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# SOIL CHARACTERIZATION REPORT

## Richmond-San Rafael Bridge Access Improvement Project

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# Soil Characterization Report
# Richmond-San Rafael Bridge Access Improvement Project

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This document has been prepared by SLR International Corp. The material and data in this report were prepared under the supervision and direction of the undersigned.

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# ACRONYMS

| | |
|---|---|
| ADL | Aerial Deposited Lead |
| BTXE | Benzene, Toluene, Xylenes, Ethylbenzene |
| CCTV | Closed circuit television |
| CIDH | concrete cast-in-drilled-hole |
| CMS | Electronic Changeable Message signs |
| DI | Deionized Water |
| DTSC | Department of Toxic Substances Control |
| EPA | Environmental Protection Agency |
| ESLs | Environmental Screening Levels |
| fbg | Feet Below Grade |
| GC | Gas chromatography |
| mg/kg | milligrams per kilogram |
| mg/L | milligrams per liter |
| MS | mass spectrometry |
| PPUL | peak period use lane |
| RCRA | Resource Conservation Recovery Act |
| RSR | Richmond – San Rafael |
| RWQCB | Regional Water Quality Control Board |
| SLR | SLR International Corp |
| STLC | Soluble Threshold Limit Concentration |
| TPH-D | Total petroleum hydrocarbons as diesel |
| TSA | Transportation Security Administration |
| TTLC | Total Threshold Limit Concentration |
| UCL | Upper Confidence Level |
| VOCs | Volatile Organic Compounds |
| WET | Waste Extraction Test |

# 1. INTRODUCTION

On behalf of Parikh Consultants Inc., SLR International Corporation (SLR) has prepared this Soil Characterization Report (Report) for the Richmond-San Rafael Bridge Access Improvement Project (Access Improvement Project) (Figure 1). The Access Improvement Project proposes to convert the existing shoulders on the Richmond San Rafael (RSR) Bridge to accommodate bicycle and pedestrian access on the upper bridge deck (westbound), and a new automobile travel lane on the lower deck (eastbound).

The purpose of this Report is to summarize waste characterization efforts associated with the project; present analytical data from sampling activities; and based on the analytical results, assess soil waste classification (i.e. hazardous or non-hazardous) and human health risks for on-site workers.

Project Description

The Richmond-San Rafael Bridge Access Improvement Project ("project") proposes to convert the existing shoulders on the Richmond-San Rafael ("RSR") Bridge to accommodate bicycle and pedestrian access on the upper bridge deck (westbound), and a new vehicular travel lane on the lower deck (eastbound). Bicycle and pedestrian access on the upper deck of the RSR Bridge would be provided by installing a barrier to separate bicyclists and pedestrians from motorists.

The total length of the project is approximately 6 miles [Contra Costa County post mile (PM) R4.98 to Marin County PM 3.16]. Within the project limits there are six existing structures; San Quentin Undercrossing (Main Street) (Br. No. 27-0070), the RSR Bridge (Br. No. 28-0100), Western Drive Undercrossing (Stenmark Drive) (Br. No. 28-0141R), Scofield Avenue Undercrossing (Br. No. 28-0140 L/R), Marine Street Undercrossing (Br. No. 28-0139), and the Castro Street Undercrossing (Br. No. 28-0290 L/R/S). All proposed improvements are anticipated to be within existing highway and local street rights-of-way, except as noted below in Project Element 3.

The project consists of three major components that are interrelated:

- Project Element 1: EB I-580 travel lane between Marin County and Contra Costa County
- Project Element 2: Bicycle/Pedestrian Path in Contra Costa County
- Project Element 3: Bicycle/Pedestrian Path on the RSR Bridge and connections to the RSR Bridge

**Project Element 1 – Eastbound I-580 Third Lane (including RSR Bridge Pilot Project)**

Project Element 1 of the proposed project would construct a new third travel lane by converting the existing shoulder of the eastbound lower deck of the RSR Bridge to a travel lane. The new lane will begin immediately downstream from the Main Street EB off-ramp in Marin County and terminate on the Contra Costa County side of the RSR Bridge, slightly downstream of the Marine Street/East Standard Avenue EB off-ramp in Richmond. The Bridge portion of the third lane on the lower deck will operate during peak hours only (as part of the pilot project). The exact hours of operation of the lane will be outlined in the Project Report. The off-Bridge portion of the third lane will operate 24 hours a day, 7 days per week. Electronic and static signs will be used to operate and manage the lane during the hours of operations and are included in the

project description below. The third travel lane on the RSR Bridge is part of a pilot project with Project Element 3, which will run for the duration of four years and is intended to test and evaluate the performance and use of the third travel lane. After four years, the third lane on the RSR Bridge will be evaluated to determine if it is to remain a peak period use lane (PPUL), be converted to a full-time use lane, or return to function as a shoulder. All other constructed components of Project Element 1 would be permanent. The EB I-580 third lane would include the following work elements:

1) Modify roadside post mounted signage on EB I-580 and install new roadside signs.

