Fuels Units, gas produced from the Renewable Fuel Units hydrotreating reaction section is treated in the fuel gas treatment system before blending into the fuel gas system. This gas contains a significant quantity of hydrogen and propane. Therefore, in addition to the propane recovery unit, the proposed modifications to the Renewable Fuels Project will install a system to recover hydrogen so it can be re-used in the renewable fuel process. Recycling this gas will decrease the amount of fresh hydrogen needed from the Hydrogen Generation Unit.

Hydrogen Sulfide Recovery Unit

Hydrogen sulfide is generated when a sulfide agent is added to control the chemical reaction taking place in the process reactors. The hydrogen sulfide does not stay in the reactor but is discharged with other gases produced by the unit and goes into the fuel gas treatment system.

Under the existing Renewable Fuels operation, process gases are treated in the fuel gas treatment system and returned to the process to be used as fuel for the heaters and boilers. Carbon dioxide and hydrogen sulfide are removed from the fuel gas and currently flows to an incinerator that converts the hydrogen sulfide to sulfur oxides and then through a caustic scrubber to remove residual amounts of sulfur oxides components before discharging to the atmosphere.

The modifications to the Renewable Fuels Project will recycle the hydrogen sulfide to the processing units where it can be re-used in the reactors as the sulfide agent to maintain the controlled reaction. Off-gas from the upgraded fuel gas treatment system (see below) will be first directed to a new Hydrogen Sulfide Recovery unit. The unit will consist of multiple contactors and regenerators using a proprietary formulation of amine solution that will preferentially absorb hydrogen sulfide while allowing carbon dioxide to pass through. The carbon dioxide rich gas will be sent to the incinerator and caustic scrubber, while the hydrogen sulfide-rich gas will be returned to the renewable fuel process units. This recycling scheme ultimately reduces the required amount of purchased sulfiding agent that is commonly used for this purpose and reduce the truck trips for those deliveries.

Wastewater Treatment

The Renewable Fuels Project generated wastewater from the existing renewable Fuel Unit A. The existing wastewater treatment system was sufficient to treat the wastewater generated by existing Renewable Fuel Unit A. Under the revised Renewable Fuels Project, the Pretreat Unit for the Renewable Fuel process will be constructed and will generate approximately 52 gallons per minute of wastewater with a higher biological oxygen demand than the current operation. For this reason, additional wastewater treatment facilities will be installed to augment the current wastewater treatment system.

The additional facilities will consist of gravity solids and oil/aqueous phase separation with a separator, a dissolved gas flotation unit, and an enclosed/blanketed anaerobic biological treatment system. Additional aerobic treatment will be installed, if needed. Both the gas flotation unit and biotreatment system will be totally enclosed and blanketed with renewable fuel gas or nitrogen to prevent emissions to the atmosphere or release of odors.

Separated solids from this unit will be collected and disposed at approved offsite disposal facilities. Separated renewable oils will be recycled to the processes as much as practical. Incompatible oily wastes will be disposed at approved offsite disposal facilities. Treated wastewater will be discharged to the Los Angeles County Sanitation District industrial sewer. A modification to the existing Industrial Waste Discharge Permit is expected to be required from the Los Angeles County Sanitation District because of the additional treatment facilities and increase in wastewater discharge associated with the project. AltAir is also reviewing potential methods of treatment and re-use of process water generated on site.

Fuel Gas Treatment

As originally proposed, the Renewable Fuels Project included a Naphtha Stabilizer Unit; however, the stabilization unit capacity was oversized, and the actual operation mainly collected light gases and used them as process fuel gas. Under the revised Renewable Fuels Project, the Naphtha Stabilizer Unit will be efficiently shared by both units and Propane Recovery facilities will be installed to recover propane and butanes.

Under the Renewable Fuels Project, the fuel gas treatment system takes gas produced by the units and use an amine product to absorb hydrogen sulfide and carbon dioxide. The amine is "regenerated" by steam, which strips the hydrogen sulfide and carbon dioxide out of the amine, so the amine can be reused. With more gas being produced under the revised Renewable Fuels Project, the existing system will be refurbished and augmented with an additional amine absorption tower and regeneration system to hand the increased gas stream.

Other Project Changes

Sour Water Stripper

The renewable fuels production process currently generates water that contains hydrogen sulfide and ammonia (sour water) that is treated by "stripping" the hydrogen sulfide and ammonia out of the water with steam. With additional production, sour water effluent will also increase. As part of the revised Renewable Fuels Project, a second sour water stripper column will be installed to handle this increased flow. Treated water will be discharged to the wastewater treatment system.

Tankage and LPG Storage

The existing facility has sufficient storage capacity and therefore no new product tanks are required for the revised Renewable Fuels Project. Tanks will be re-purposed as needed for modified service. Tankage required for the revised project includes pretreat unit feed storage (e.g., animal fat and vegetable oil derivatives); pretreated Renewable Fuel

Units feed storage; produced renewable naphtha, jet fuel, diesel, and blendstocks including biodiesel, diesel, jet fuel, ethanol, iso-octane, intermediate and final products, and utilities, i.e., firewater and wastewater. New pumps and associated piping will be installed as needed. Each tank in raw and pretreated Renewable Fuel Units feed service will be provided with an inert blanketing system, steam heat exchangers and carbon filters to minimize any potential odors.

The existing LPG storage currently consists of five horizontal, pressurized storage tanks (referred to as bullets). No new LPG bullet storage will be required. Piping modifications at the existing bullets will be completed as part of the revised Renewable Fuels Project to permit the independent storage of propane and mixed butane products.

Railcar Unloading

As part of the Renewables Fuel Project, modifications were made to the rail unloading rack to add an off-loading manifold, pump, and piping to unload up to 25 railcars per delivery of tallow and vegetable oil (with up to two deliveries per day). Under the revised Renewable Fuels Project, rail logistics will be required for up to 50 railcars per day of feedstock and blend materials to be unloaded. Therefore, existing asphalt loading and unloading facilities will be converted to support the revised Renewable Fuels Project.

New rail track internal to the facility is planned both for the operation and due to the Metropolitan Transportation Authority's (MTA) plan for new light rail in Los Angeles County, which will displace the facility's outer-most onsite track, which is currently used for railcar storage. These track modifications require approval by the rail provider, Union Pacific, and MTA. Secondary containment will be installed for the railcar unloading and loading activities. Fire protection will also be installed as required by the fire department.

Truck Loading and Unloading

Existing truck loading and unloading racks will be modified as part of the revised Renewable Fuels Project to accommodate the renewable fuels operation. In general, existing asphalt truck racks will be converted to feed, blendstock and product receipts and sales. Vapor recovery for loading racks will be modified as needed. No additional truck racks will be required at the facility. Anticipated truck trips will increase compared to the 2011 baseline for the Renewable Fuels Project baseline.

Utility and Support Systems

Boiler Feed Water

Water used for steam production at the hydrogen plant will be required to be pretreated to protect the boiler and piping of the new Hydrogen Generation unit. As part of the revised Renewable Fuels Project, a new boiler feed water treatment system will be installed. Condensate from the process units will be collected for reuse.

Steam

The facility currently produces steam using one or two of three renewable gas-fired steam boilers. The current demand is presently supplied by a single boiler operation with a second unit on hot standby.

Once the revised Renewable Fuels Project is completed, the new Hydrogen Generation Unit will supply most of the steam requirements for process units and tankage. The existing Cogeneration Unit will also be used to supply steam

for the revised Renewable Fuels Project. And, two of the three existing boilers will be kept on hot standby[3] to provide additional steam as necessary.

All boilers to be used under the revised Renewable Fuels Project will be connected to air pollution control devices that will reduce nitrogen oxides (NOx) emissions below the previous operation levels.

Fuel Gas

The existing facility fuel gas system includes two mix drums. Under the revised Renewable Fuels Project, all renewable fuel gas remaining after Propane Recovery will be consumed by the process units, with natural gas supplementing the fuel gas mix drums as needed.

Cooling Tower

The existing process currently operates two cooling towers, consisting of tower cell and water circulation pumps. One cooling tower supports the existing renewable fuel unit. The second cooling tower supports the intermittent operation of the natural gas compressor.

Under the revised Renewable Fuels Project, two additional existing cooling tower systems will be returned to service to provide cooling water for the new Pretreat Unit and the balance of the plant requirements.

Flare System

The existing facility hydrocarbon flare will continue to serve the existing Renewable Fuel Unit A and other processing areas. Under the revised Renewable Fuels Project, a new smokeless hydrogen-hydrocarbon elevated flare is planned to serve the Hydrogen Generation Unit and the new Renewable Fuels Unit B. The new flare will be located near the Hydrogen Generation Unit.

Plant and Instrument Air

An existing approximately 1,000 standard cubic feet per minute (SCFM) plant air compressor (C-055) will continue to be used but will be modified with a new air-drying package as part of the revised Renewable Fuels Project.

An older 800 SCFM plant air compressor and dryer package (C-001) will be replaced with two new 1,000 SCFM compressor and dryer packages to provide instrument/plant air. The new configuration provides two operating compressor-dryer units to meet the air demand for the entire plant, with the third compressor as a standby spare.

Nitrogen Generation

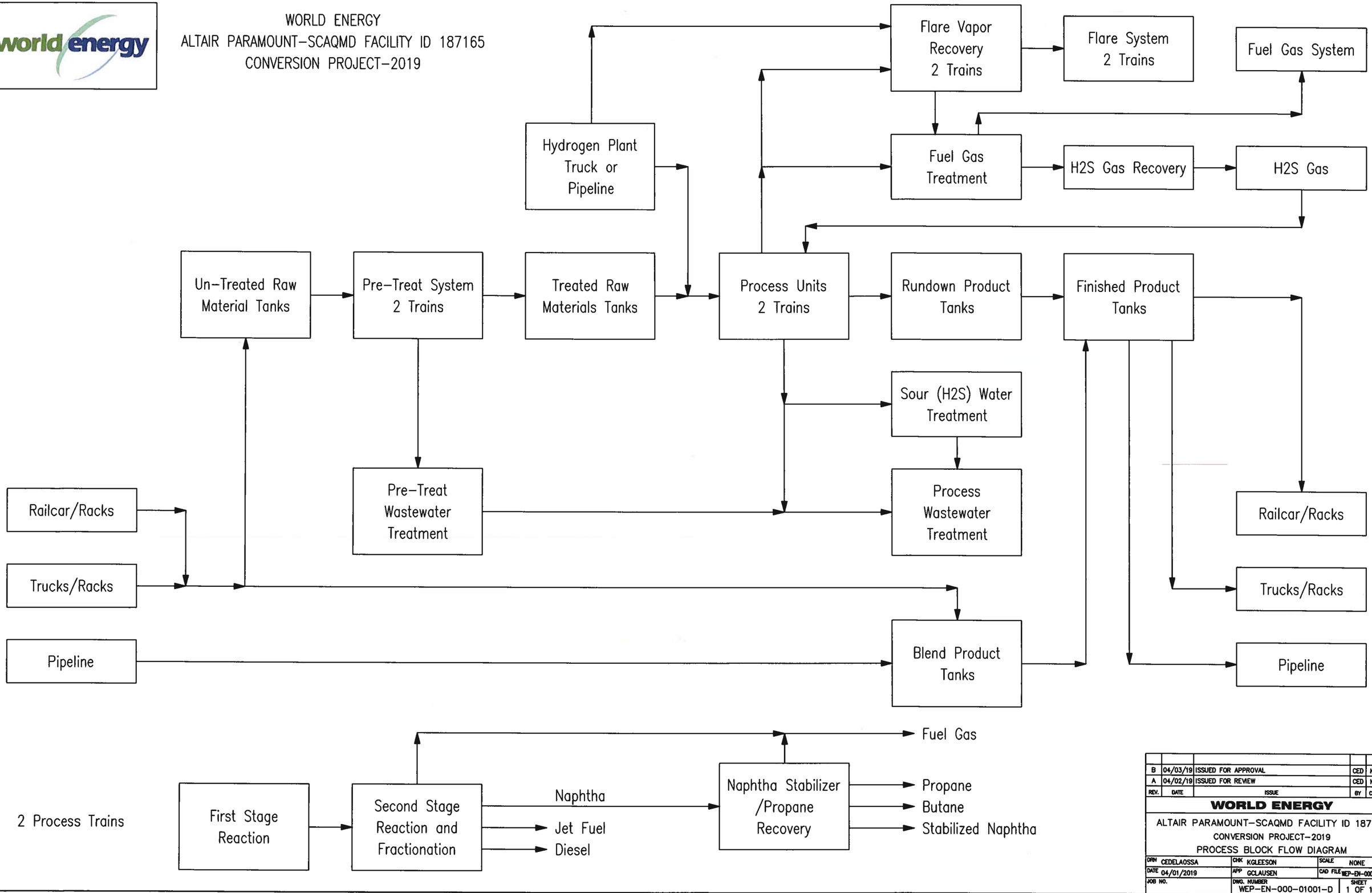
Under the existing Renewable Fuels Project, nitrogen is purchased and stored in an existing tank for use in nitrogen blanketing raw feed stock tanks to minimize the potential for odors. Under the revised Renewable Fuels Project, a new nitrogen generation skid will be installed. Nitrogen is primarily used continuously in the raw feed stock tanks as inert blanketing to reduce volatile organic and potential odor emissions. High purity nitrogen will be separated from air inside a distillation column at cold (cryogenic) temperatures and continue to be used for nitrogen blanketing to minimize emissions and odors. The existing nitrogen vaporization system for purchased nitrogen will be used as a backup to the Nitrogen Generation Unit.

Construction Schedule

[3] Hot standby means the boiler is operating at minimum conditions to be ready to ramp up quickly to meet steam demand in the event the primary supply goes offline unexpectedly.

AltAir expects to begin construction as soon as all permits have been obtained. AltAir will modify existing equipment, demolish unused equipment that is located where new equipment will be placed, idle-in-place unused equipment, and install new equipment as detailed above. Construction activities are expected to occur over a 25-month period. The demolition activities are expected to occur in the first 10 months of the project and overlap the 19 months of construction activities.

WORLD ENERGY
ALTAIR PARAMOUNT–SCAQMD FACILITY ID 187165
CONVERSION PROJECT–2019



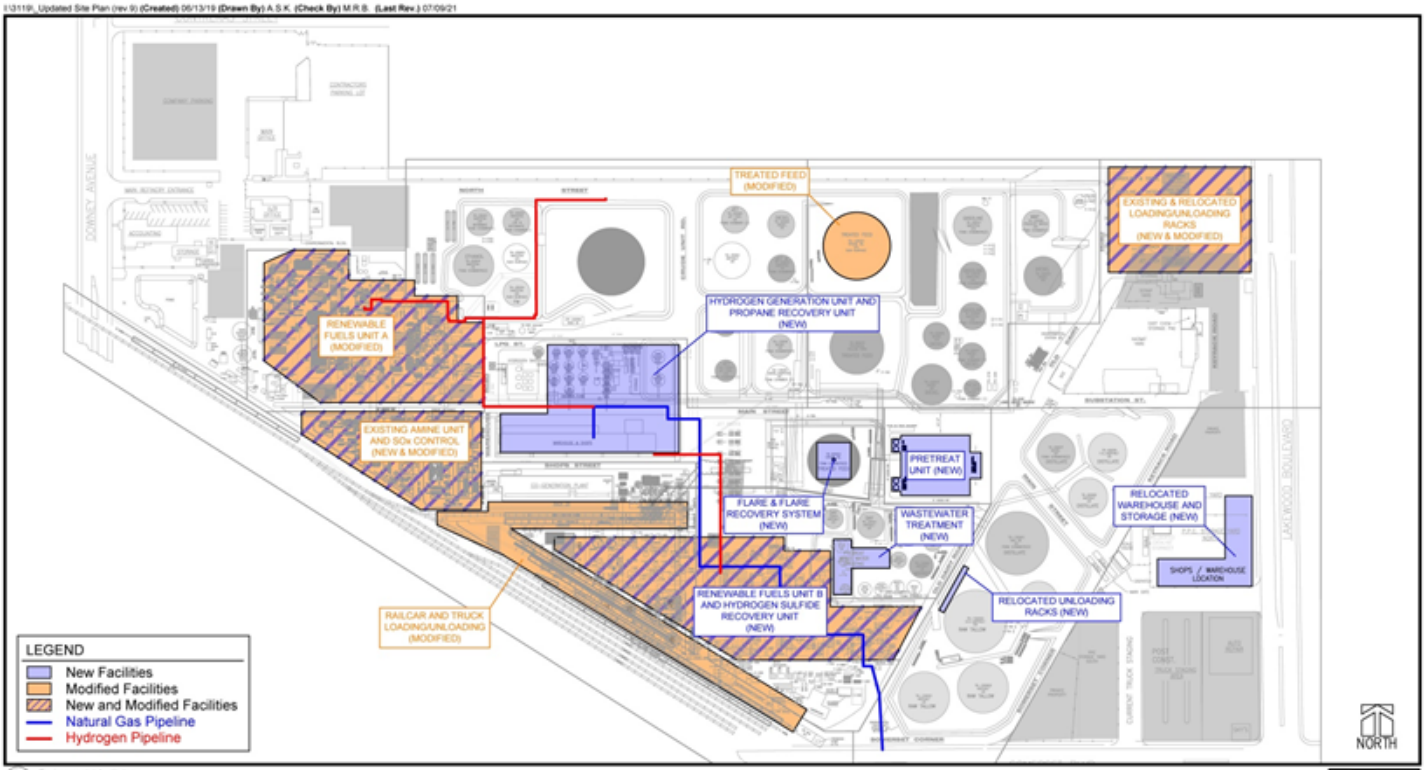
REV.	DATE	ISSUE	BY	CHK	APP
B	04/03/19	ISSUED FOR APPROVAL	CED	KG	GC
A	04/02/19	ISSUED FOR REVIEW	CED	KG	GC

WORLD ENERGY

ALTAIR PARAMOUNT–SCAQMD FACILITY ID 187165
CONVERSION PROJECT–2019
PROCESS BLOCK FLOW DIAGRAM

DRN CEDELAOSSA	CHK KGLEESON	SCALE NONE	
DATE 04/01/2019	APP GCLAUSEN	CAD FILE WEP–EN–000–01001–D	
JOB NO.	DWG. NUMBER WEP–EN–000–01001–D	SHEET 1 OF 1	REV. B

I:\3119_Updated Site Plan (rev 9) **(Created)** 05/13/19 **(Drawn By)** A.S.K. **(Check By)** M.R.B. **(Last Rev.)** 07/09/21



Environmental Audit, Inc.

PRELIMINARY PLOT PLAN
Paramount Petroleum Alt Air Renewable Fuels Project

Project No. 3119

Figure 2-2

CONTRERAS STREET

DOWNEY AVENUE

COMPANY PARKING

CONTRACTORS PARKING LOT

MAIN OFFICE

MAIN REFINERY ENTRANCE

H/R OFFICE

TRAINING DEPT.

ENVIRONMENTAL BLDG.

ACCOUNTING

STORAGE

POND

R.R. SPUR

NORTH STREET

LPG ST.