2) Install new electronic signs on the bridge to communicate to drivers when the third travel lane may be used. Electronic Changeable Message Signs (CMS) will indicate whether the lane is open or closed.

3) Modify striping on the EB Main Street/San Quentin off-ramp to extend the existing Sir Francis Drake auxiliary lane beyond the Main Street interchange. The extension of the auxiliary lane necessitates shifting of the median barrier approximately 10 feet northerly to improve stopping sight distance for mainline eastbound traffic, at the approach to the RSR Bridge.

4) Widen Main Street between the eastbound and westbound ramps to accommodate two 5-foot Class II bike lanes, maintaining the 5-foot sidewalk. A Type 7 (L-shaped) retaining wall will be constructed on the west side (southbound side) of Main Street under I-580 (Retaining Wall No.1). This element will be a permanent feature and is not part of the pilot test.

5) Realign the EB Main Street on-ramp to merge with the proposed travel lane. A Type 7 (L-shaped) retaining wall will be constructed along the left side of the ramp (Retaining Wall No.3). Standard construction methods will be used.

6) Reconstruct the southeast corner of the Main Street/WB off-ramp intersection and the northeast corner of the Main Street/EB on-ramp intersection and construct a new sidewalk on the southeast corner of the Main Street/EB on-ramp. A new Type 7 (L-shaped) wall will be constructed at the foot of the embankment slope at the San Quentin Undercrossing. The wall will curve around the corner behind the northeast Main Street sidewalk, onto the north side of the Main Street on-ramp (Retaining Wall No.2). The southeast sidewalk will be constructed along the east side of Main Street, from the sidewalk constructed by Marin Public Works prior to this project (approximately 25 feet south of the EB on-ramp) where it will conform to the right-of-way line. The sidewalk will continue around the southeast corner of the EB on-ramp intersection and along the south side of the EB on-ramp, where a new Golden Gate Transit bus shelter will be constructed. A new Type 5 retaining wall will be constructed along the south side of the Main Street on-ramp to preserve access to the electrical substation at the Caltrans Maintenance Yard (Retaining Wall No.6).

7) Reconstruct the right shoulder in the eastbound direction to create a travel lane from the RSR Bridge to the Marine Street off-ramp (CC PM R5.43).

8) Remove the existing 362.5-foot retaining wall along EB I-580, immediately downstream of the Scofield Avenue Undercrossing. A new ground anchor or “tie-back” retaining wall will be constructed approximately 15 feet south of the existing edge of pavement (Retaining Wall No.4). The new wall will improve the stopping sight distance along mainline EB I-580. An additional ground anchor retaining wall will be constructed 30 feet

east of Retaining Wall No. 4, providing additional shoulder and lane width (Retaining Wall No. 7). The new wall will require the removal of 85 feet of the existing retaining wall along EB I-580. Additional shoulder and lane width requires that the 8-foot by 7-foot tunnel utility running under EB I-580 be extended by 17 feet. This includes 8 feet of tunnel extension and 9 feet of access structure. This utility tunnel is located between Retaining Walls No. 4 and No. 7.

9) Reconfigure the Marine Street off-ramp exit nose to accommodate continuation of the eastbound travel lane and widen the inside of the existing off-ramp to provide additional storage for vehicle queuing.

10) Reconfigure East Standard Avenue between Marine Street and Castro Street to change one of the two westbound lanes to an eastbound lane by reconstructing the existing median barrier approximately 12 feet northerly. A permanent, Type 60 series concrete barrier will also be installed to separate the bicycle and pedestrian path from vehicular traffic. The barrier will extend along the south side of East Standard Avenue between Marine Street and Castro Street to the existing bicycle and pedestrian paths, linking the bicycle facilities on Tewksbury Avenue and Marine Street. Minor sliver widening will be required along East Standard Avenue to accommodate the full street configuration including shoulders.

11) Modify traffic signal and intersection operations, including upgrading, replacing, or adding new controller cabinets, traffic signal posts, and other intersection control equipment at three locations: EB I-580/Marine Street off-ramp, EB East Standard Avenue/Castro Street and WB I-580/Castro Street off-ramp. It is anticipated that any controller cabinets or traffic signal poles would be installed within the existing operational transportation right-of-way.

12) Install standard loop traffic monitoring stations in the pavement of the upper and lower bridge decks.

13) Mount CCTV cameras with eastbound and westbound views along the Bridge. CCTV cameras with eastbound views will begin on I-580 East in Marin County and end at the Marine Street interchange in Contra Costa County. CCTV cameras with westbound views will begin on the westbound RSR Bridge, westerly of the Toll Plaza, and end near the Main Street off-ramp.

14) Install ramp metering at two on-ramp locations: the eastbound Main Street single-lane on-ramp and the eastbound Standard Avenue two-lane on-ramp.

All improvements for Project Element 1 will be within existing local and state right-of-way.