HYDROGEN SKID

EMULSION PLANT

MAIN STREET

WAREHOUSE ROAD

OFFICE-SHOPS & STORAGE
PURCHASING & MAINTENANCE

SHOPS STREET

CO-GENERATION PLANT

SPUR ST.

AB ALLEY

CRUDE UNIT RD.

CRUDE UNIT

HYDRO ROAD

LABORATORY ST.

ASPHALT SPECIALTIES

FWA PLANT

SCOT UNIT

COMPRESSOR HOUSE

OLD DAIRY ROAD

SOMERSET CORNER

SOMERSET BLVD.

KEYRACK ROAD

SUBSTATION ST.

SCRAP YARD

EAST CHEM STORAGE PAD

HAZMAT YARD

P.P.C. STORAGE YARD

P.P.C. STORAGE YARD NORTH

SCALE HOUSE

DISPATCH

MAIN GATE

PPC STORAGE YARD SOUTH

PRIVATE PROPERTY

TRUCK STAGING AREA

AUTO REPAIR

SKY'S

LAKEWOOD BOULEVARD

GRAPHIC SCALE: 1"=100'

100' 0' 100' 200'

REV.	DATE	ISSUE	BY	CHK	APP
1	01/14/18	AS BUILTS	VC	DZ	FH
0	02/02/09	AS BUILTS	KS	BK	FH

ALTAIR PARAMOUNT

PARAMOUNT REFINERY
PLOT PLAN
HAZMAT GRID

DRN	CHK	SCALE	1"=100'-0"
DATE	APP	CAD FILE	PPCPLOT100
JOB NO.	DWG. NUMBER	SHEET	REV.
	PPCPLOT100		1

AltAir Paramount
A worldenergy COMPANY

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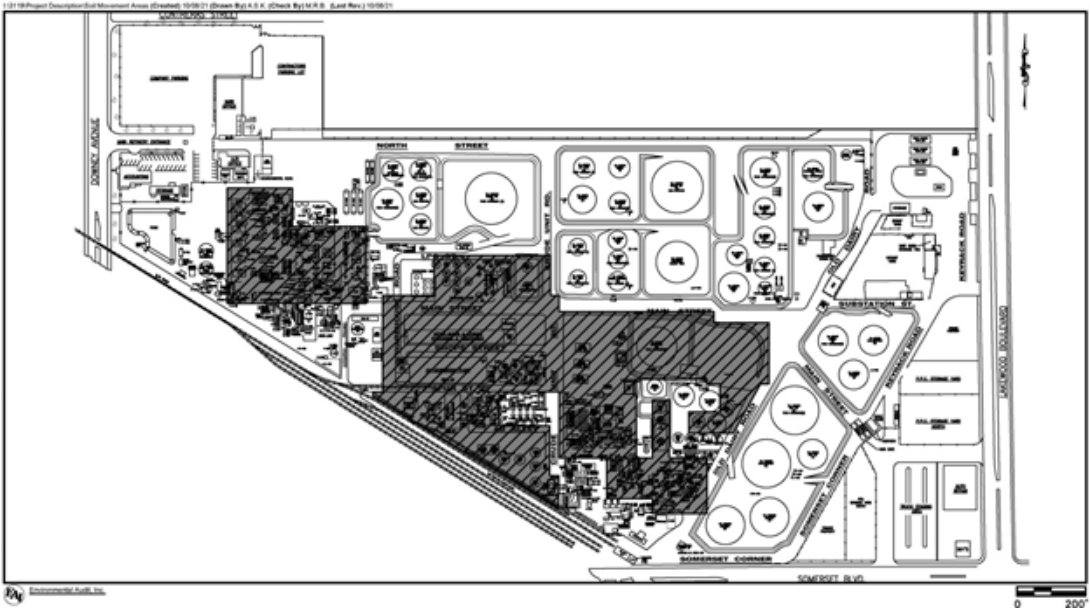
I:\2119\Project Description\Soil Movement Areas (Created) 10/08/21 (Drawn By) K.S.K. (Check By) M.R.B. (Last Rev.) 10/08/21
DONNIE AVENUE
NORTH STREET
SUBSTATION ST.
KENTRACK ROAD
LAKEWOOD BOULEVARD
SOMERSET BOULEVARD
SOMERSET CORNER
Environmental Audit, Inc.
0
200

Title VPermit Section	Descriiption	Project Permit Action
P01-S1	Crude Atmospheric Distillation Unit No. 1	Cancel
P01-S2	Crude Atmospheric Distillation Unit No. 2	Cancel
P01-S3	Crude Distillation Heaters	Cancel
P01-S3	Heater H-801	Cancel
P01-S3	Heater H-802	Cancel
P01-S3	Heater H-805	Cancel
P01-S3	Heater H-860	Cancel
P01-S3	Heater H-601	Cancel
P01-S3	Heater H-602	Cancel
P01-S4	Light Naphtha Fractionation Unit	Cancel
P01-S5	Crude Vacuum Distillation Unit No. 1	Cancel
P01-S6	Crude Vacuum Distillation Unit No. 2	Cancel
P01-S8	Selective Catalytic Reduction - B7/B8/B9	Modify
P01-S9	Crude Unit Feed Desalter	Cancel
P02-S1	Naphtha Hydrotreating #1 HDS	Cancel
P02-S2	Heaters - H101 - SSM Provision	Modify
P02-S2	Heaters - H102 - SSM Provision	Modify
P02-S2	Heaters - H501/H502 - SSM Provision	Modify
P02-S2	Heaters - H301	Cancel
P02-S2	Heaters - H302	Cancel
P02-S4	Gas Oil Hydrodesulfurization Unit #3 HDS	Cancel
P02-S5	Selective Catalytic Reduction	No Change
P02-S6	Naphtha Splitter	Cancel
P02-S7	Stabilization Unit - PRU/Naphtha	Modify
P03-S1	Catalytic Reforming Unit	Cancel
P03-S2	Heaters - H303	Cancel
P03-S2	Heaters - H304	Cancel
P03-S2	Heaters - H305	Cancel
P03-S2	Heaters - H306	Cancel
P03-S3	Selective Catalytic Reduction - H-350/H-351	Modify
P04-S1	Asphalt Oxidizing Unit No. 1	Cancel
P04-S12	Heater H-701	Cancel
P04-S12	Heater H-702	Cancel

P04-S12	Heater H-703	Cancel
P04-S12	Heater H-704	Cancel
P04-S12	Heater H-705	Cancel
P04-S12	Heater H-901	Cancel
P04-S12	Heater H-902	Cancel
P04-S2	Asphalt Oxidizing Unit No. 2	Cancel
P04-S3	Asphalt Oxidizing Unit No. 3	Cancel
P04-S4	Asphalt Oxidizing Unit No. 4	Cancel
P04-S6	Melt Pit	Cancel
P05-S1	In-Line Gasoline Blending - Racks	Modify
P06-S1	Amine/Fuel Gas Treating Unit	Modify
P06-S2	Sour Water Stripper Unit	No Change
P06-S3	Jet Fuel Treating Unit	Cancel
P06-S4	Light Naphtha Merox Treater	Cancel
P06-S5	Heavy Naphtha Merox Treater	Cancel
P06-S6	Caustic Storage & Scrubbing	Modify
P06-S7	Amine Regeneration Unit	Modify
P07-S1	Sulfur Recovery Unit	Cancel
P07-S2	Tail Gas (Scot) Unit, Reduction Control	Cancel
P07-S3	Incinerator (H-401)	Modify
P07-S3	Selective Catalytic Reduction SCR H-401	New
P07-S3	Tail Gas Incinerator (H-402)	Modify
P07-Sx	Unit A SOx Scrubber	New
P08	See Racks Table	
P09-S1	Wastewater Separation FAC (Crude Unit Area)	Modify
P09-S2	Wastewater Separation FAC (Hydroprocessing Area) - possible con	Modify
P09-S3	Oil-Water Separation FAC (Asphalt Plant)	Cancel
P09-S4	Lift Station Sump	No Change
P10	See Tanks Table	
P11-S2	Emergency IC Engines	No Change
P11-S3	Cogeneration	No Change
P11-S4	Cogeneration Vapor Control System	No Change
P12-S1	Boilers - B7	Modify
P12-S1	Boilers - B8	Modify
P12-S1	Boilers - B9	Modify

P13-S1	Pipeline Flushing/Receiving Unit	Modify
P13-S3	Soil Vapor Extraction Area 1	No Change
P13-S4	Aqueous Ammonia Transfer and Storage	Modify
P13-S6	Fuel Gas Mix Drum System	Modify
P13-S7	Soil Vapor Extraction System Area 234	No Change
P13-S8	Soil Vapor Extraction System Area 5	No Change
P15-S1	Flare Vapor Recovery System (Existing)	Modify
P15-S2	Refinery Flare System (Existing)	Modify
P15-S3	Incinerator System Serving Asphalt Blowing Plant (H-907)	Modify
P15-S4	Sox Scrubbing System Serving Asphalt Blowing Plant	Modify
P15-S4	Sox Scrubbing System Serving Asphalt Blowing Plant (H-908)	Modify
P16-S1	Reformate Splitter	Cancel
P16-S2	Bensat Unit	Cancel
P18-S1	First Stage Reaction and Fractionation	Modify
P18-S2	Second Stage Reaction and Fractionation	Modify
P50 - Amine	Unit B Amine/Fuel Gas Treating Unit	New
P50 - Amine	Unit B Amine Regeneration Unit	New
P50 - H2S/SWS	Unit B H2S Recovery Unit	New
P50 - Pretreatment	PreTreat Unit Media Conveying - Bleaching Clay	New
P50 - Pretreatment	PreTreat Unit Media Conveying - Silica	New
P50 - Pretreatment	PreTreat Unit Media Conveying - Filter Aid	New
P50 - Pretreatment	PreTreat Unit Organics	New
P50 - Pretreatment	Filter media oil recovery unit	New
P50 - PRU	Propane Recovery Unit	New
P50 - SMR	SMR Heater H-151	New
P50 - SMR	SMR SCR Unit	New
P50 - SMR	Hydrogen Unit (SMR)	New
P50 - SMR	Unit B Sour Water Stripper Plus	New
P50 - Unit B	Heater H-350	New
P50 - Unit B	Heater H-351	New
P50 - Unit B	First Stage Reaction and Fractionation	New
P50 - Unit B	Second Stage Reaction and Fractionation	New
P50 - Utilities	New Flare	New
P50 - Utilities	New Flare Vapor Recovery System	New
P50 - Utilities	Cooling Towers - Existing	Modify Registration

P50 - WWT	Wastewater Treatment - Pretreat Unit	New

Process 8 System	Device	Current Permit Description	Permitted Commodity	Permit - Modify/No Change/Cancel/New
1	D222	Rack 01 Unloading, (1A) 2 arms, 4 in	Slop, gas oil, naphtha, crude oil, Kerosene, Diesel cutbacks	Modify
1	D925	Rack 01, Unloading, 1 arm, 4 in	Renewable Fuels Feedstock	No Change
2	D220	Rack 02 Unloading, 2 arms, 4 in and 3 in	Slop, gas oil, naphtha, crude oil, Kerosene, Diesel cutbacks	Modify
3	D176	Rack 03, Loading, 3 in	Asphalt Emulsion	Cancel
4	D177	Rack 04, Loading, 3 in	Asphalt Emulsion	Cancel
5	D178	Rack 05, Loading, 3 in	Asphalt Emulsion	Cancel
9	D179	Rack 11 Loading/Unloading 2 arms 3 in	Asphalt	Cancel
10	D189	Rack 12 unloading 2 arms, 3 in	Asphalt	Modify
11	D187	Rack 13 Loading/Unloading, 2 loading arms, 3 in, 1 unloading arm 4 in	Asphalt	Modify
12	D230	Rack 14 Loading, 1 arm	Gas oil, Fuel Oil	Cancel
13	D181	Rack 15 Loading, 2 loading arms, 3 in, 1 unloading arm, 4 in	Cutback Asphalt	Cancel

Process 8 System	Device	Current Permit Description	Permitted Commodity	Permit - Modify/No Change/Cancel/New
14	D183	Rack 16 UnLoading, 2 arms, 3 in	Asphalt	Modify
15	D185	Rack 17 Unloading, 2 arms, 3 in	Asphalt	Modify
16	D219	Rack 18 Loading, 1 arm, 3 in	Light Products, Fuel Oil	Modify
17	D228	Rack 19 Loading, 2 arms,	Jet (JPA), Diesel, Fuel Oil	Cancel
17	D224	Rack 19 Loading, 4 arms, bottom loading	Jet (JPA), Diesel	Modify
18	D231	Rack 20 Loading, 5 arms	Gasoline	Modify
27	D233	Rack 21 Bottom Loading, 2 arms	Jet fuel, Diesel	Cancel
27	D233	Rack 21 Bottom Loading, 5 arms	Gasoline, diesel	Modify
19		Vapor Recovery System for Racks 20/21	Gasoline	Modify
20	D252	Rack 22 Loading, 1 arm, bottom loading, 2 in with 1" vapor return line	LPG (C3, C4, C5), Naphtha	No Change

Process 8 System	Device	Current Permit Description	Permitted Commodity	Permit - Modify/No Change/Cancel/New
20	D218	Rack 22 Unloading, 1 arm, 2 In with 1" vapor return valve	LPG (C3, C4, C5	No Change
21	D215 D216	Rack 23 Unloading, 2 arms, 3 in and 4 in	Gasoline blending stocks, distillates	No Change
23	D570	Rack 26 Unloading, 1 arm, 4 in	Asphalt	Cancel
6	D192	Rack 60/61 Loading, 4 arms, 4 in	Asphalt	Modify
6	**New**	Rack 60/61 UNLoading, 2 arms, 4 in	Biodiesel, CARB Diesel, Renewable Diesel, Renewable Jet Fuel, Commercial Jet Fuel	New
7	D196	Rack 70/71 Loading, 4 arms, 4 in	Asphalt	Modify
7	**New**	Rack 70/71 UNLoading, 2 arms, 4 in	Biodiesel, CARB Diesel, Renewable Diesel, Renewable Jet Fuel Commercial Jet Fuel	New
8	D200	Rack 80/81 Loading, 4 arms, 4 in	Asphalt	Modify
30	D964	Rack DMDS	DMDS	No Change
28	D843	Spent Caustic Loading	Spent Sulfidic Caustic	No Change
29	D855	Spur 3 Railcar Loading, 4 arms, 4" dia	Gas oil	Modify

Process 8 System	Device	Current Permit Description	Permitted Commodity	Permit - Modify/No Change/Cancel/New
29	D926	Spur 3 Railcar Unloading, 4 arms, 4" dia	Renewable Fuels Feedstock	Modify
25	D253	Track 1&2 Railcar Loading, 1 arm, 4" dia	Spent Naphthenic Caustic	Cancel
25	D210	Track 1&2 Railcar Loading, 4 arms, 4" dia	Distilate	Cancel
25	D924	Track 1&2 Railcar Unloading, 8 arms, 4" Diameter	PC-Distillate, bio/renewable diesel, Jet fuel	Modify
25	D965	Track 1&2 Railcar Unloading, 8 arms, 4" diameter	Renewable Naphtha, iso-octane, alkylate, Denatured Ethanol	Modify
25	**New**	Track 6 Railcar Unloading, 7 arms, 4" dia	Raw Feedstock	New

Process 10 System:	AQMD Device	Tank No./Permitted Commodity	Permit - Modify/No Change/Cancel
1	D168	T-1000, Spent Caustic	No Change
1	D169	T-1001, Fresh or Spent Caustic	Cancel
2	D263	T-10001 Wastewater	No Change
2	D264	T-10009 Wastewater	No Change
1	D267	T-201	Cancel
1	D268	T-512	Cancel
1	D269	T-513	Cancel
1	D270	T-514	Cancel
1	D272	T-515	Cancel
1	D273	T-1012	Cancel
1	D274	T-1013	Cancel
1	D275	T-1014	Cancel
1	D276	T-1015, Asphalt	Cancel
1	D277	T-1019	Cancel
1	D278	T-1020	Cancel
1	D279	T-1021	Cancel
1	D280	T-1022	Cancel
1	D281	T-1023	Cancel
1	D282	T-1024	Cancel
1	D283	T-1025, Asphalt	Cancel
1	D284	T-1026	Cancel
1	D285	T-1027	Cancel
1	D286	T-1028	Cancel
1	D287	T-2044	Cancel
1	D288	T-2046	Cancel
1	D289	T-2047	Cancel
1	D290	T-2048	Cancel
1	D291	T-2049	Cancel
1	D292	T-2501, Asphalt	Cancel
1	D293	T-3501	Cancel
1	D294	T-5001 asphalt, with a mixer, heated	Cancel
1	D295	T-5002 asphalt, heated, with a mixer and a pre-knockout separator	Cancel

1	D296	T-5003 asphalt, heated with a mixer and a pre-knockout separator	Cancel
1	D297	T- 5004 asphalt, heated, with a mixer	Cancel
1	D298	T-5005 Asphalt, heated with a 3-HP in tank mixer and heating coils	Cancel
2	D299	T-5006, Denatured Fuel Ethanol for Gasoline Blending	Cancel
1	D300	T-5007	Cancel
1	D301	T-5501	Modify
1	D302	T-10003, Asphalt	Modify
1	D303	T-10004, Asphalt	Modify
1	D304	T-20002, Asphalt	Modify
1	D305	T-35001, Asphalt	Modify
1	D306	T-50003	No Change
1	D307	T-50005, Biofuels, distillate	No Change
1	D309	T-50006, Biofuels, distillate	No Change
1	D311	T-100001, Asphalt	Modify
1	D312	T-100002, Asphalt	Modify
1	D315	T-6001	No Change
1	D316	T-6002	No Change
1	D318	T-10006	No Change
1	D319	T-10007	No Change
1	D320	T-10008	No Change
2	D321	T-12501	No Change
2	D322	T-12502	No Change
1	D323	T-20001, Asphalt	Modify
1	D324	T-20005	No Change
1	D325	T-25007	No Change
1	D326	T-50007	Cancel
1	D327	T-80001, Crude Oil	Cancel
1	D328	T-150002, Gasoil, Asphalt	Modify
1	D329	T-25A, Diesel	Cancel
1	D330	T-25-B, Diesel	Cancel
2	D335	T-3001, Crude Oil Slop with Heating Coils	No Change
2	D336	T-2002, Sodium Naphthenate	Modify
2	D337	T-2014	Modify
2	D339	T-25001, Naphtha	Modify

2	D340	T-25002	No Change
2	D341	T-25003, Naphtha	Modify
2	D342	T-25004, Naptha and Gasoline Blending Components	Modify
2	D343	T-25005	Modify
2	D344	T-25006	No Change
2	D345	T-25008	No Change
2	D346	T-25009, Kerosene	Modify
2	D347	T-50001, Gasoline	Modify
2	D348	T-50002, Diesel	Modify
2	D351	T-125001	Modify
2	D352	T-80002, Crude Oil	Cancel
1	D353	T-80003, Renewable Fuels Feedstock	No Change
4	D354	T-125002	Cancel
4	D355	T-20003	No Change
4	D356	T-50004	No Change
4	D357	T-20004	No Change
3	D358	D-709, LPG (C3, C4,C5)	No Change
3	D359	D-710, LPG (C3, C4,C5)	No Change
3	D360	D-1201 Naphtha	Modify
3	D361	D-1202 LPG	No Change
3	D362	D-1203 LPG	No Change
1	D378	T-518	No Change
1	D523	T-509	Cancel
1	D525	T-777	Cancel
1	D527	T-141	Cancel
1	D528	T-142	Cancel
1	D568	T-242	No Change
2	D748	T-10005, Fuel Oil, Diesel Fuel, Straight Run Heavy Naphtha	Modify
6	D966	T-50008, Renewable/ Biodiesel and Jet, Jet, Diesel, as oil	No Change
1	New	T-150001 - NO PERMIT	New Permit

Lakewood Tank Farm		
G52307	T-5001	No Change
G52306	T-5002	No Change
G52309	T-55001	No Change
G52308	T-55002	No Change

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: September 6, 2019

Mr. Howard Chang
AltAir Paramount, LLC
14700 Downey Ave
Paramount, CA 90723-1418
Tel(562)748-4608 E-Mail: HChang@Worldenergy.net

Project: **Tech Tallow/Packer/DCO/UCO**
Lab I.D.: **190829-38 through -49**

Dear Mr. Chang:

The **analytical results** for the sludge samples, received by our lab on August 29, 2019, are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:08/30&09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #1** LAB I.D.: 190829-38

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	ND	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #2** LAB I.D.: 190829-39

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.258	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #3** LAB I.D.: 190829-40

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.250	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #1** LAB I.D.: 190829-41

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.306	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
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SAMPLE I.D.: **Packer #2** LAB I.D.: 190829-42

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.321	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
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-- = Not analyzed/not requested

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SAMPLE I.D.: **Packer #3** LAB I.D.: 190829-43

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	ND	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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SAMPLE I.D.: **DCO #1** LAB I.D.: 190829-44

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	ND	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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SAMPLE I.D.: **DCO #2** LAB I.D.: 190829-45

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	ND	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #3** LAB I.D.: 190829-46

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.488	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:08/30&09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #1** LAB I.D.: 190829-47

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	1.70	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	1.15	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:08/30&09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #2** LAB I.D.: 190829-48

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	1.93	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	1.26	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:08/30&09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #3** LAB I.D.: 190829-49

TOTAL THRESHOLD LIMIT CONCENTRATION (TTLC) ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.010	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	1.75	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	1.32	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
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*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #1** LAB I.D.: 190829-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1000*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

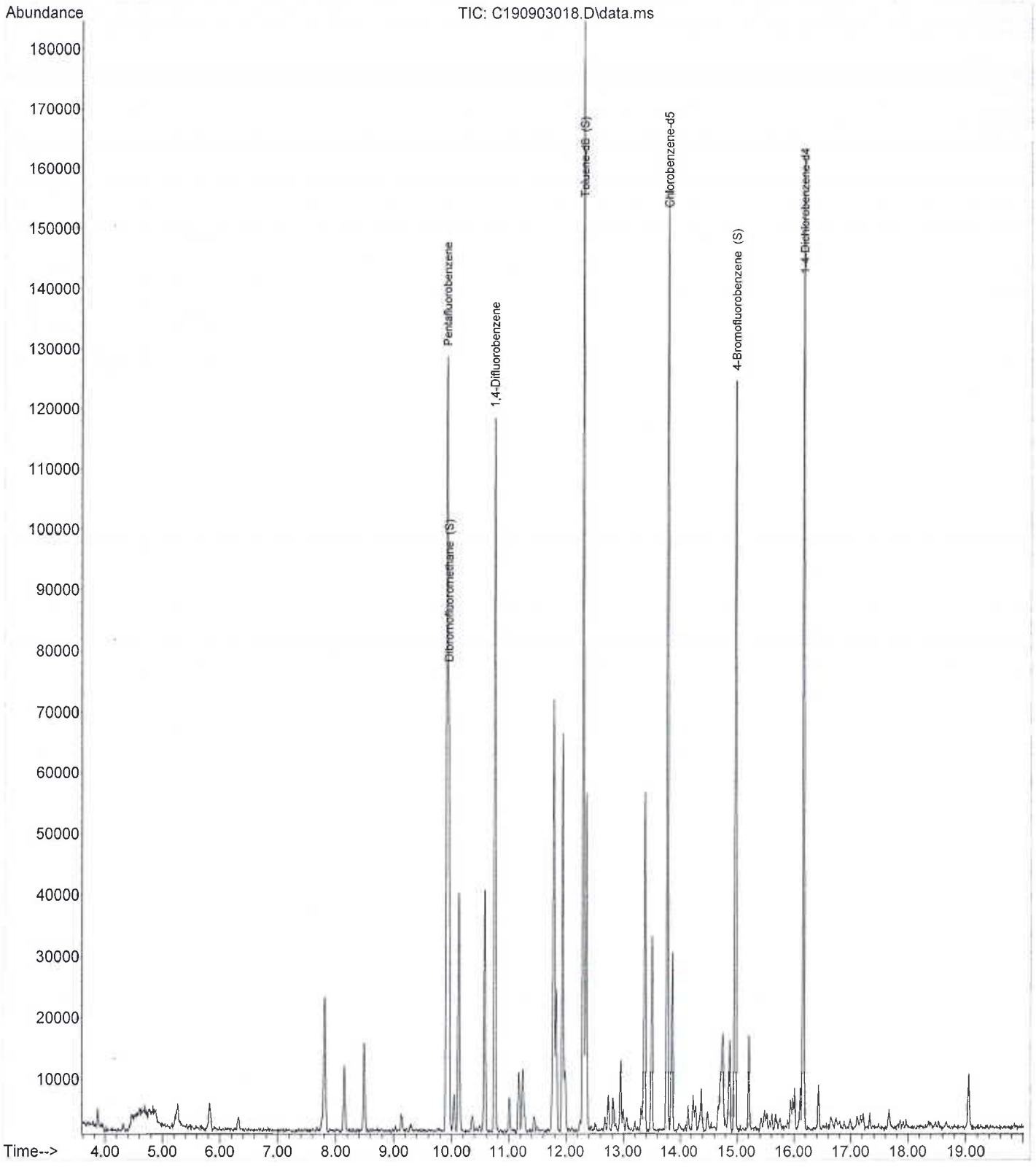
SAMPLE I.D.: **Tech Tallow #1** LAB I.D.: 190829-38

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1000*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903018.D
Operator :
Acquired : 3 Sep 2019 9:15 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-38 1000X
Misc Info :
Vial Number: 29



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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #2** LAB I.D.: 190829-39

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1000*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

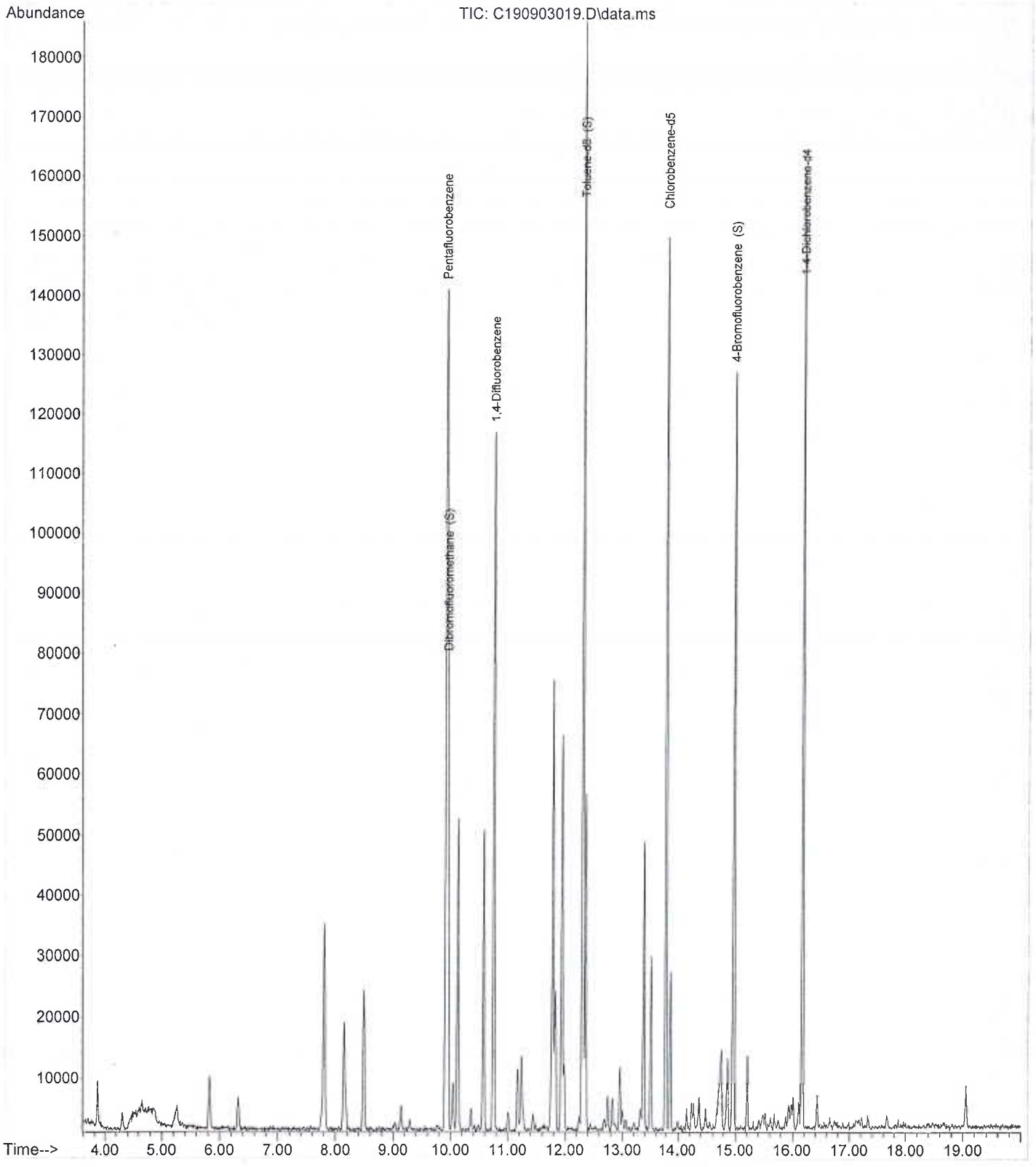
SAMPLE I.D.: **Tech Tallow #2** LAB I.D.: 190829-39

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1000*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903019.D
Operator :
Acquired : 3 Sep 2019 9:42 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-39 1000X
Misc Info :
Vial Number: 30



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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #3** LAB I.D.: 190829-40

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1000*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/03/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

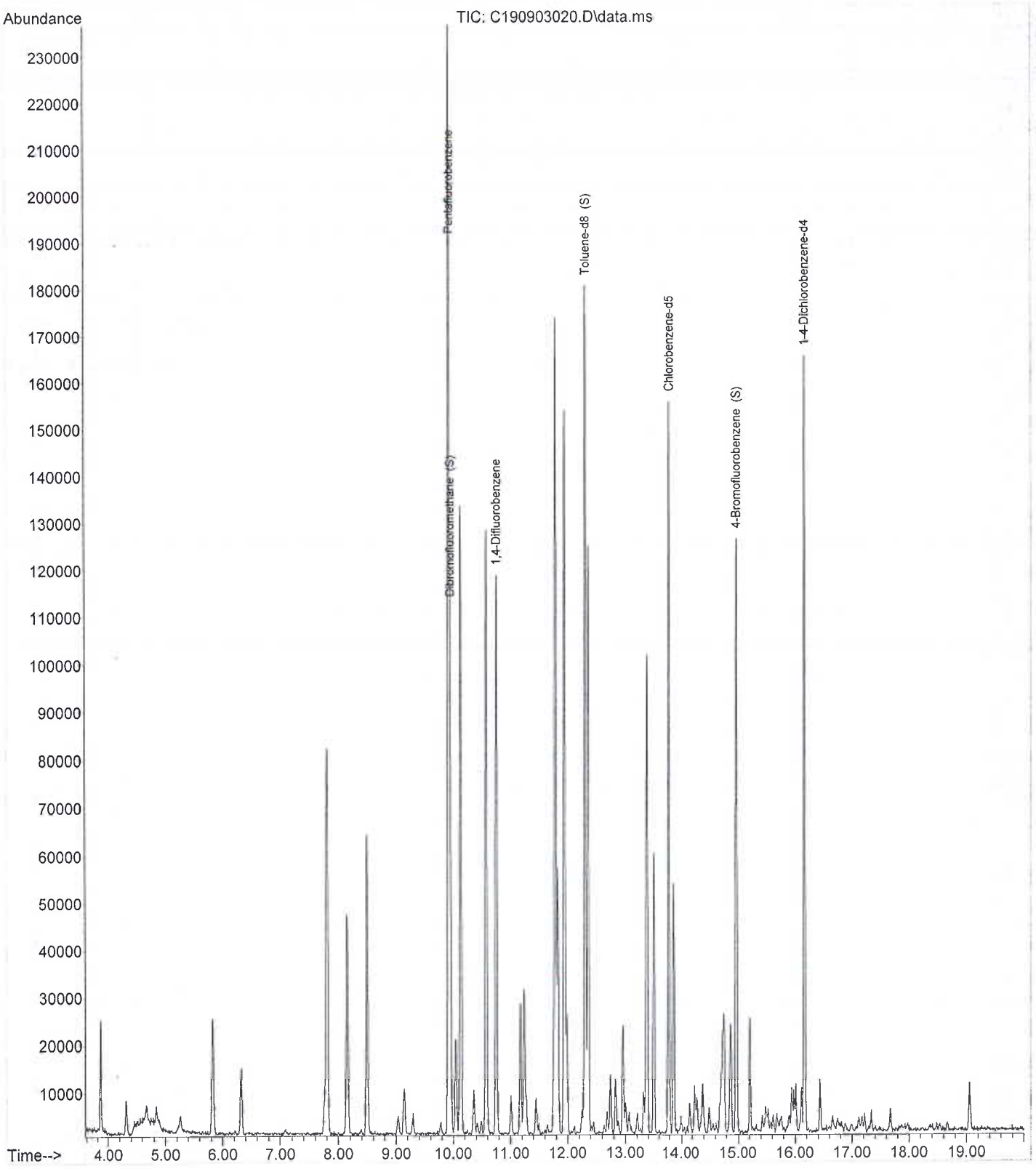
SAMPLE I.D.: **Tech Tallow #3** LAB I.D.: 190829-40

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X1000*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File : D:\Data\2019DATA\C1909\C190903\C190903020.D
Operator :
Acquired : 3 Sep 2019 10:09 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-40 1000X
Misc Info :
Vial Number: 31



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LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #1** LAB I.D.: 190829-41

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X100*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

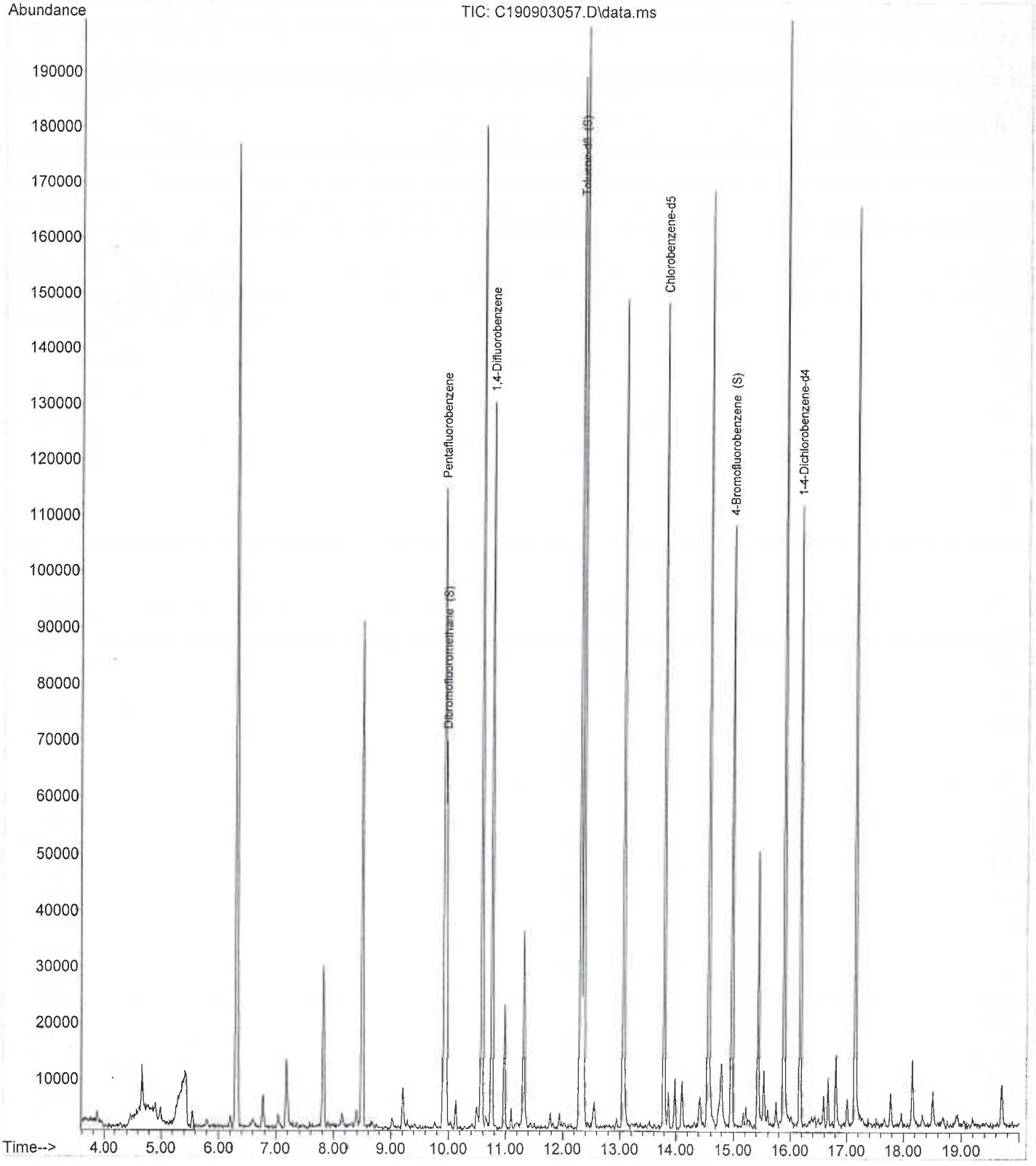
SAMPLE I.D.: **Packer #1** LAB I.D.: 190829-41

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X100*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903057.D
Operator :
Acquired : 4 Sep 2019 2:42 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-41 100X RE
Misc Info :
Vial Number: 9



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LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #2** LAB I.D.: 190829-42