**Project Element 2 – Bicycle/Pedestrian Path in Contra Costa County**

The proposed Class I bi-directional bicycle and pedestrian path in Contra Costa County would be constructed along the north side of westbound (WB) I-580 from the Marine Street interchange in Contra Costa County to Stenmark Drive (formerly Western Drive) and the Toll Plaza where it would then connect to Project Element 3. The Class I bi-directional bicycle and pedestrian path would be implemented along the existing WB I-580 and Stenmark Drive shoulders and would replace the existing one-way Class III bicycle lanes on both EB and WB I-580 between Marine Street and the Toll Plaza. The proposed bi-directional bicycle and pedestrian path would be separated from vehicle traffic by a continuous concrete barrier. Implementation of the path would include the following work elements:

1) Install a Class I bi-directional path for bicycles and pedestrians separated from automobile traffic by a permanent concrete barrier. The path will begin at the existing

bike lane and sidewalk on the Marine Street EB off-ramp and continue parallel with WB I-580 to the Stenmark Drive off-ramp.

2) Widen the north side of the existing Stenmark Drive off-ramp to provide an inside shoulder, a vehicle lane, an outside shoulder, a concrete barrier, and a 12-foot bi-directional bicycle/pedestrian path. A new retaining wall will be constructed along the north side of the bi-directional bicycle and pedestrian path (Retaining Wall No.5). The new wall will be set back 14 feet from the existing edge of the travel way. Bicycle/pedestrian path improvements along Stenmark Drive between stations 1 and 3 will be no more than 3 feet deep. Standard construction methods will be used.

3) Install a crosswalk at Stenmark Drive to continue the Class I bi-directional bicycle and pedestrian path further west on the south side of Stenmark Drive, where it will connect to the existing bicycle trail and to the Point Molate path being constructed by East Bay Regional Parks (separate project).

4) Replace existing railings on the Scofield Avenue Undercrossing with a Transportation Security Administration (TSA) approved visual screen (similar to a chain-link fence) or wall to physically and visually block access to the adjacent Chevron fuel pipelines. The visual screen or wall will be designed to prevent the general public from dropping objects onto Chevron's petroleum facilities below.

5) PG&E will relocate utility poles and overhead wires along Stenmark Drive to a location of their choice, within local and state right-of-way (may be underground). Currently the poles are within the footprint of the multi-use path.

6) Project Element 2 is expected to require installation of new roadside signs and relocation or removal of existing signs.

All improvements for Project Element 2 will be within existing local and state right-of-way.

**Project Element 3 – Bicycle/Pedestrian Path on RSR Bridge and Related Connections to RSR Bridge (Pilot Project)**

Project Element 3 includes the continuation of the proposed Class I bi-directional bicycle and pedestrian path from the Stenmark Drive off-ramp to East Francisco Boulevard at Grange Avenue. The portion of the bi-directional bicycle and pedestrian path from Stenmark Drive to the Main Street off-ramp would be part of the pilot project that would run for four years, intended to evaluate the performance and use of a bicycle and pedestrian path on the RSR Bridge. After four years, the bi-directional bicycle and pedestrian path on the RSR Bridge may be made permanent, or may return to functioning as a shoulder. All other portions of the bike path would be permanent. Bicycle and pedestrian access improvements are also included in this project element to improve multimodal circulation and connections to the RSR Bridge. Implementation of Project Element 3 would include the following work elements:

1) Install a 10-foot wide Class I bi-directional bicycle and pedestrian path from Stenmark Drive west of the Toll Plaza Maintenance Buildings on an easement through Chevron property, connecting to the bicycle and pedestrian path on the RSR Bridge.

2) Install a 10-foot wide Class I bi-directional bicycle/pedestrian path on the westbound upper deck of the RSR Bridge, separated from motor vehicle traffic by a 42-inch moveable concrete barrier. The 18-inch wide moveable barrier would start near the end of the maintenance facility and continue across the RSR Bridge to the Marin County side of WB I-580. The barrier would be movable to provide emergency access, access for RSR Bridge maintenance, and other safety considerations.

3) Raise the outside bridge railing to approximately 48 inches above the utility tray (approximately 60 inches above the RSR Bridge deck) to provide additional fall protection for bicyclists and pedestrians. Install necessary signage to properly guide pedestrian and bicycle traffic onto and off the bike path.

4) Realign the Main Street off-ramp to continue the Class I bicycle/pedestrian path onto Francisco Boulevard between Main Street and Grange Avenue. From Grange Avenue, bicyclists and pedestrians can connect to other existing off-street and on-street routes, including the Class I San Francisco Bay Trail.

5) Install bike detection systems on the westbound upper deck of the Bridge. The bike detection system for the bicycle/pedestrian path on the Bridge will be located at the Marin side approach to the Bridge at the East Francisco Boulevard off-ramp. The bike detection system for the bicycle/pedestrian path in Contra Costa County will be located near the Toll Plaza.

6) Project Element 3 is expected to require installation of new roadside signage, and relocation or removal of existing signs.

With the exception of the segment of the bicycle/pedestrian path adjacent to the maintenance facility located on an easement to be provided by Chevron, all improvements for Project Element 3 will be located within local and state right-of-way.

Construction Methods, Access and Staging

For all three Project Elements, lane and ramp closures will be required to construct retaining walls, widen shoulders, modify and restripe lanes, modify and install railings, and install signage and electrical conduits. Total anticipated construction duration for the project is 12 to 24 months.