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

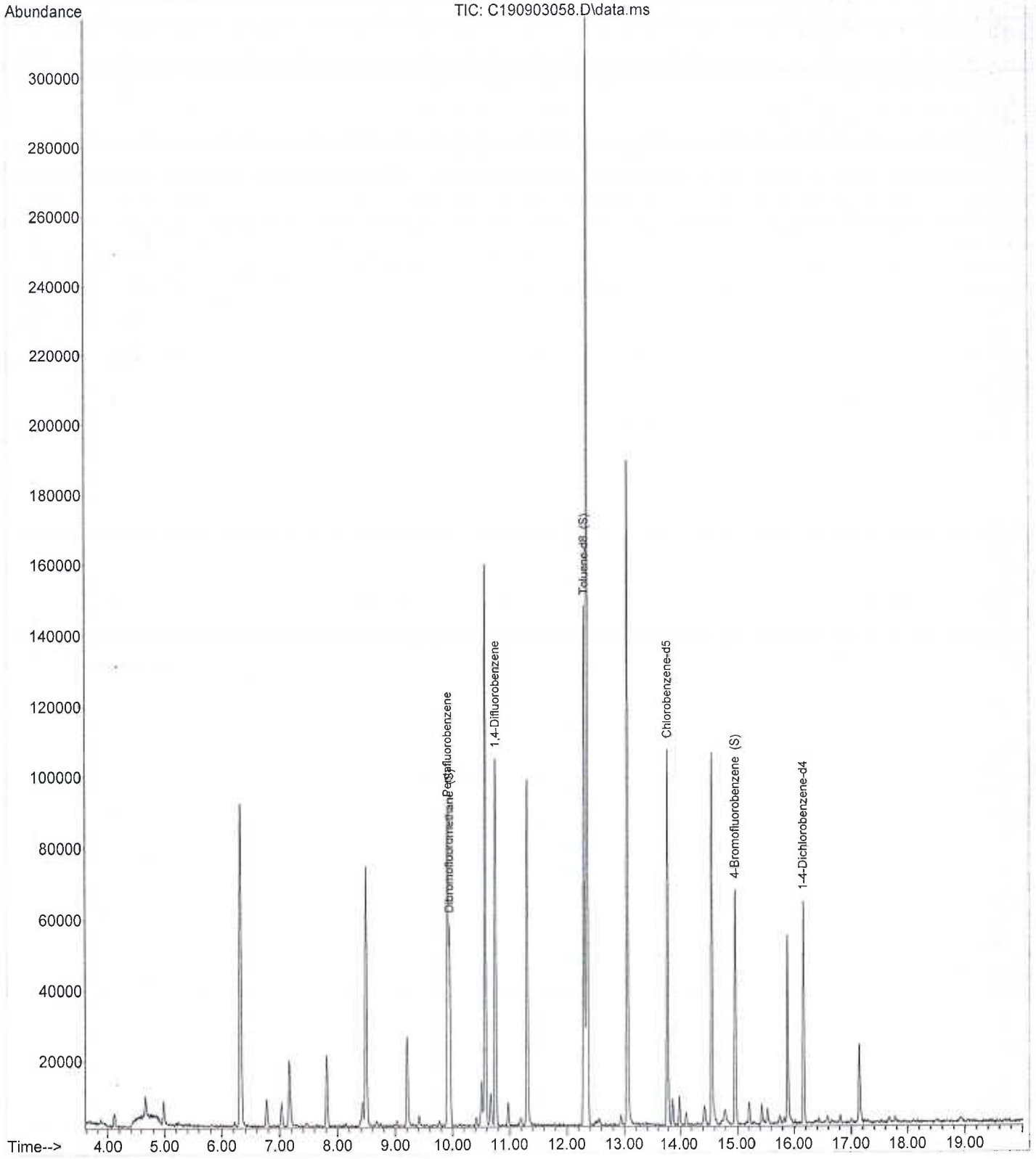
SAMPLE I.D.: **Packer #2** LAB I.D.: 190829-42

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903058.D
Operator :
Acquired : 4 Sep 2019 3:09 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-42 10X RE
Misc Info :
Vial Number: 10



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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #3** LAB I.D.: 190829-43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25
ACETONE	4.61	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #3** LAB I.D.: 190829-43

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #1** LAB I.D.: 190829-44

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
ACETONE	1.78	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #1** LAB I.D.: 190829-44

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X10
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #2** LAB I.D.: 190829-45

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

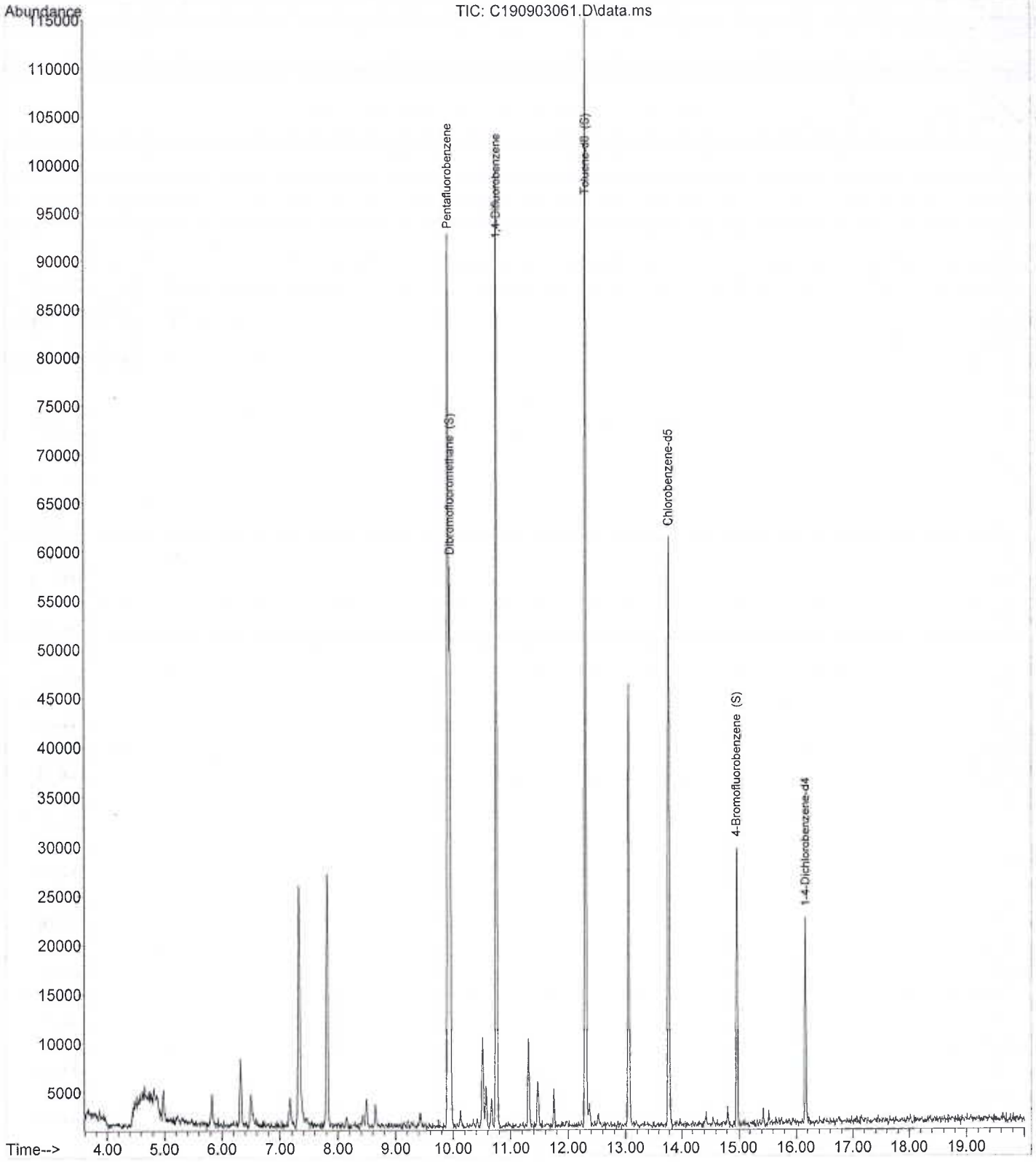
SAMPLE I.D.: **DCO #2** LAB I.D.: 190829-45

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903061.D
Operator :
Acquired : 4 Sep 2019 4:29 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-45 25X RE
Misc Info :
Vial Number: 13



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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #3** LAB I.D.: 190829-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
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MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

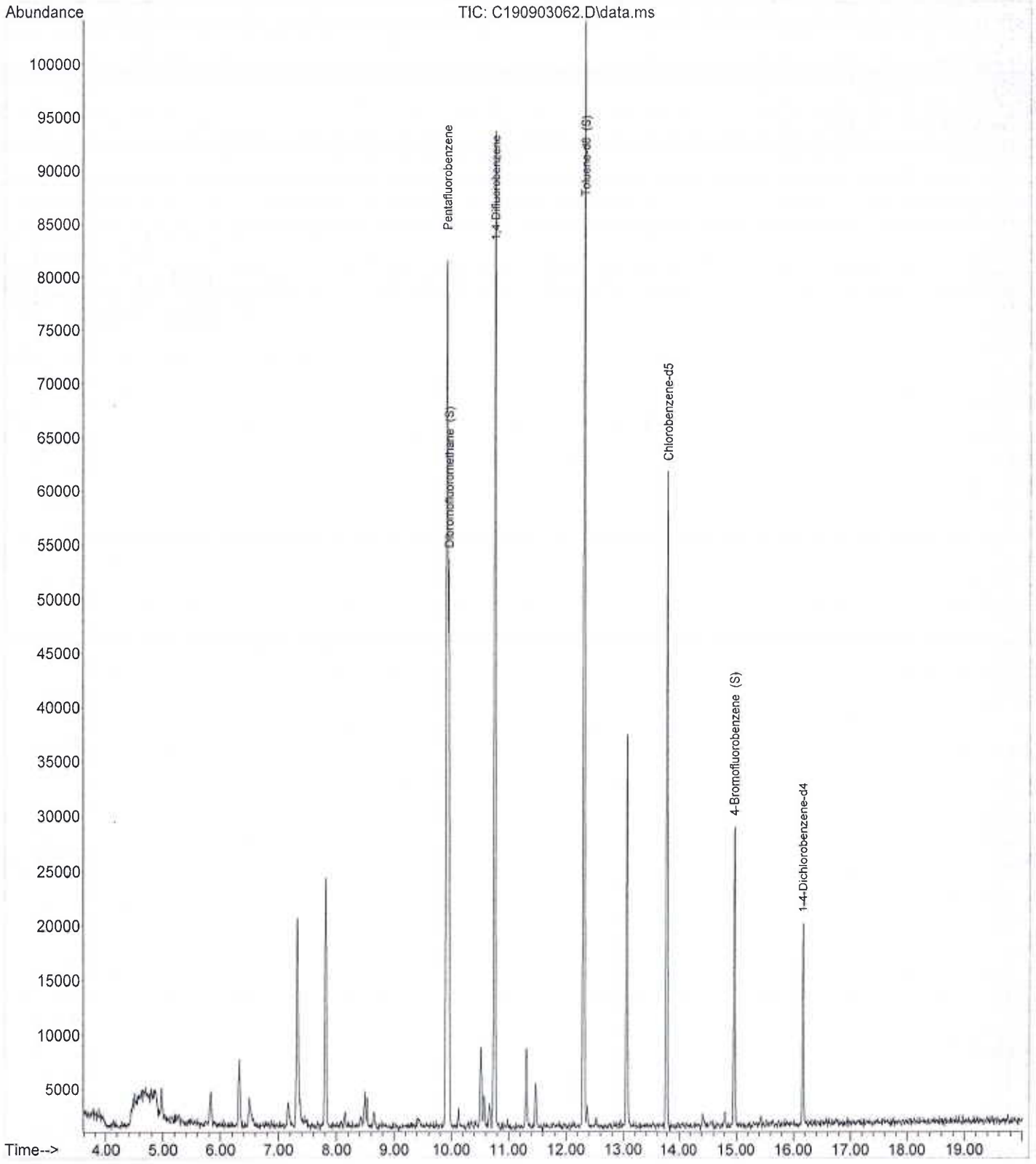
SAMPLE I.D.: **DCO #3** LAB I.D.: 190829-46

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903062.D
Operator :
Acquired : 4 Sep 2019 4:56 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-46 25X RE
Misc Info :
Vial Number: 14



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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #1** LAB I.D.: 190829-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25
ACETONE	ND	0.020
BENZENE	0.219	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **UCO #1** LAB I.D.: 190829-47

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #2** LAB I.D.: 190829-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25
ACETONE	ND	0.020
BENZENE	0.125	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #2** LAB I.D.: 190829-48

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #3** LAB I.D.: 190829-49

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Tech Tallow/Packer/DCO/UCO**
SAMPLING DATE:08/29/19 DATE RECEIVED:08/29/19
MATRIX:SLUDGE DATE ANALYZED:09/04/19
REPORTED TO:MR. HOWARD CHANG DATE REPORTED:09/06/19

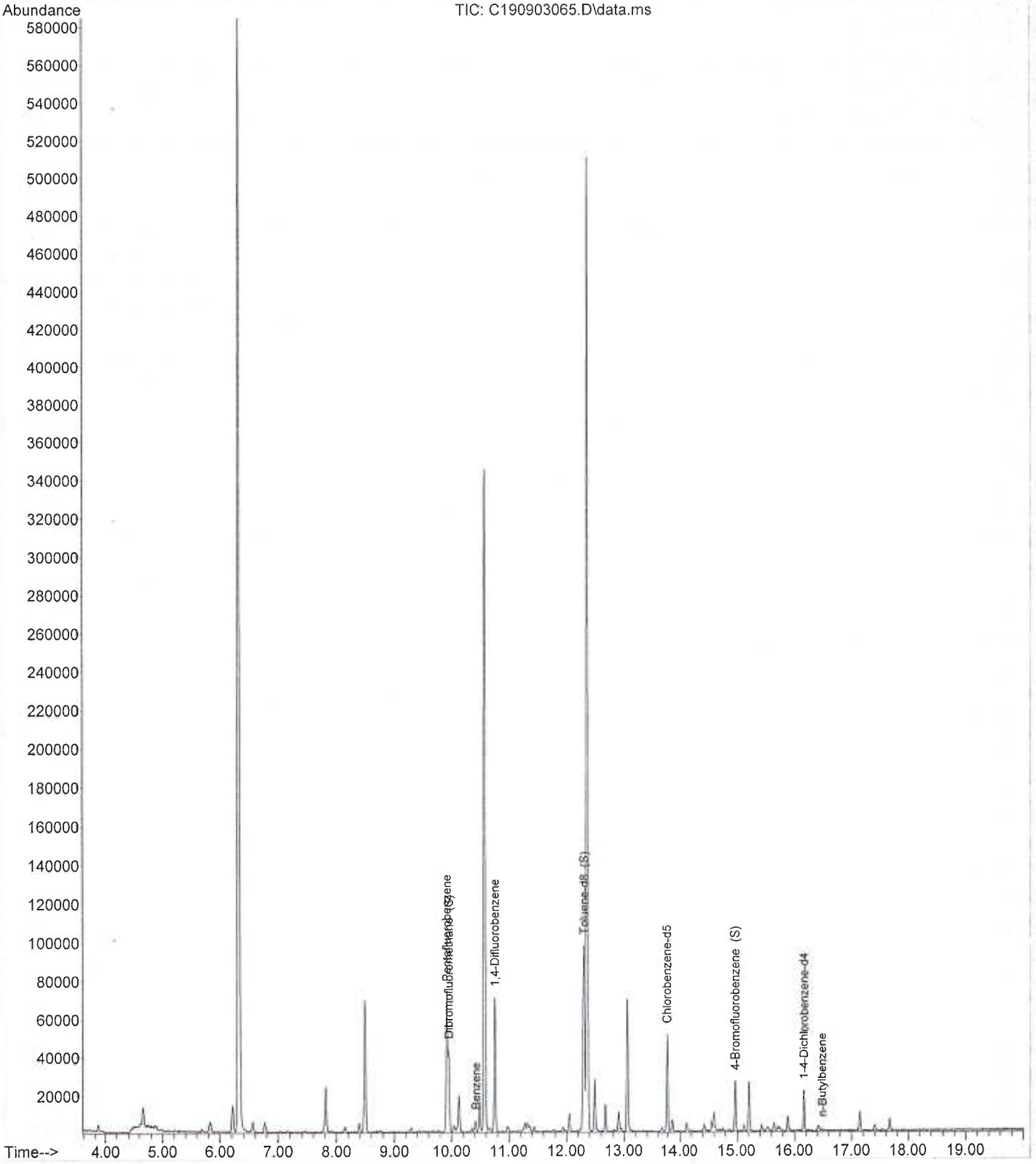
SAMPLE I.D.: **UCO #3** LAB I.D.: 190829-49

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X25*
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	ND	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019DATA\C1909\C190903\C190903065.D
Operator :
Acquired : 4 Sep 2019 6:16 pm using AcqMethod 8260C111.M
Instrument : Instrument #1
Sample Name: 190829-49 25X RE
Misc Info :
Vial Number: 17



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TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #1** LAB I.D.: 190829-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X80*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

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DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

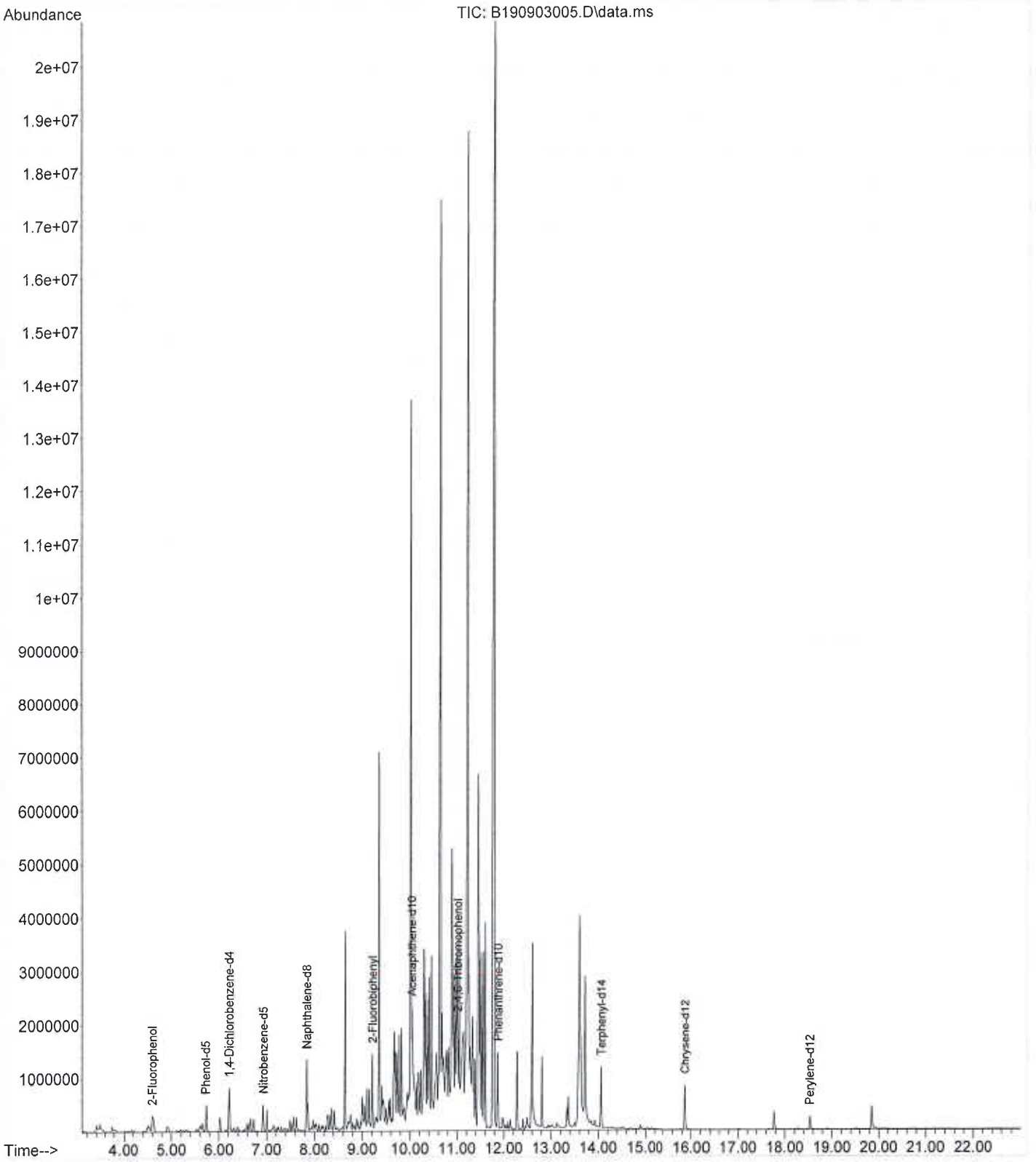
SAMPLE I.D.: **Tech Tallow #1** LAB I.D.: 190829-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X80*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903005.D
Operator :
Acquired : 3 Sep 2019 11:11 am using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-38 5/200
Misc Info : 8270
Vial Number: 6



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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #2** LAB I.D.: 190829-39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X80*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
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DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

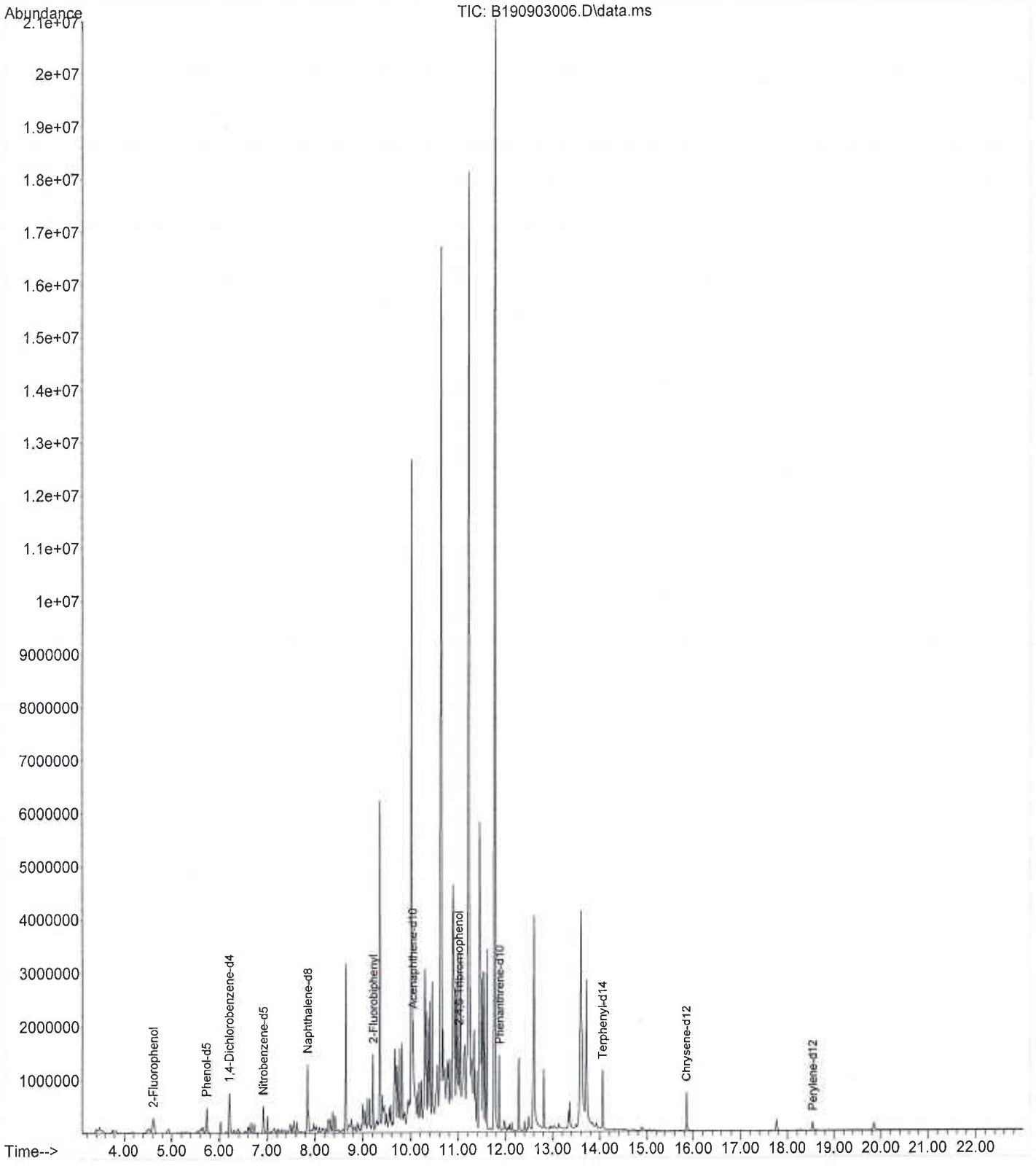
SAMPLE I.D.: **Tech Tallow #2** LAB I.D.: 190829-39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X80*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903006.D
Operator :
Acquired : 3 Sep 2019 11:42 am using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-39 5/200
Misc Info : 8270
Vial Number: 7



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LABORATORY REPORT

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14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **Tech Tallow #3** LAB I.D.: 190829-40

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X80*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

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DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

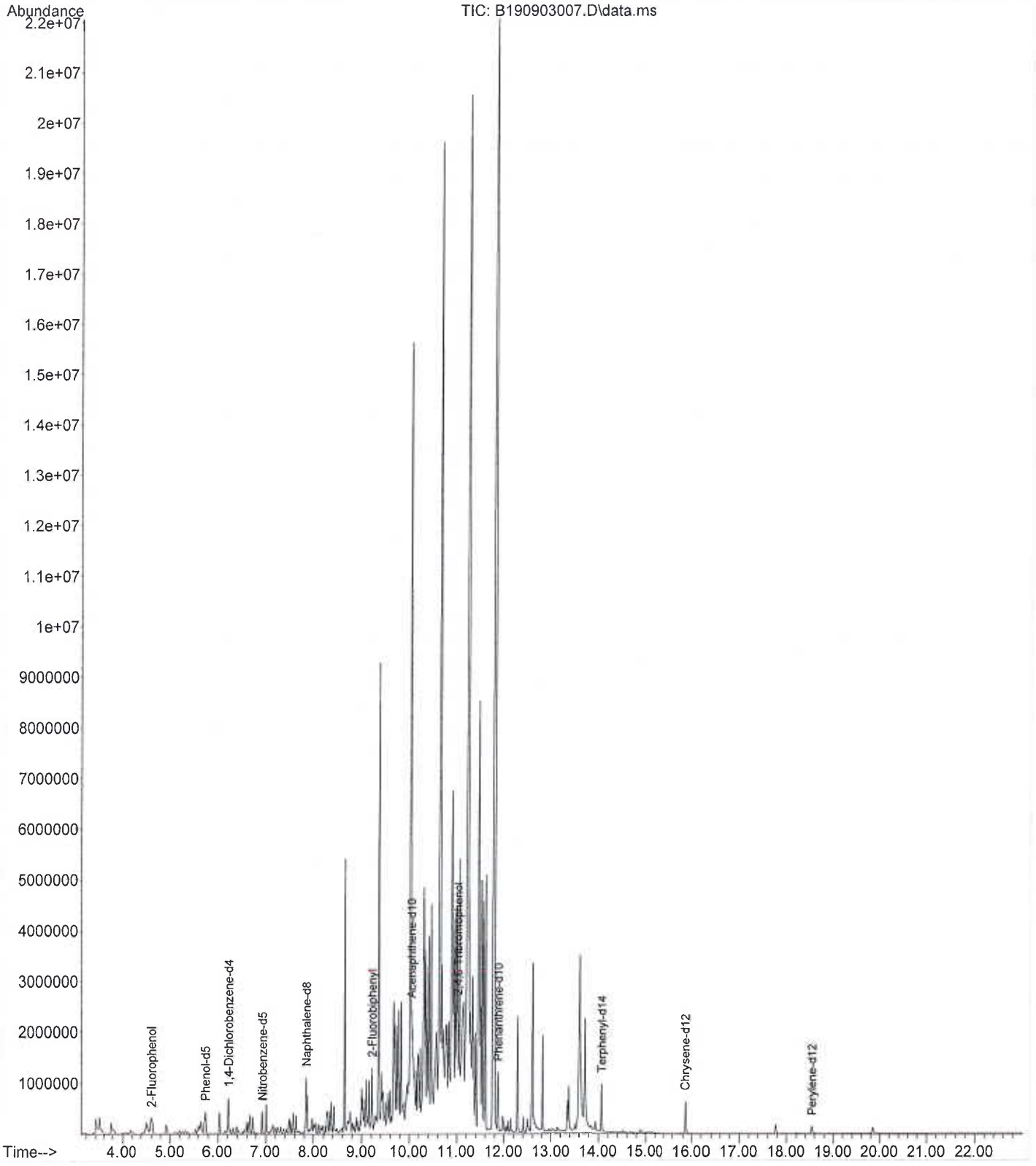
SAMPLE I.D.: **Tech Tallow #3** LAB I.D.: 190829-40

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X80*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903007.D
Operator :
Acquired : 3 Sep 2019 12:12 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-40 5/200
Misc Info : 8270
Vial Number: 8



Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #1** LAB I.D.: 190829-41

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X800*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
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DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

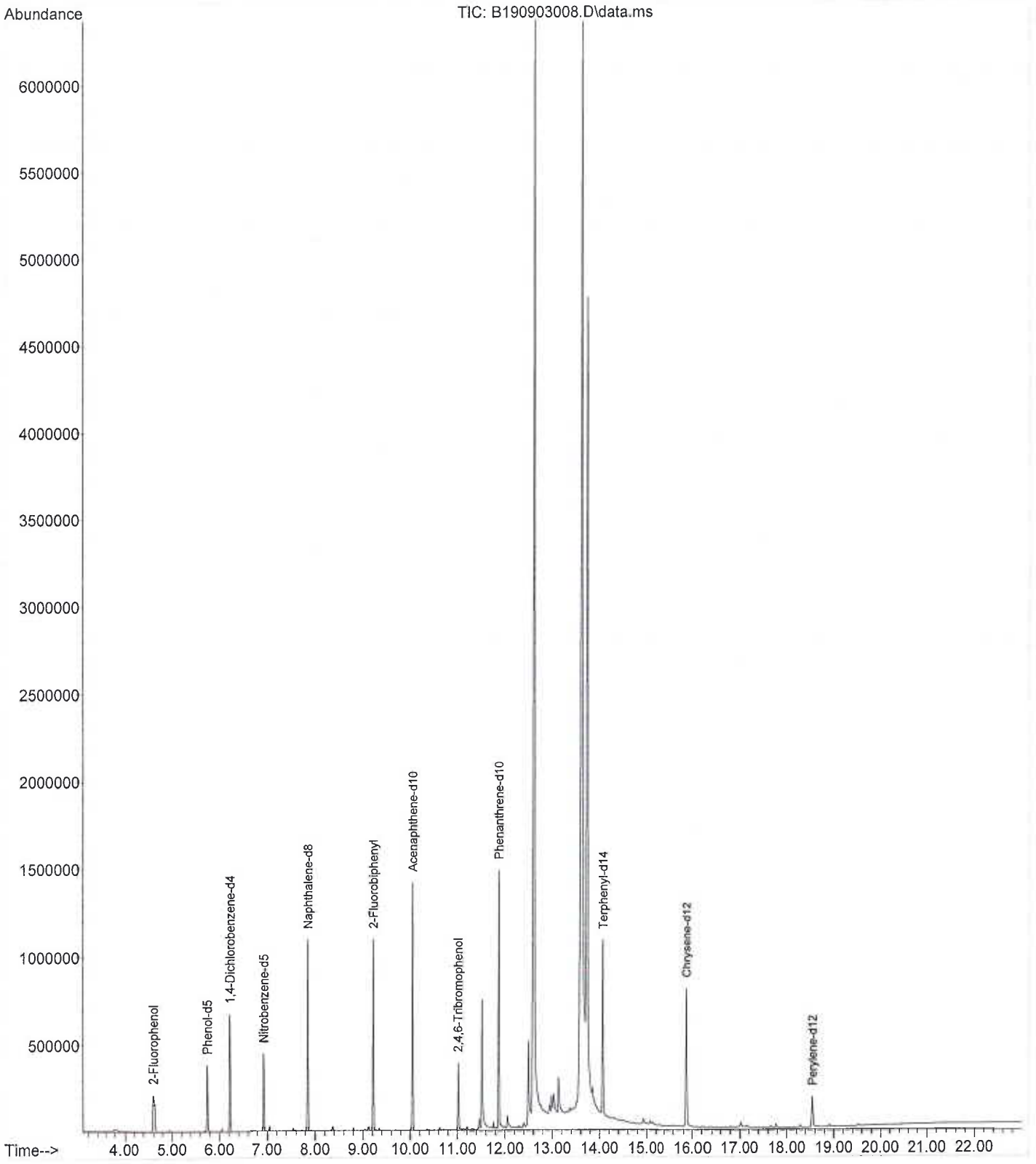
SAMPLE I.D.: **Packer #1** LAB I.D.: 190829-41

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X800*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903008.D
Operator :
Acquired : 3 Sep 2019 12:43 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-41 5/2000
Misc Info : 8270
Vial Number: 9



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LABORATORY REPORT

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TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #2** LAB I.D.: 190829-42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X800*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Tech Tallow/Packer/DCO/UCO**

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DATE REPORTED:09/06/19

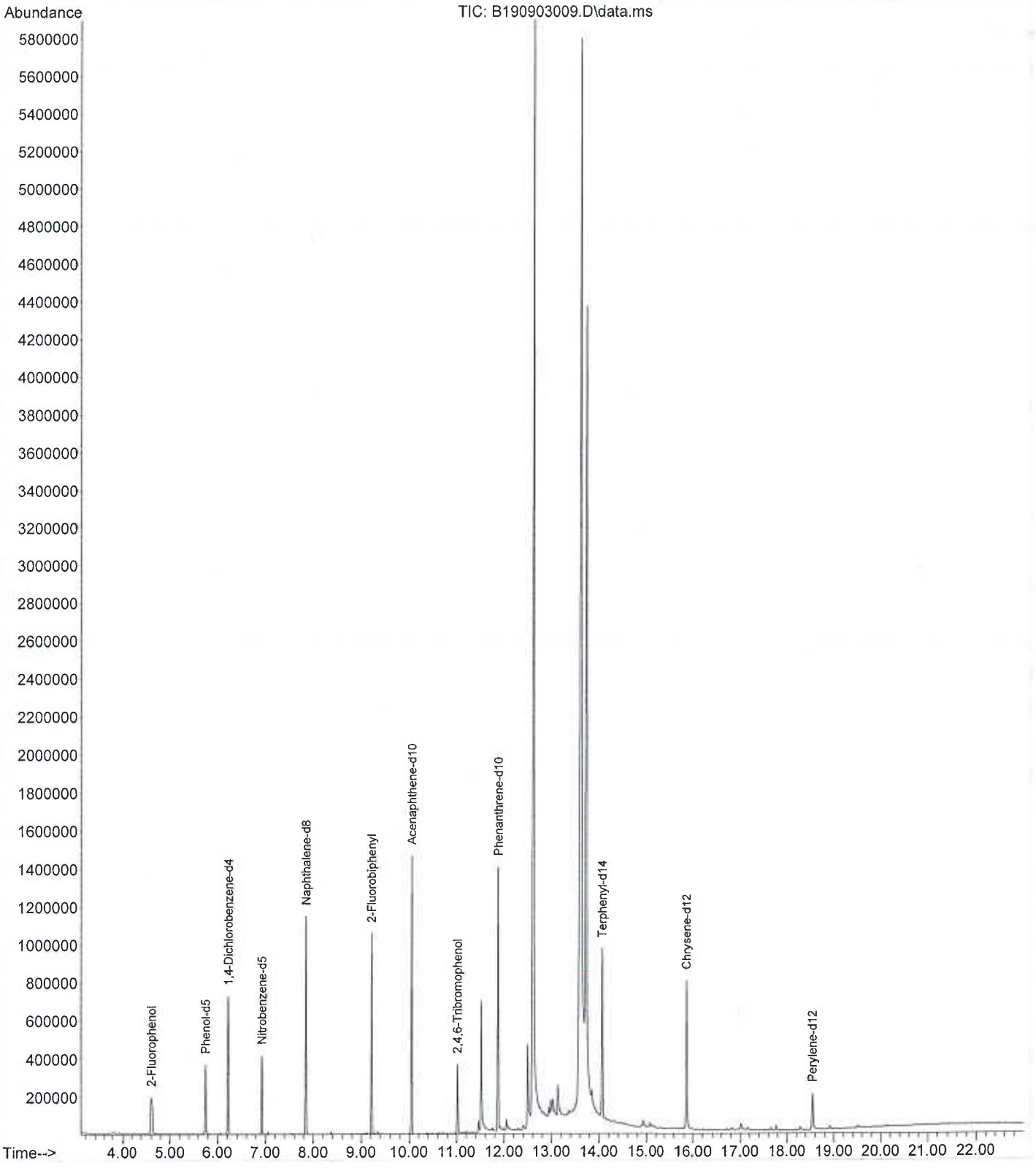
SAMPLE I.D.: **Packer #2** LAB I.D.: 190829-42

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X800*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903009.D
Operator :
Acquired : 3 Sep 2019 1:13 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-42 5/2000
Misc Info : 8270
Vial Number: 10



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LABORATORY REPORT

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14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **Packer #3** LAB I.D.: 190829-43

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X800*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
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TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX: SLUDGE
DATE SAMPLED: 08/29/19
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DATE REPORTED: 09/06/19