Existing access routes will be used for construction of the project and most of the project will be built within the existing transportation right of way. The most significant new construction for the project will be the removal and replacement of the existing retaining wall along EB I-580 between the Scofield Avenue Undercrossing and the Marine Street off-ramp (Retaining Wall No.4). The construction of this new ground anchor or “tie-back” wall is envisioned to be a “top-down” construction where the existing wall will be demolished starting at the top, earthwork will be excavated behind the existing wall, and the new tie-back wall will be built by applying shotcrete to the new vertical surface and installing the tie-backs. For this work, access to the top of the existing wall will be required. Preliminary engineering indicates that access can be most readily accommodated by constructing an access road from the existing highway shoulder to the top of the wall. This access road would be approximately 20 feet in width and would begin on the eastern end of the existing retaining wall.

The following staging areas are available within the existing right-of-way and may be used during construction: the pull out area on the shoulder of EB I-580 in San Rafael, between Sir Francis Drake on-ramp and Main Street off-ramp and the pull out area on the right shoulder of EB I-580, south of the toll booths. If additional staging areas are required by the contractor, the contractor will be required to determine their location and complete any necessary environmental clearance.

# 2. SOIL CHARACTERIZATION

## 2.1 SOIL CHARACTERIZATION ACTIVITIES

Twenty shallow soil borings were advanced by hand auger to a maximum depth of 2 feet below the existing grade (fbg) at eastbound I-580, eastbound I-580 Main St on-ramp, and westbound I-580 Main St off-ramp in San Rafael, Marin County, CA and at eastbound I-580, westbound I-580 Western Ave off-ramp, and eastbound I-580 Marine St off ramp in Richmond, Contra Costa, CA between Richmond-San Rafael Bridge and Marine Street. Boring locations for Marin are included as Figure 2. Boring locations for Contra Costa are included as Figures 3 through 5.

## 2.2 ANALYTICAL RESULTS

### 2.2.1 SCREENING CRITERIA

As stated above, the purpose of this Soil Characterization Report is to assess soil waste classification (i.e. hazardous or non-hazardous) and human health risks for on-site workers. Initially all soil samples were analyzed for Total Metals by EPA 6010B and 7471A, TPH-Extractables by GC (EPA 8015B), and TPH-Purgeables and/or BTXE by GC (EPA 8015B). Select samples were analyzed for Volatile Organics by GC/MS (EPA 8260B) within the Chevron corridor.

In order to determine human health risks for on-site workers, data from soil samples were compared to California Regional Water Quality Board (RWQCB), San Francisco Bay Region Environmental Screening Levels (ESLs) Direct-exposure screening levels construction/trench workers. According to the *User's Guide: Derivation and Application of Environmental Screening Levels* (RWQCB, 2013) the following assumptions were utilized in determining the screening values:

> "A construction worker is assumed to be exposed to contaminated soil during the work day for the duration of a single on-site construction project. A construction worker is assumed to be exposed to chemicals in soil via incidental ingestion, dermal contact, and inhalation due to volatilization and fugitive dust. While a construction worker receptor is assumed to have a higher soil ingestion rate than a commercial/industrial worker due to the type of activities performed during construction projects, the exposure frequency and duration are typically of shorter duration due to the short-term nature of construction projects. However, chronic toxicity information was used when developing screening levels for a construction worker receptor. This approach is more conservative than using sub-chronic toxicity data because it combines the relatively short exposure duration of construction-related exposures with chronic toxicity criteria."

In order to determine waste classifications, soil analytical results were first compared to Total Threshold Limit Concentration (TTLC). If a concentration exceeded the TTLC for an analyte, then that sample was deemed a RCRA hazardous waste, and consequently soils removed from the area the sample was collected from must all be treated as RCRA hazardous waste.

SLR then reviewed soils analytical results that were below TTLC values, and compared them to Soluble Threshold Limit Concentration (STLC) screening levels. To determine the likely concentration that would trigger a STLC exceedance, SLR had the laboratory analyze constituents under the STLC method 6010B WET for a range of samples whose concentrations exceeded the STLC threshold by tenfold. This leaching procedure is used to evaluate the mobility of contaminants in landfills. It is used within the State of California for hazardous waste characterization, to determine which type of landfill will be able to accept the material. The Waste Extraction Test (WET), used to generate a leachate for STLC determination, uses 50 grams of sample combined with 500 mL of leaching fluid (1:10). Citric acid is used as the extractant in the analysis.

If the actual STLC result exceeded the screening criteria, or the total concentration fell within the newly determined total concentration range likely to trigger an STLC exceedence; then that area would be designated as containing soils which would require California hazardous waste designation upon their removal.

Based on the results of the nine lead STLC analyses performed as part of this Report, SLR concluded that a total lead value greater than 110 milligrams per kilogram (mg/kg) would result in an exceedance of the STLC threshold value and result in the area being designated as containing soils requiring California hazardous waste designation.

Screening criteria are included with data summarized in Tables 1 and 2. Sample locations are presented on Figures 2 through 4. Laboratory analytical reports are included in Appendix A.