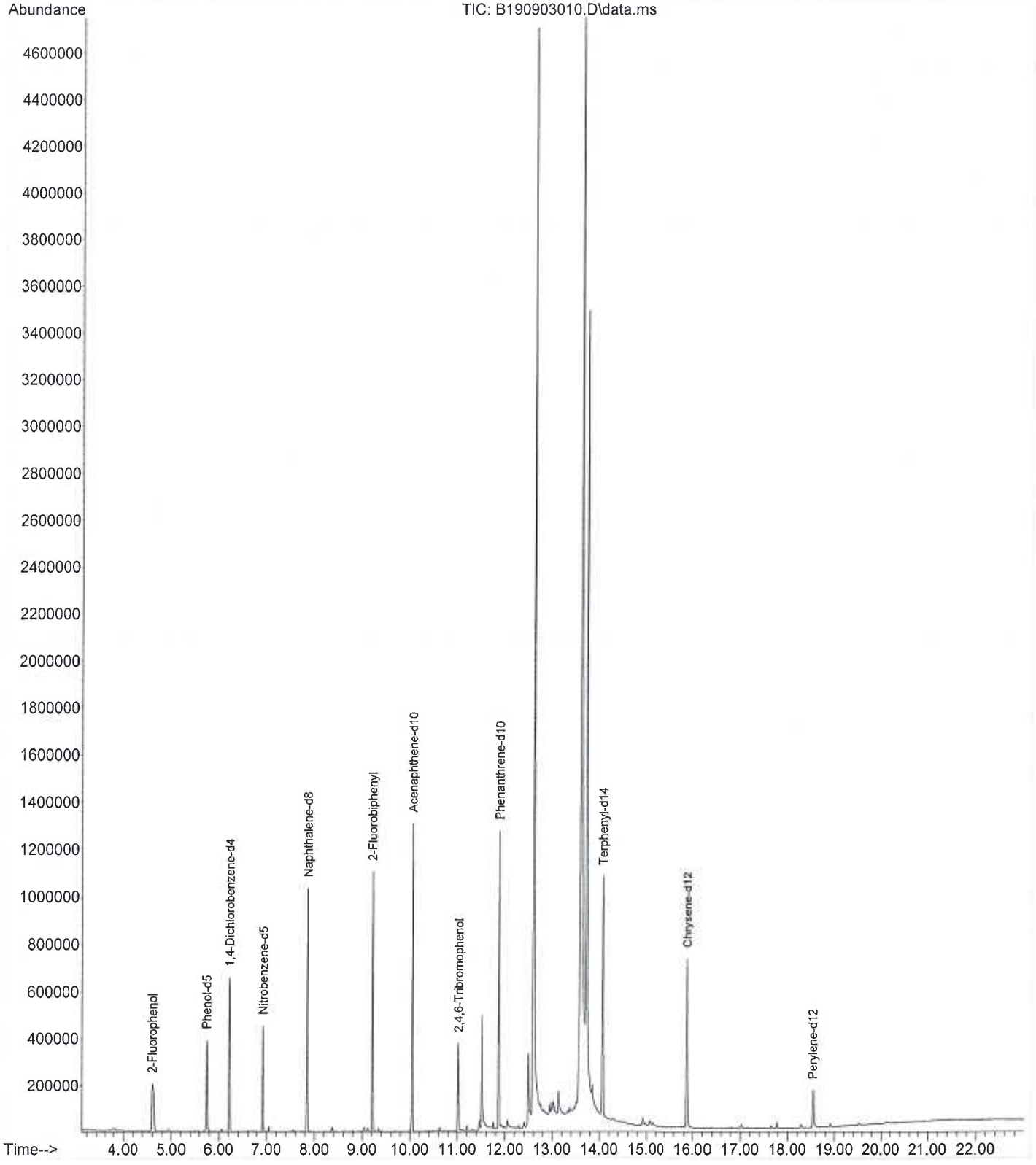
SAMPLE I.D.: **Packer #3** LAB I.D.: 190829-43

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X800*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903010.D
Operator :
Acquired : 3 Sep 2019 1:43 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-43 5/2000
Misc Info : 8270
Vial Number: 11



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LABORATORY REPORT

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TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #1** LAB I.D.: 190829-44

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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SAMPLE I.D.: **DCO #1** LAB I.D.: 190829-44

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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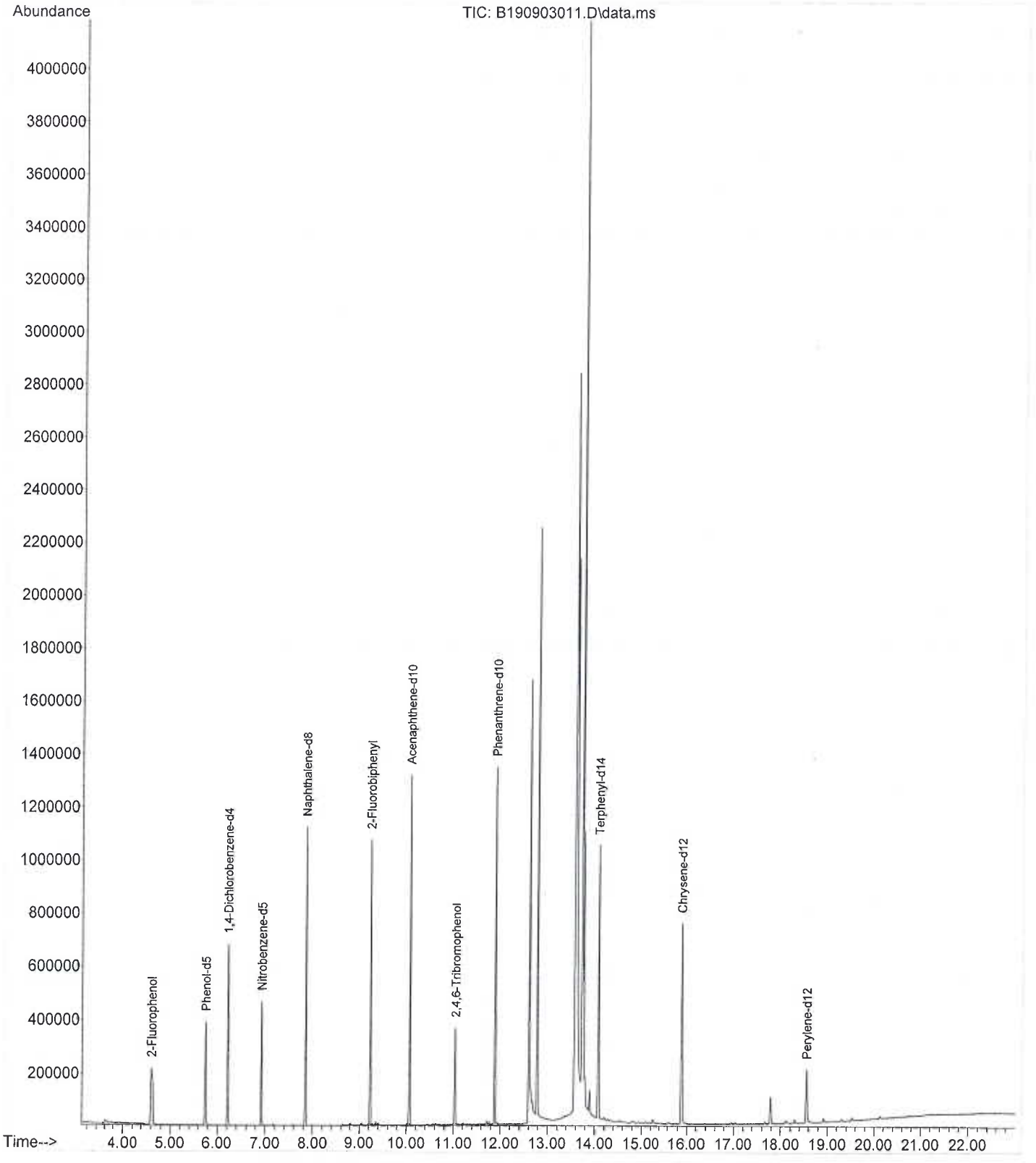
Operator :
Acquired : 3 Sep 2019 2:14 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-44 1/2000
Misc Info : 8270
Vial Number: 12



Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #2** LAB I.D.: 190829-45

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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LABORATORY REPORT

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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
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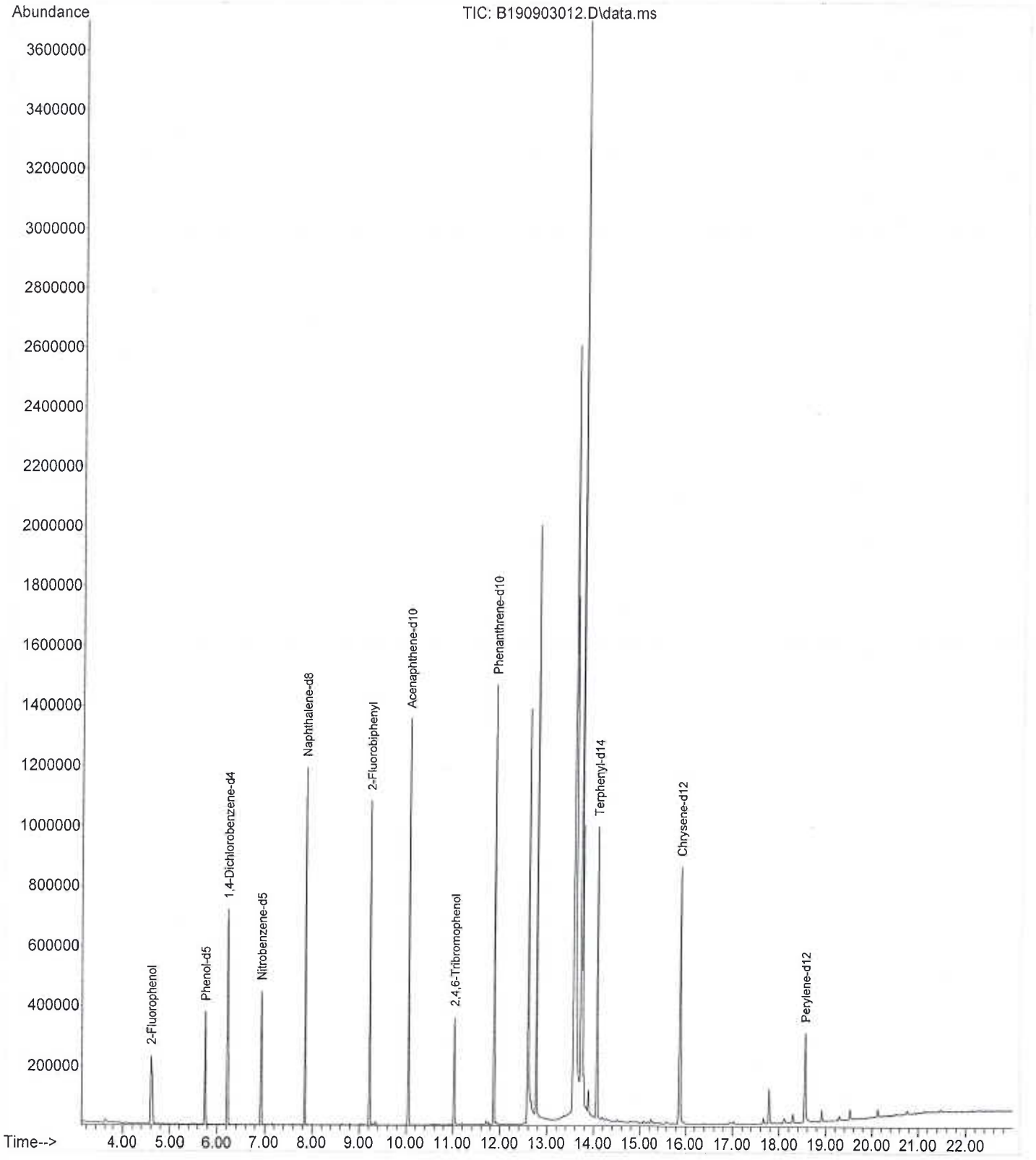
SAMPLE I.D.: **DCO #2** LAB I.D.: 190829-45

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903012.D
Operator :
Acquired : 3 Sep 2019 2:45 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-45 1/2000
Misc Info : 8270
Vial Number: 13



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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **DCO #3** LAB I.D.: 190829-46

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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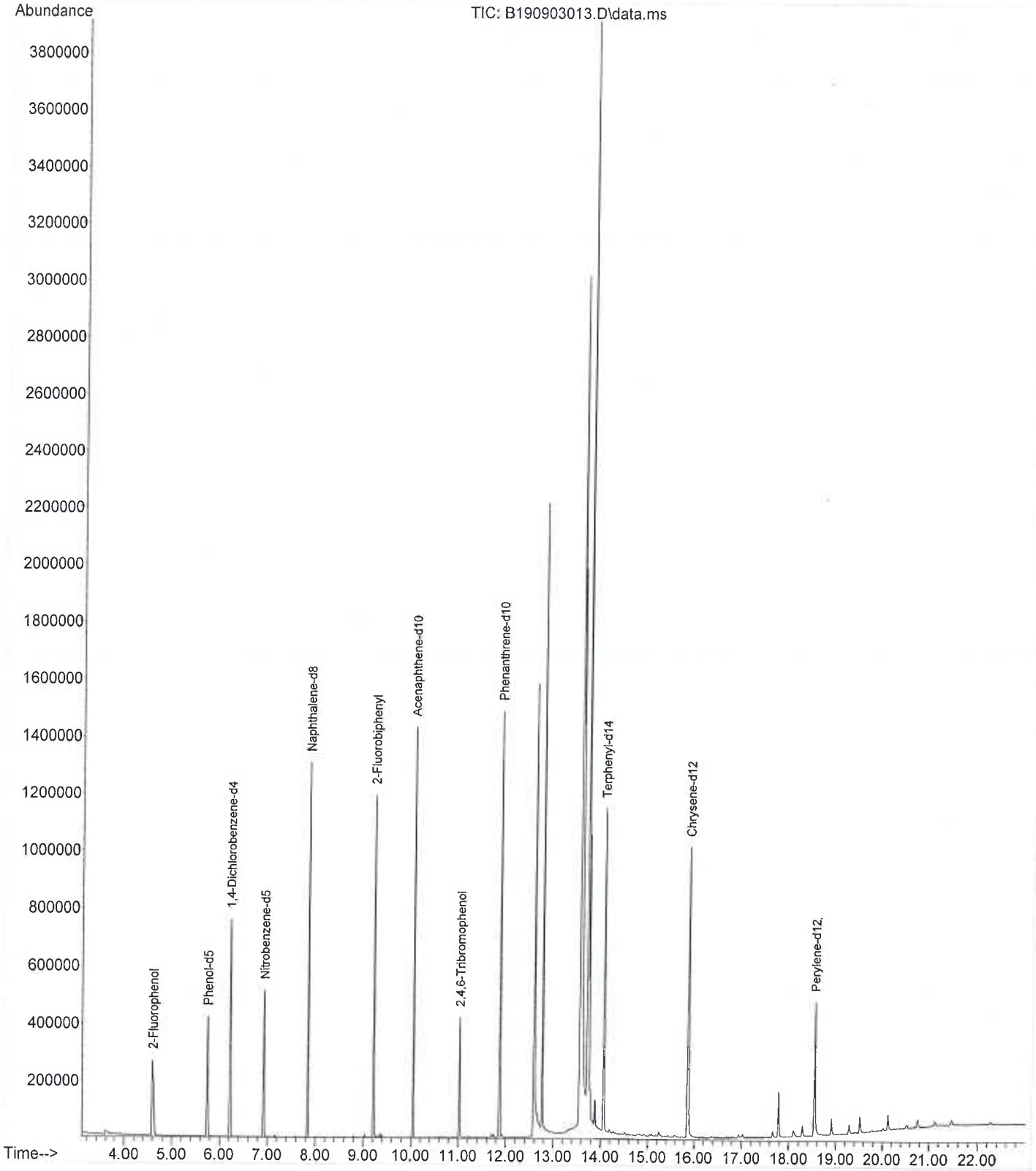
SAMPLE I.D.: **DCO #3** LAB I.D.: 190829-46

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903013.D
Operator :
Acquired : 3 Sep 2019 3:15 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-46 1/2000
Misc Info : 8270
Vial Number: 14



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TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX: SLUDGE
DATE SAMPLED: 08/29/19
REPORTED TO: MR. HOWARD CHANG

DATE RECEIVED: 08/29/19
DATE EXTRACTED: 09/03/19
DATE ANALYZED: 09/03/19
DATE REPORTED: 09/06/19

SAMPLE I.D.: **UCO #1** LAB I.D.: 190829-47

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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DATE REPORTED:09/06/19

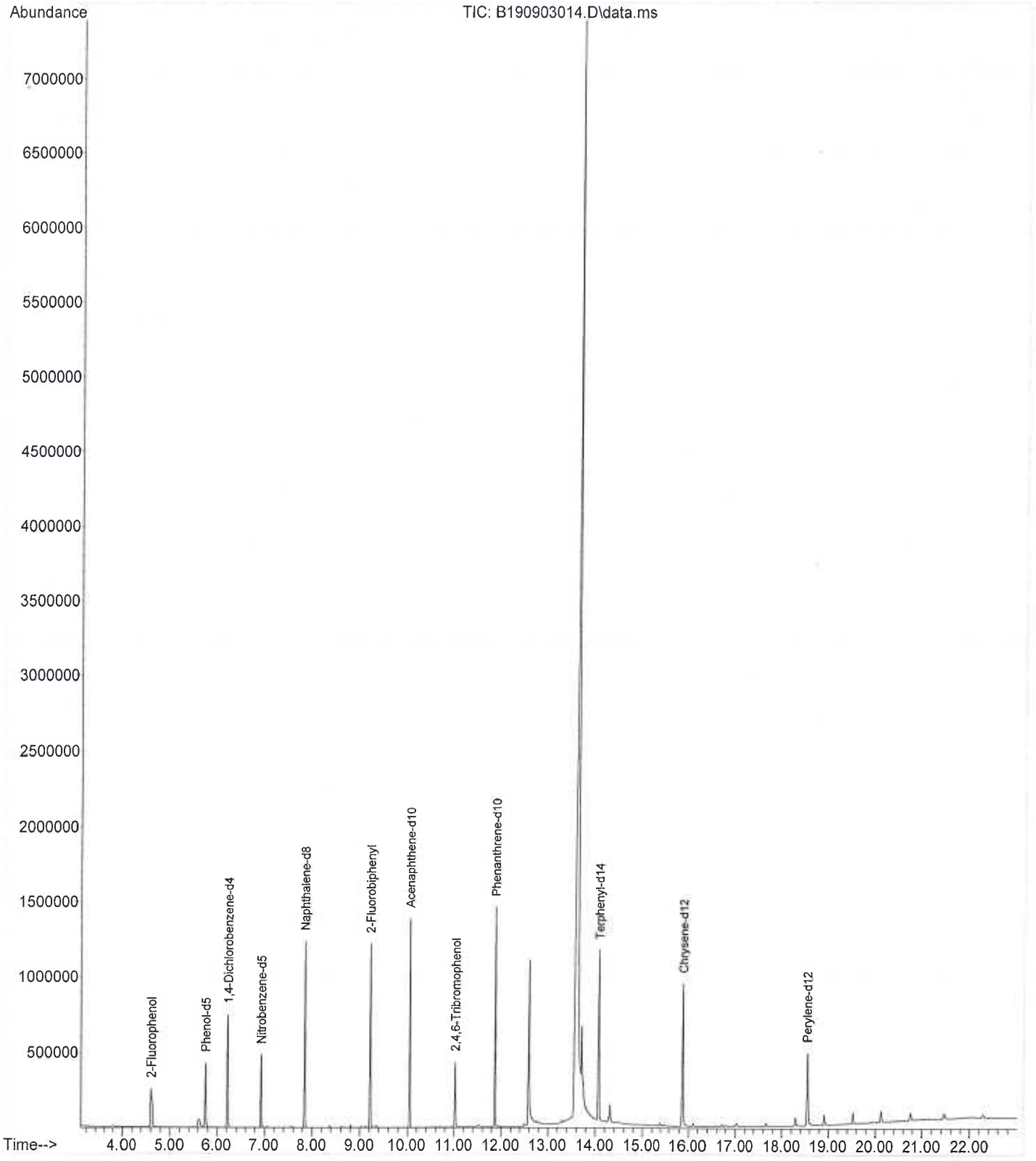
SAMPLE I.D.: **UCO #1** LAB I.D.: 190829-47

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903014.D
Operator :
Acquired : 3 Sep 2019 3:46 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-47 1/2000
Misc Info : 8270
Vial Number: 15



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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #2** LAB I.D.: 190829-48

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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MATRIX:SLUDGE
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DATE REPORTED:09/06/19

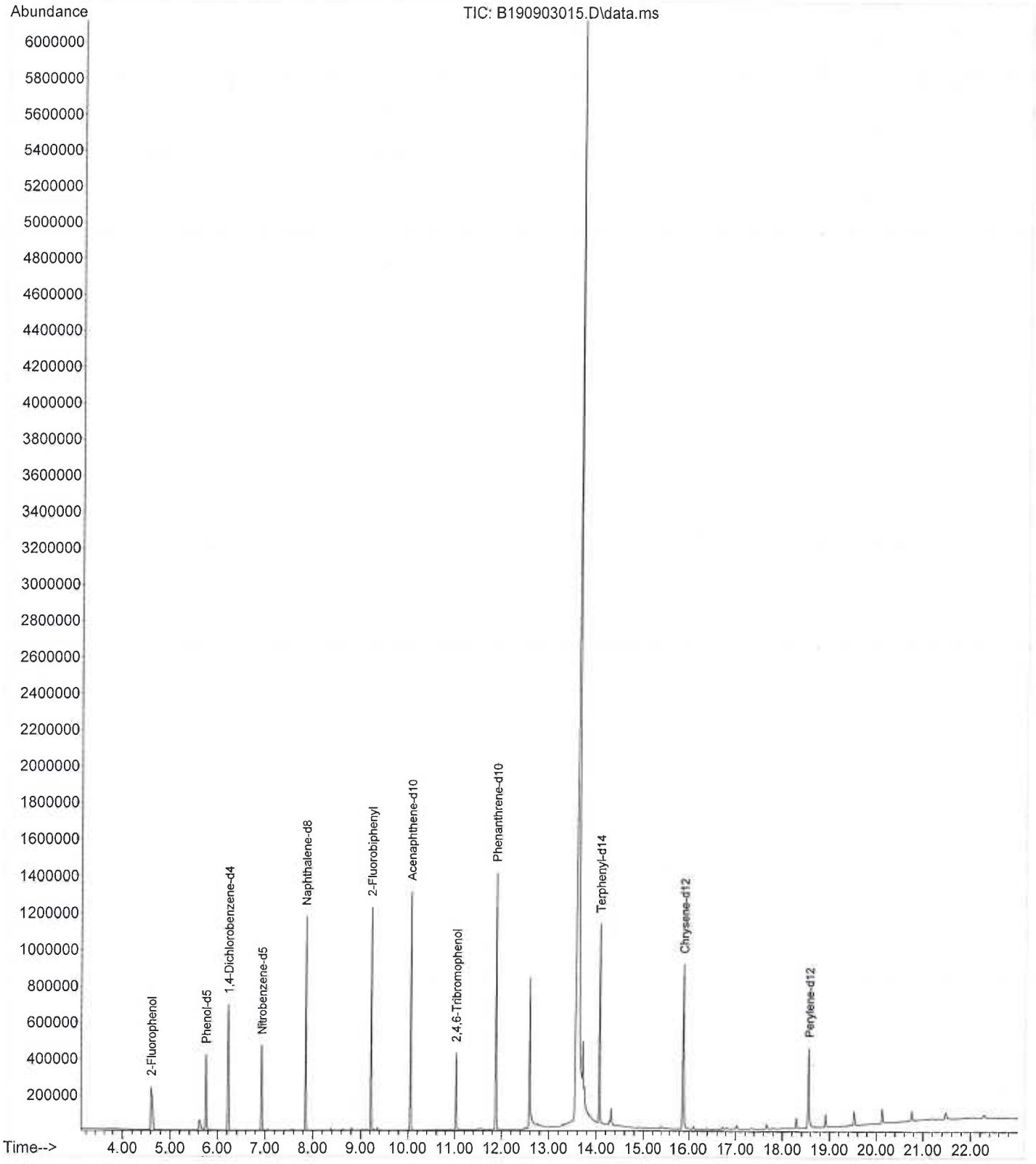
SAMPLE I.D.: **UCO #2** LAB I.D.: 190829-48

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903015.D
Operator :
Acquired : 3 Sep 2019 4:16 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-48 1/2000
Misc Info : 8270
Vial Number: 16



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PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

SAMPLE I.D.: **UCO #3** LAB I.D.: 190829-49

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **ALTAIR PARAMOUNT, LLC**
14700 DOWNEY AVE., PARAMOUNT, CA 90723
TEL(562)748-4608 E-MAIL:Hchang@WORLDENERGY.NET

PROJECT: **Tech Tallow/Packer/DCO/UCO**

MATRIX:SLUDGE
DATE SAMPLED:08/29/19
REPORTED TO:MR. HOWARD CHANG

DATE RECEIVED:08/29/19
DATE EXTRACTED:09/03/19
DATE ANALYZED:09/03/19
DATE REPORTED:09/06/19

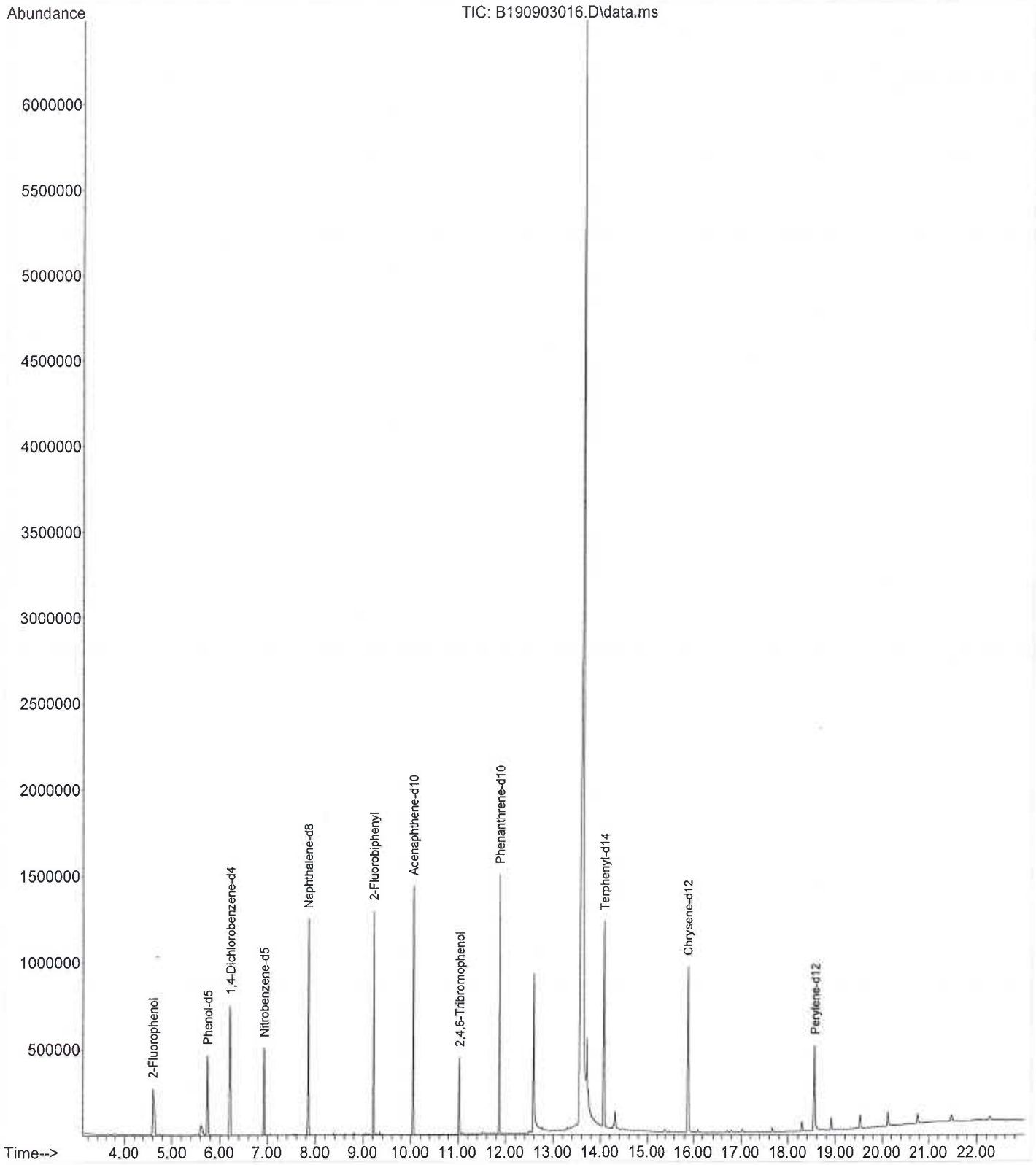
SAMPLE I.D.: **UCO #3** LAB I.D.: 190829-49

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X4000*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
* = PQL RAISED DUE TO MATRIX INTERFERENCE
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2019Data\1909\190903\B190903016.D
Operator :
Acquired : 3 Sep 2019 4:47 pm using AcqMethod 8270_044.M
Instrument : 5975 GCMS
Sample Name: 190829-49 1/2000
Misc Info : 8270
Vial Number: 17



Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

Misc./PO# U101507

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: 8260	8270	CAM Metals	COMMENTS
Tech Tallow #1	1P0899-38	8/29/19	7:30a					X	X	X	
Tech Tallow #2	-39	"	"			1xCAM		X	X	X	
Tech Tallow #3	-40	"	"					X	X	X	
Packer #1	-41	"	"					X	X	X	
Packer #2	-42	"	"			1xCAM		X	X	X	
Packer #3	-43	"	"					X	X	X	
DCO #1	-44	"	"	Liq				X	X	X	
DCO #2	-45	"	"			1-60ml		X	X	X	
DCO #3	-46	"	"			Amber		X	X	X	
UCO #1	-47	"	"	Liq				X	X	X	
UCO #2	-48	"	"			1-60ml		X	X	X	
UCO #3	-49					Amber					

A-114

Company Name: AltAir Paramount LLC
Address: 14700 Downey Avenue
City/State/Zip: Paramount CA 90723

Project Contact: Howard Chang
Tel: 562 748 4608
Fax/Email: hchang@worldenergy.net

Sampler's Signature:
Project Name/ID:

Relinquished by: [signature] Date & Time: 8/29/19 1320
Relinquished by: [signature] Date & Time: 8/29/19 1450
Relinquished by: Date & Time:

Received by: [signature]
Received by: [signature]
Received by:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client X Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 8/29/19

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: April 1, 2021

Ms. Kathryn Gleeson
AltAir Paramount, LLC
14700 Downey Ave
Paramount, CA 90723-1418
Tel:(562)748-4613 E-Mail: KGleeson@WorldEnergy.net

Project: **AltAir Paramount Conversion Project**
Lab I.D.: **210331-34, -35, -36**

Dear Ms. Gleeson:

The **analytical results** for the liquid samples, received by our lab on March 31, 2021, are attached. The samples were received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **AltAir Paramount, LLC**
14700 Downey Ave., Paramount, CA 90723
Tel: (562) 748-4613 E-Mail: KGeeson@WorldEnergy.Net

PROJECT: **AltAir Paramount Conversion Project**
SAMPLING DATE: 03/30/21 DATE RECEIVED: 03/31/21
MATRIX: LIQUID DATE ANALYZED: 04/01/21
REPORTED TO: MS. KATHRYN GLEESON DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001A (Soy Oil)** LAB I.D.: 210331-34

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	1.25	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.514	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **AltAir Paramount, LLC**
14700 Downey Ave., Paramount, CA 90723
Tel:(562)748-4613 E-Mail: KGeeson@WorldEnergy.Net

PROJECT: **AltAir Paramount Conversion Project**
SAMPLING DATE:03/30/21 DATE RECEIVED:03/31/21
MATRIX:LIQUID DATE ANALYZED:04/01/21
REPORTED TO:MS. KATHRYN GLEESON DATE REPORTED:04/01/21

SAMPLE I.D.: **TK 6001A (Soy Oil)** LAB I.D.: 210331-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **AltAir Paramount Conversion Project**
SAMPLING DATE:03/30/21 DATE RECEIVED:03/31/21
MATRIX:LIQUID DATE ANALYZED:04/01/21
REPORTED TO:MS. KATHRYN GLEESON DATE REPORTED:04/01/21

SAMPLE I.D.: **TK 6001A (Soy Oil)** LAB I.D.: 210331-34

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	0.285	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005
N-HEXANE	0.914	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **AltAir Paramount, LLC**
14700 Downey Ave., Paramount, CA 90723
Tel: (562) 748-4613 E-Mail: KGeeson@WorldEnergy.Net

PROJECT: **AltAir Paramount Conversion Project**

SAMPLING DATE: 03/30/21
MATRIX: LIQUID
REPORTED TO: MS. KATHRYN GLEESON

DATE RECEIVED: 03/31/21
DATE EXTRACTED: 03/31/21
DATE ANALYZED: 03/31/21
DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001A (Soy Oil)** LAB I.D.: 210331-34

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X400*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **AltAir Paramount, LLC**
14700 Downey Ave., Paramount, CA 90723
Tel: (562) 748-4613 E-Mail: KGeeson@WorldEnergy.Net

PROJECT: **AltAir Paramount Conversion Project**

SAMPLING DATE: 03/30/21
MATRIX: LIQUID
REPORTED TO: MS. KATHRYN GLEESON

DATE RECEIVED: 03/31/21
DATE EXTRACTED: 03/31/21
DATE ANALYZED: 03/31/21
DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001A (Soy Oil)** LAB I.D.: 210331-34

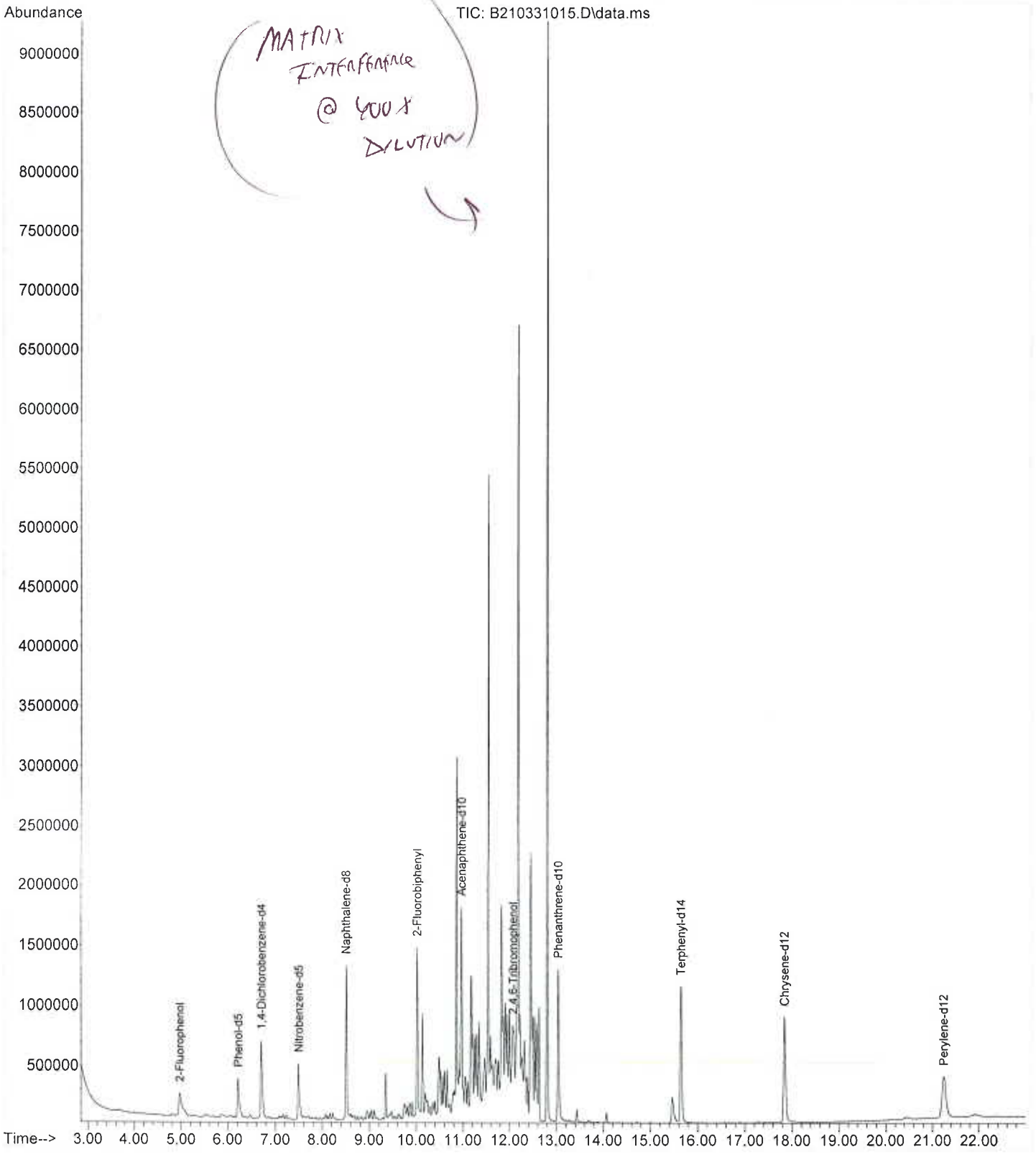
SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X400*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
* = PQL RAISED DUE TO MATRIX INTERFERENCE
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2021Data\2103\210331\B210331015.D
Operator :
Acquired : 31 Mar 2021 5:08 pm using AcqMethod 8270_049.M
Instrument : 5975 GCMS
Sample Name: 210331-34 1/200 R24 LIQ
Misc Info : 8270
Vial Number: 13

TK 6001 A



Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **AltAir Paramount, LLC**
14700 Downey Ave., Paramount, CA 90723
Tel: (562) 748-4613 E-Mail: KGeeson@WorldEnergy.Net

PROJECT: **AltAir Paramount Conversion Project**
SAMPLING DATE: 03/30/21 DATE RECEIVED: 03/31/21
MATRIX: LIQUID DATE ANALYZED: 04/01/21
REPORTED TO: MS. KATHRYN GLEESON DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001B (Soy Oil)** LAB I.D.: 210331-35

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.224	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **AltAir Paramount, LLC**
14700 Downey Ave., Paramount, CA 90723
Tel: (562) 748-4613 E-Mail: KGeeson@WorldEnergy.Net