### 2.2.2 CALTRANS SOIL DESIGNATIONS FOR AERIALLY DEPOSITED LEAD

Project soils were also classified under the Caltrans Standard Special Provisions (SSP) soil designations for Aerial deposited lead (ADL). Caltrans SSPs are project-specific specifications which are needed when handling contaminants or fulfilling specified hazardous waste regulatory or safety requirements. Sampling data collected as part of this study indicates the presence of ADL in several project areas. ADL refers to lead deposited on highway shoulders from past leaded fuel vehicle emissions. Although leaded fuel was prohibited in California in the 1980's, ADL may still be present in soils adjacent to highways. In 2009, the Department of Toxic Substances Control (DTSC) issued a variance allowing soil within Caltrans right of ways containing California hazardous waste concentrations of lead, to be stockpiled, transported, and/or reused when specific conditions are met.

The Variance indicates the following conditions regarding the reuse and management of ADL impacted soil as fill material for construction and maintenance operations. If ADL-impacted soil meets the Variance criteria but is not intended to be reused within Caltrans right-of-way, then the excavated soil must be disposed of as a California hazardous waste. Soil management categories are summarized below:

- **Type Y-1**: ADL-impacted soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a DI-WET (WET using deionized water as the extractant) soluble lead concentration less than or equal to 1.5 mg/l, and a pH value greater than or equal to 5.5 may be reused within the same Caltrans corridor and must be covered with at least one foot of nonhazardous soil.
- **Type Y-2**: ADL-impacted soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a DI-WET lead concentration less than or equal to 1.5 milligrams per liter

(mg/L), and a pH value greater than 5 and less than 5.5 may be reused within the same Caltrans corridor and must be covered and protected from infiltration by a pavement structure.

ADL-impacted soil exhibiting a total lead concentration less than or equal to 1,411 mg/kg, a DI-WET lead concentration greater than 1.5 mg/l and less than or equal to 150 mg/L, and a pH value greater than 5 may be reused within the same Caltrans corridor and must be covered and protected from infiltration by a pavement structure.

ADL-impacted soil exhibiting a total lead concentration greater than 1,411 mg/kg and less than or equal to 3,397 mg/kg, a DI-WET lead concentration less than or equal to 150 mg/L, and a pH value greater than 5 may be reused within the same Caltrans corridor and must be covered and protected from infiltration by a pavement structure.

- **Type Z-2**: ADL-impacted soil exhibiting a total lead concentration greater than 3,397 mg/kg, or a DI-WET lead concentration greater than 150 mg/L, or a pH value less than or equal to 5 is not eligible for reuse under the Variance and must be disposed of as a California hazardous waste. Surplus Type Y-1 and Type Y-2 soil which requires offsite disposal is also classified as Type Z-2.
- **Type Z-3**: ADL-impacted soils exhibiting a Toxisity Characteristic Leaching Procedure (TCLP) lead concentration greater than or equal to 5 mg/L is not eligible for reuse under the Variance and must be disposed of as a RCRA hazardous waste.

Caltrans website for ADL contains an ADL-Impacted Soils Management Flow Chart which was utilized for the soil designations process and is included in Appendix B.

### 2.2.3 SAN RAFAEL LOCATIONS

Metals

Table 1 provides Title 22 metals results from the six sample locations (SSM-15-01 through SSM-15-06) collected from the San Rafael side of the Richmond Bridge. As stated above two sample were collected from each location, one each from 0 – 0.5 fbg and 1.5 – 2 fbg.

*Soil Designation*

Results from two soil samples, SSM-15-04-0-0.5 and SSM-15-04-1.5-2, exceeded the TTLC threshold for lead. Results from the remaining ten samples were ten times the STLC value for lead. Four of those samples were chosen for lead STLC analysis. Additionally, one sample contained ten times the STLC threshold value for copper (SSM-15-03-0-0.5) and five samples contained ten times the STLC threshold value for chromium (SSM-15-01-0-0.5, SSM-15-01-1.5-2, SSM-15-02-0-0.5, SSM-15-04-0-0.5 and SSM-15-04-1.5-2). The one copper exceedance was analyzed for copper STLC and three of the chromium samples were chosen for the chromium STLC analysis.

Results of the lead STLC analyses for two samples exceeded the STLC threshold value. However, based on the results of the STLC analysis performed and the total concentration threshold of 110 mg/kg established by SLR; three additional samples were deemed likely to exceed the lead STLC threshold. No exceedances were observed for the copper or chromium STLC analyses performed.

Based on the analytical results of the soil samples from the San Rafael side of the Richmond Bridge, four of the six sample locations (SSM-15-03 through SSM-15-06) exceed the lead threshold values.

Soils excavated from the areas that samples SSM-15-01 and SSM-15-02 were collected have a 95% UCL on the mean for total lead of <1,000 mg/kg and a 95% Upper Confidence Level (UCL) on mean for soluble lead by WET-Citrate of <5 mg/L and therefore, can be considered non-hazardous and released to the contractor.