PROJECT: **AltAir Paramount Conversion Project**
SAMPLING DATE: 03/30/21 DATE RECEIVED: 03/31/21
MATRIX: LIQUID DATE ANALYZED: 04/01/21
REPORTED TO: MS. KATHRYN GLEESON DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001B (Soy Oil)** LAB I.D.: 210331-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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SAMPLING DATE: 03/30/21 DATE RECEIVED: 03/31/21
MATRIX: LIQUID DATE ANALYZED: 04/01/21
REPORTED TO: MS. KATHRYN GLEESON DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001B (Soy Oil)** LAB I.D.: 210331-35

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	0.271	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005
N-HEXANE	ND	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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PROJECT: **AltAir Paramount Conversion Project**

SAMPLING DATE: 03/30/21
MATRIX: LIQUID
REPORTED TO: MS. KATHRYN GLEESON

DATE RECEIVED: 03/31/21
DATE EXTRACTED: 03/31/21
DATE ANALYZED: 03/31/21
DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001B (Soy Oil)** LAB I.D.: 210331-35

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X400*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **TK 6001B (Soy Oil)** LAB I.D.: 210331-35

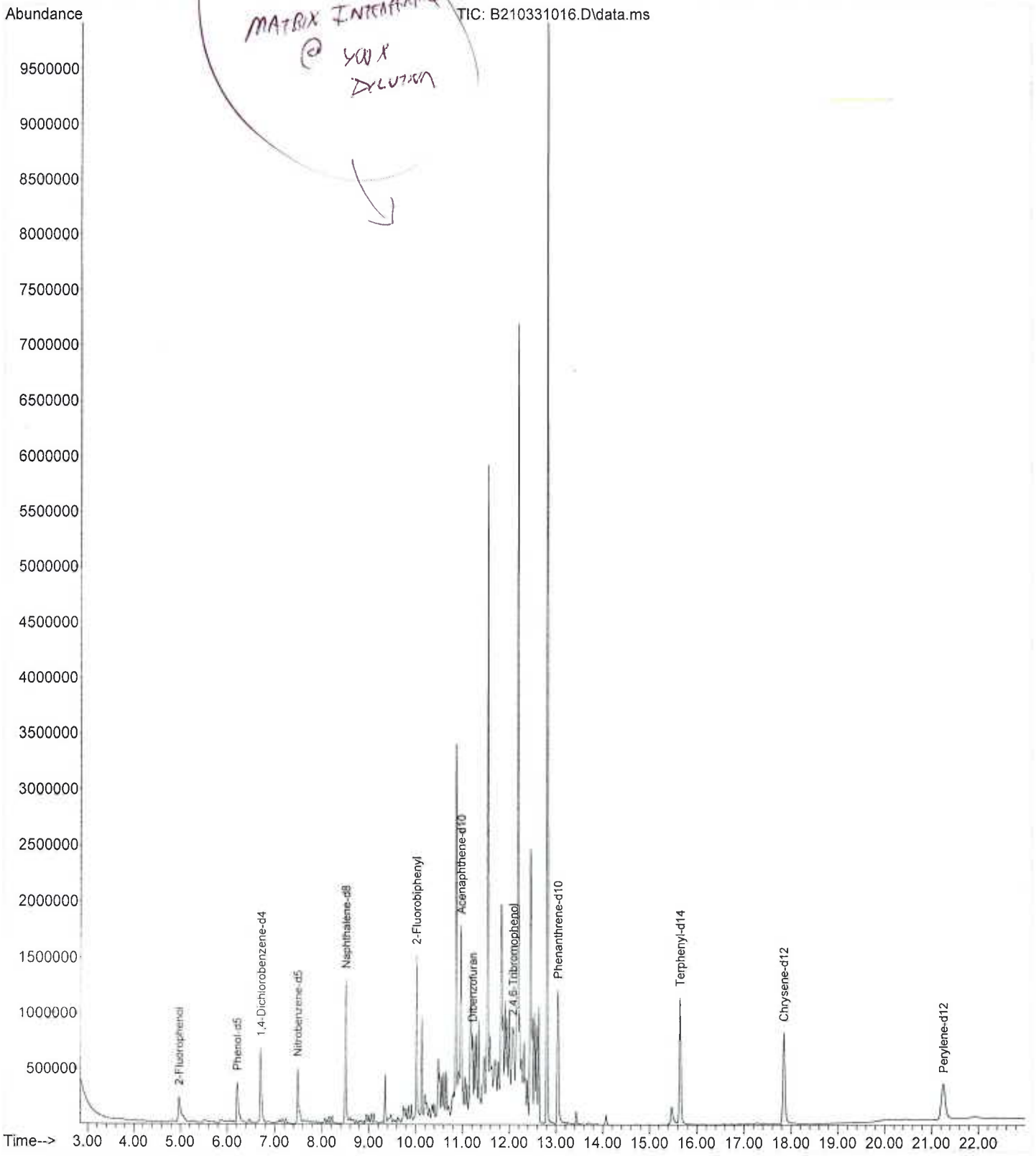
SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X400*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
* = PQL RAISED DUE TO MATRIX INTERFERENCE
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2021Data\2103\210331\B210331016.D
Operator :
Acquired : 31 Mar 2021 5:37 pm using AcqMethod 8270_049.M
Instrument : 5975 GCMS
Sample Name: 210331-35 1/200 R24 LIQ
Misc Info : 8270
Vial Number: 14

TA 6001B - MATRIX INTERFERENCE @ 400X DILUTION



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REPORTED TO: MS. KATHRYN GLEESON DATE REPORTED: 04/01/21

SAMPLE I.D.: **TK 6001C (Soy Oil)** LAB I.D.: 210331-36

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	0.400	1	500	15	6010B
Arsenic(As)	ND	0.200	1	500	5.0	6010B
Barium(Ba)	ND	2.00	1	10,000	100	6010B
Beryllium(Be)	ND	0.200	1	75	0.75	6010B
Cadmium(Cd)	ND	0.200	1	100	1.0	6010B
Chromium(Cr), Total	ND	0.200	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.020	-	500	5.0	7196A
Cobalt(Co)	ND	0.400	1	8,000	80	6010B
Copper(Cu)	ND	0.400	1	2,500	25	6010B
Lead(Pb)	ND	0.200	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.002	1	20	0.2	7470A
Molybdenum(Mo)	ND	2.00	1	3,500	350	6010B
Nickel(Ni)	ND	1.00	1	2,000	20	6010B
Selenium(Se)	ND	0.400	1	100	1.0	6010B
Silver(Ag)	ND	0.400	1	500	5.0	6010B
Thallium(Tl)	ND	0.400	1	700	7.0	6010B
Vanadium(V)	ND	2.00	1	2,400	24	6010B
Zinc(Zn)	0.241	0.200	1	5,000	250	6010B

COMMENTS:
DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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MATRIX:LIQUID DATE ANALYZED:04/01/21
REPORTED TO:MS. KATHRYN GLEESON DATE REPORTED:04/01/21

SAMPLE I.D.: **TK 6001C (Soy Oil)** LAB I.D.: 210331-36

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
ACETONE	ND	0.020
BENZENE	ND	0.005
BROMOBENZENE	ND	0.005
BROMOCHLOROMETHANE	ND	0.005
BROMODICHLOROMETHANE	ND	0.005
BROMOFORM	ND	0.005
BROMOMETHANE	ND	0.005
2-BUTANONE (MEK)	ND	0.020
N-BUTYLBENZENE	ND	0.005
SEC-BUTYLBENZENE	ND	0.005
TERT-BUTYLBENZENE	ND	0.005
CARBON DISULFIDE	ND	0.010
CARBON TETRACHLORIDE	ND	0.005
CHLOROBENZENE	ND	0.005
CHLOROETHANE	ND	0.005
CHLOROFORM	ND	0.005
CHLOROMETHANE	ND	0.005
2-CHLOROTOLUENE	ND	0.005
4-CHLOROTOLUENE	ND	0.005
DIBROMOCHLOROMETHANE	ND	0.005
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.005
1,2-DIBROMOETHANE	ND	0.005
DIBROMOMETHANE	ND	0.005
1,2-DICHLOROBENZENE	ND	0.005
1,3-DICHLOROBENZENE	ND	0.005
1,4-DICHLOROBENZENE	ND	0.005
DICHLORODIFLUOROMETHANE	ND	0.005
1,1-DICHLOROETHANE	ND	0.005
1,2-DICHLOROETHANE	ND	0.005
1,1-DICHLOROETHENE	ND	0.005
CIS-1,2-DICHLOROETHENE	ND	0.005
TRANS-1,2-DICHLOROETHENE	ND	0.005
1,2-DICHLOROPROPANE	ND	0.005

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **TK 6001C (Soy Oil)** LAB I.D.: 210331-36

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X50
1,3-DICHLOROPROPANE	ND	0.005
2,2-DICHLOROPROPANE	ND	0.005
1,1-DICHLOROPROPENE	ND	0.005
CIS-1,3-DICHLOROPROPENE	ND	0.005
TRANS-1,3-DICHLOROPROPENE	ND	0.005
ETHYLBENZENE	ND	0.005
2-HEXANONE	ND	0.020
HEXACHLOROBUTADIENE	ND	0.005
ISOPROPYLBENZENE	ND	0.005
4-ISOPROPYLTOLUENE	ND	0.005
4-METHYL-2-PENTANONE (MIBK)	ND	0.020
METHYL tert-BUTYL ETHER (MTBE)	ND	0.005
METHYLENE CHLORIDE	ND	0.010
NAPHTHALENE	ND	0.005
N-PROPYLBENZENE	ND	0.005
STYRENE	ND	0.005
1,1,1,2-TETRACHLOROETHANE	ND	0.005
1,1,2,2-TETRACHLOROETHANE	ND	0.005
TETRACHLOROETHENE (PCE)	ND	0.005
TOLUENE	0.277	0.005
1,2,3-TRICHLOROBENZENE	ND	0.005
1,2,4-TRICHLOROBENZENE	ND	0.005
1,1,1-TRICHLOROETHANE	ND	0.005
1,1,2-TRICHLOROETHANE	ND	0.005
TRICHLOROETHENE (TCE)	ND	0.005
TRICHLOROFLUOROMETHANE	ND	0.005
1,2,3-TRICHLOROPROPANE	ND	0.005
1,2,4-TRIMETHYLBENZENE	ND	0.005
1,3,5-TRIMETHYLBENZENE	ND	0.005
VINYL CHLORIDE	ND	0.005
M/P-XYLENE	ND	0.010
O-XYLENE	ND	0.005
N-HEXANE	0.907	0.005

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

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SAMPLING DATE: 03/30/21
MATRIX: LIQUID
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SAMPLE I.D.: **TK 6001C (Soy Oil)** LAB I.D.: 210331-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL X400*
Acenaphthene	ND	0.50
Acenaphthylene	ND	0.50
Anthracene	ND	0.50
Benzo(a)anthracene	ND	0.50
Benzo(b)fluoranthene	ND	0.50
Benzo(a)pyrene	ND	0.50
Benzo(g,h,i)perylene	ND	0.50
Benzo(k)fluoranthene	ND	0.50
Benzoic Acid	ND	2.50
Benzyl Alcohol	ND	0.50
Bis(2-Chloroethoxy)methane	ND	0.50
Bis(2-Chloroethyl)ether	ND	0.50
Bis(2-Chloroisopropyl)ether	ND	0.50
Bis(2-Ethylhexyl)Phthalate	ND	0.50
4-Bromophenyl Phenyl Ether	ND	0.50
Butylbenzylphthalate	ND	0.50
4-Chloro-3-Methylphenol	ND	0.50
4-Chloroaniline	ND	0.50
2-Chloronaphthalene	ND	0.50
2-Chlorophenol	ND	0.50
4-Chlorophenyl Phenyl Ether	ND	0.50
Chrysene	ND	0.50
Di-n-butylphthalate	ND	0.50
Di-n-octylphthalate	ND	0.50
Dibenzo(a,h)anthracene	ND	0.50
Dibenzofuran	ND	0.50
1,2-Dichlorobenzene	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
3,3-Dichlorobenzidine	ND	0.50
2,4-Dichlorophenol	ND	0.50
Diethyl Phthalate	ND	0.50
2,4-Dimethylphenol	ND	0.50
Dimethyl Phthalate	ND	0.50

----- TO BE CONTINUED ON PAGE #2 -----

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SAMPLE I.D.: **TK 6001C (Soy Oil)** LAB I.D.: 210331-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

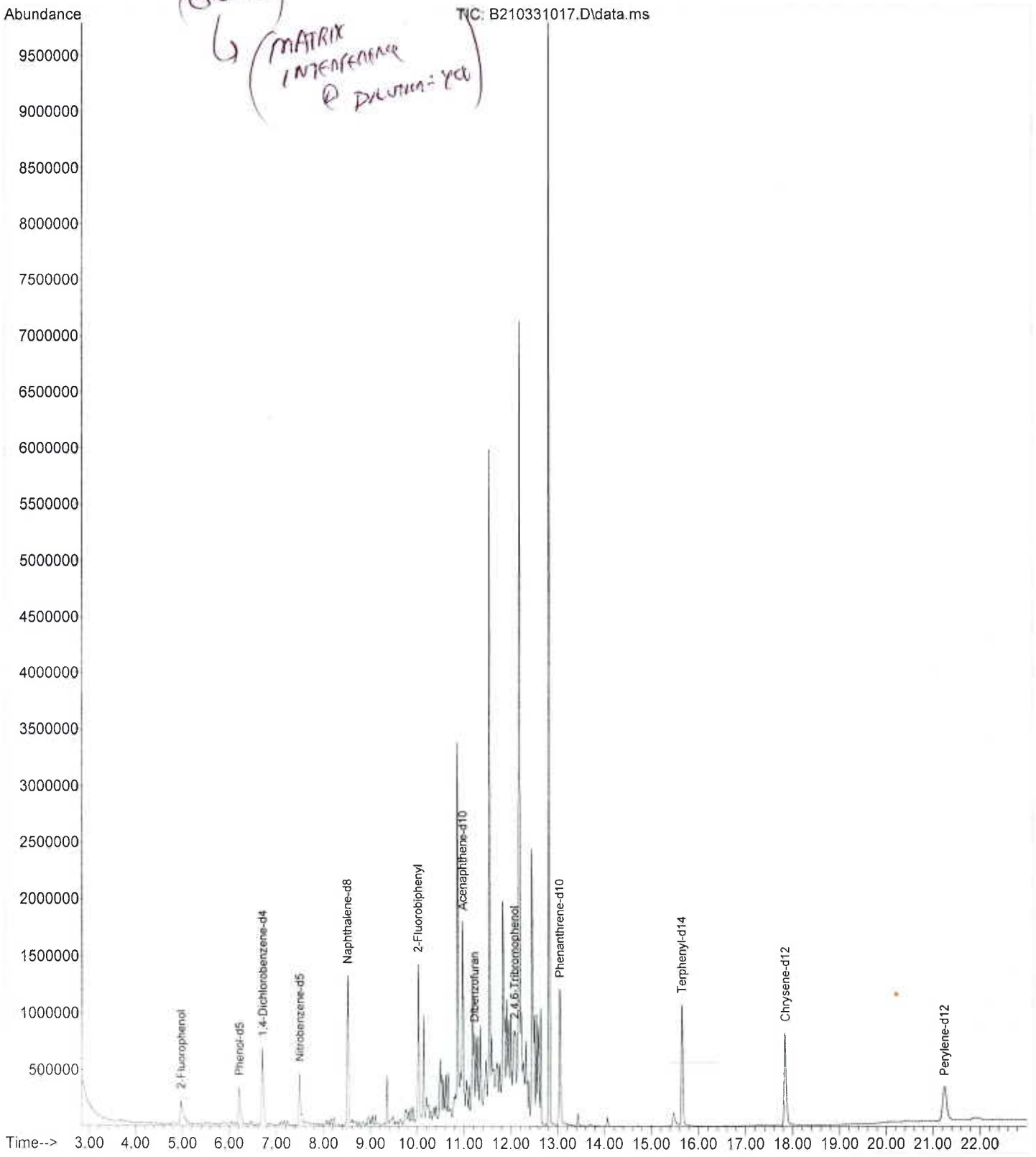
PARAMETER	SAMPLE RESULT	PQL X400*
4,6-Dinitro-2-methylphenol	ND	0.50
2,4-Dinitrophenol	ND	0.50
2,4-Dinitrotoluene	ND	0.50
2,6-Dinitrotoluene	ND	0.50
Fluoranthene	ND	0.50
Fluorene	ND	0.50
Hexachlorobenzene	ND	0.50
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	0.50
Hexachloroethane	ND	0.50
Indeno(1,2,3-cd)pyrene	ND	0.50
Isophorone	ND	0.50
2-Methyl Phenol	ND	0.50
3/4-Methyl Phenol	ND	0.50
2-Methylnaphthalene	ND	0.50
N-Nitroso-di-n-dipropylamine	ND	0.50
N-Nitrosodimethylamine	ND	0.50
N-Nitrosodiphenylamine	ND	0.50
Naphthalene	ND	0.50
2-Nitroaniline	ND	0.50
3-Nitroaniline	ND	0.50
4-Nitroaniline	ND	0.50
Nitrobenzene	ND	0.50
2-Nitrophenol	ND	0.50
4-Nitrophenol	ND	0.50
Pentachlorophenol	ND	0.50
Phenanthrene	ND	0.50
Phenol	ND	0.50
Pyrene	ND	0.50
Pyridine	ND	0.50
1,2,4-Trichlorobenzene	ND	0.50
2,4,5-Trichlorophenol	ND	0.50
2,4,6-Trichlorophenol	ND	0.50

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
* = PQL RAISED DUE TO MATRIX INTERFERENCE
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

File :D:\Data\2021Data\2103\210331\B210331017.D
Operator :
Acquired : 31 Mar 2021 6:07 pm using AcqMethod 8270_049.M
Instrument : 5975 GCMS
Sample Name: 210331-36 1/200 R24 LIQ
Misc Info : 8270
Vial Number: 15

TANK 6001C

MATRIX INTERFERENCE @ DILUTION = YES



Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
X 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

RUSH!

Misc./PO# U103921

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: 8260 + hexane	Analysis Required: 8270	Analysis Required: CAM Metals	COMMENTS
Tk 6001A (soy oil)	2103321-34	3/30/21	1000	AQ	1	1	–	X	X	X	
Tk 6001B (soy oil)	-35	3/30/21	1100	AQ	1	–	–	X	X	X	
Tk 6001C (soy oil)	-36	3/30/21	1130	AQ	1	–	–	X	X	X	

~~1000~~ 1X LA

RUSH!

A-134

Company Name: AltAir Paramount LLC
Address: 14700 Downey Ave.
City/State/Zip: Paramount, CA 90723

Project Contact: Attn Kathy Gleeson
Tel: 562-748-4613
Fax/Email: kgleeson@worldenergy.net

Sampler's Signature: George D.
Project Name/ID: AltAir Paramount Conversion Project

Relinquished by:	Received by:	Date & Time: 3/31/2021 1245
Relinquished by:	Received by:	Date & Time: 3/31/2021 1405
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
X Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 3/31/21

WHITE WITH SAMPLE • YELLOW TO CLIENT

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