Soils from the SSM-15-03 through SSM-15-06 areas were evaluated as ADL impacted soils. Although the 95% UCL on the mean for total lead for those samples was <1,000 mg/kg, we can assume the 95% UCL on mean for soluble lead by WET-Citrate would not be <5 mg/L. We can therefore designate the soil from the SSM-15-03 through SSM-15-06 areas as Z-2 California Hazardous Waste.

Based on STLC analyses performed on other areas of the site, we would have to assume that soils from the SSM-15-03 through SSM-15-06 areas would likely contain a 90% UCL on the mean for soluble lead by WET-DI greater than 50 mg/L. Therefore, the DTSC variance does not apply.

*Human Health*

Two sample locations exceeded the ESL threshold value for lead (SSM-15-04-0-0.5 and SSM-15-04-1.5-2), and would therefore require appropriate health and safety plan and site practices that mitigate the risk of exposure to lead for onsite workers.

<u>VOCs and Petroleum Hydrocarbons</u>

No soil samples from the San Rafael side of the Richmond Bridge exceeded human health screening criteria for VOCs or petroleum hydrocarbons.

### 2.2.4 RICHMOND LOCATIONS

<u>Metals</u>

Table 1 provides Title 22 metals results from the fourteen sample locations (SSCC-15-001 through SSCC-15-14) collected from the Richmond side of the Richmond Bridge. As stated above two sample were collected from each location, one each from 0 – 0.5 fbg and 1.5 – 2 fbg.

*Soil Designation*

Results from five soil samples, SSCC-15-10-0-0.5, SSCC-15-10-1.5-2, SSCC-15-11-0-0.5, SSCC-15-11-1.5-2 and SSCC-15-14-1.5-2, exceeded the TTLC threshold for lead. Results from fourteen additional samples were ten times the STLC value for lead. Six of those samples were chosen for lead STLC analysis. Additionally, six sample results were ten times the STLC threshold value for chromium; four of which were chosen for STLC analysis.

Results of the lead STLC analyses for one sample exceeded the STLC threshold value. No exceedances were observed for the copper or chromium STLC analyses performed.

Based on the analytical results of the soil samples from the Richmond side of the Richmond-San Rafael Bridge, soils excavated from the areas represented by samples SSCC-15-01 through SSCC-15-07, SSCC-15-12, and SSCC-15-13 have a 95% UCL on the mean for total lead of <1,000 mg/kg and a 95% UCL on mean for soluble lead by WET-Citrate of <5 mg/L and therefore, can be considered non-hazardous and released to the contractor.

Due to their geographic proximity to ADL impacted areas, samples SSCC-15-08 and SSCC-15-09 were grouped with samples SSCC-15-10, SSCC-15-11, and SSCC-15-14 in order to create a contiguous area for soil characterization. Results from samples collected from SSCC-15-08 through SSM-15-11 and SSCC-15-14 areas have a 95% UCL on the mean for total lead of >1,000. However, based on select STLC results, we can assume the soil would likely contain a TCLP for lead greater than 5 mg/L and a 90% UCL on the mean for soluble lead by WET-DI greater than 50 mg/L. Therefore, the DTSC variance would not apply and the soil would be considered Z-2, California Hazardous Waste.

*Human Health*

Three sample locations exceeded the ESL threshold value for lead (SSCC-15-10, SSCC-15-11, and SSCC-15-14), and would therefore require appropriate health and safety plan and site practices that mitigate the risk of exposure to lead for onsite workers.

<u>VOCs and Petroleum Hydrocarbons</u>

One soil sample from the Richmond side of the Richmond Bridge exceeded the ESL threshold value for diesel (SSCC-15-08), and would therefore require appropriate health and safety plan and site practices that mitigate the risk of exposure to diesel for onsite workers.

# 3. CONCLUSIONS

Based on soil sampling analytical results, the primary waste concern for this project are lead impacts to Site soils and whether those soils qualify as hazardous waste for disposal purposes and whether or not site workers require special health and safety measures and site practices to mitigate the risk of exposure to lead for onsite workers. Table 3 presents the soil designations based on the findings of soil characterization activities. Table 4 summarizes the soil management plan by station numbers.

Based on the analytical results of the soil samples; the majority of sample locations contain soils which can be considered non-hazardous and released to the contractor for re-use. Locations that can be considered non-hazardous and released to the contractor for re-use are indicated on Table 3 with a non-hazardous waste designation and a human health designation of "no additional measures." All other locations required either special handling for human health protection or special disposal requirements based on their waste classification. These areas are general:

- Richmond side – Soils from areas containing sample locations SSCC-15-8 through SSCC-15-11, and SSCC-15-14

- San Rafael side – Soils from areas containing sample locations SSM-15-03 through SSM-15-06

Additionally, four sample locations with hazardous waste characteristics exceed ESL thresholds; requiring special health and safety measures and site practices to mitigate the risk of exposure to lead for on-site workers. These areas include three from the Richmond side (SSCC-15-10, SSCC-15-11, and SSCC-15-14), and one from the San Rafael side (SSM-15-04). One sample location from the Richmond side of the San Rafael Bridge exceeded the ESL threshold for diesel (SSCC-15-08) and therefore, requires special health and safety measures and site practices to mitigate the risk of exposure.

# 4. REFERENCES

SLR International. Memo: Field Operations Work Plan – Soil Characterization for Richmond San Rafael Bike Path Project, June 5, 2015. Prepared for Parikh Consultants, Inc.

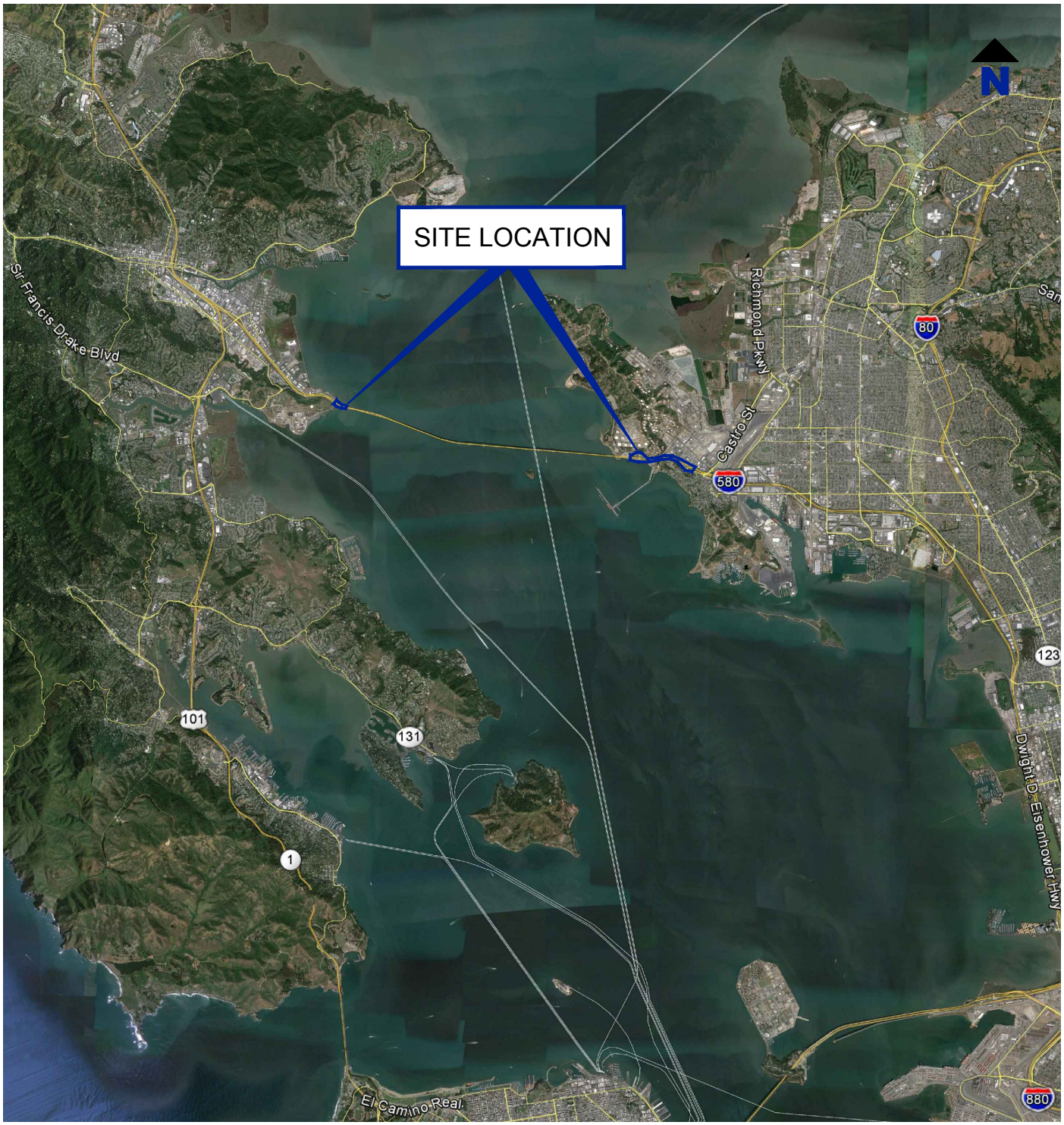
California Regional Water Quality Board (RWQCB), San Francisco Bay Region. User's Guide: Derivation and Application of Environmental Screening Levels, Interim Final, 2013.

Caltrans, 2015. http://www.dot.ca.gov/hq/env/haz/hw_adl.htm.

# FIGURES

## Richmond San Rafael Bike Path Project

December 2015




REFERENCED FROM : GOOGLE EARTH PRO

**APPROXIMATE SCALE (FEET)**

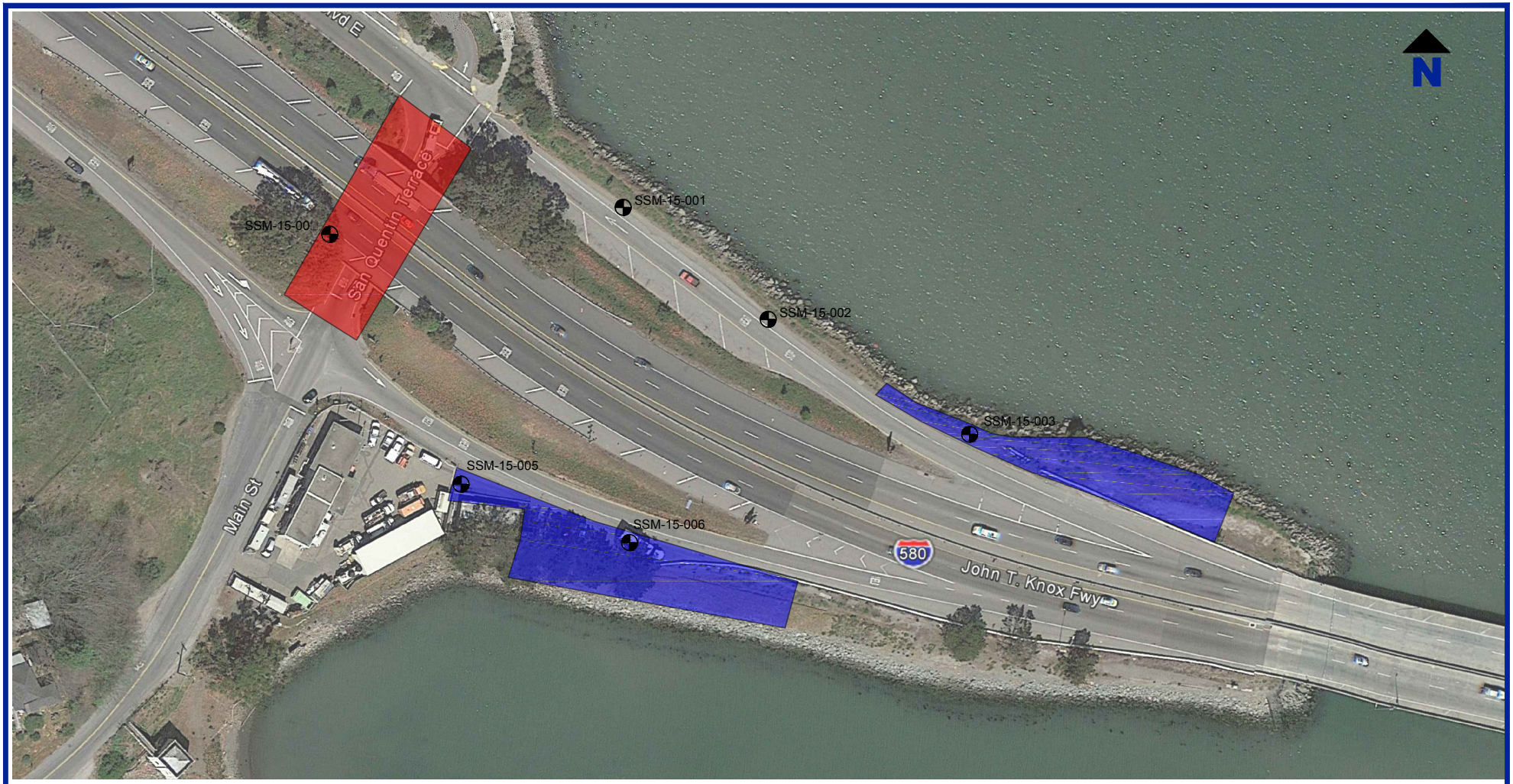
0 10,500 21,000

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

SLR

| | |
|---|---|
| Report | Soil Characterization Report |
| Drawing | Vicinity Map |
| Date | July 27, 2015 |
| Scale | AS SHOWN |
| Fig. No. | 1 |
| File Name | Shallow Soil Samples Loc |
| Project No. | 102.00976.00002 |

Last Saved: July 27, 2015 3:01:11 PM by hvazquez Drawing path: N:\Oakland\CAD\102.00976.00002 RSR Bridge\Fig\Shallow Soil Samples Loc.dwg




REFERENCED FROM : GOOGLE EARTH PRO

NOTE: SOIL SAMPLE LOCATIONS TAKEN WITH GPS BY FIELD GEOLOGIST, LOCATIONS ARE SUBJECT TO CHANGE POST SURVEY.

LEGEND

- APPROXIMATE LOCATION OF SHALLOW SOIL SAMPLE
- SOIL CHARACTERIZED AS HAZARDOUS WASTE
- SOIL CHARACTERIZED AS HAZARDOUS WASTE REQUIRES ADDITIONAL HEALTH AND SAFETY MEASURES

APPROXIMATE SCALE (FEET)

0 150 300

SLR

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

| | |
|---|---|
| Report | Soil Characterization Report |
| Drawing | Sample Locations and Soil Characterization - San Ra□ael |
| Date | July 27, 2015 |
| Scale | AS SHOWN |
| File Name | Shallow Soil Samples Loc |
| Project No. | 102.00976.00002 |
| Fig. No. | 2 |

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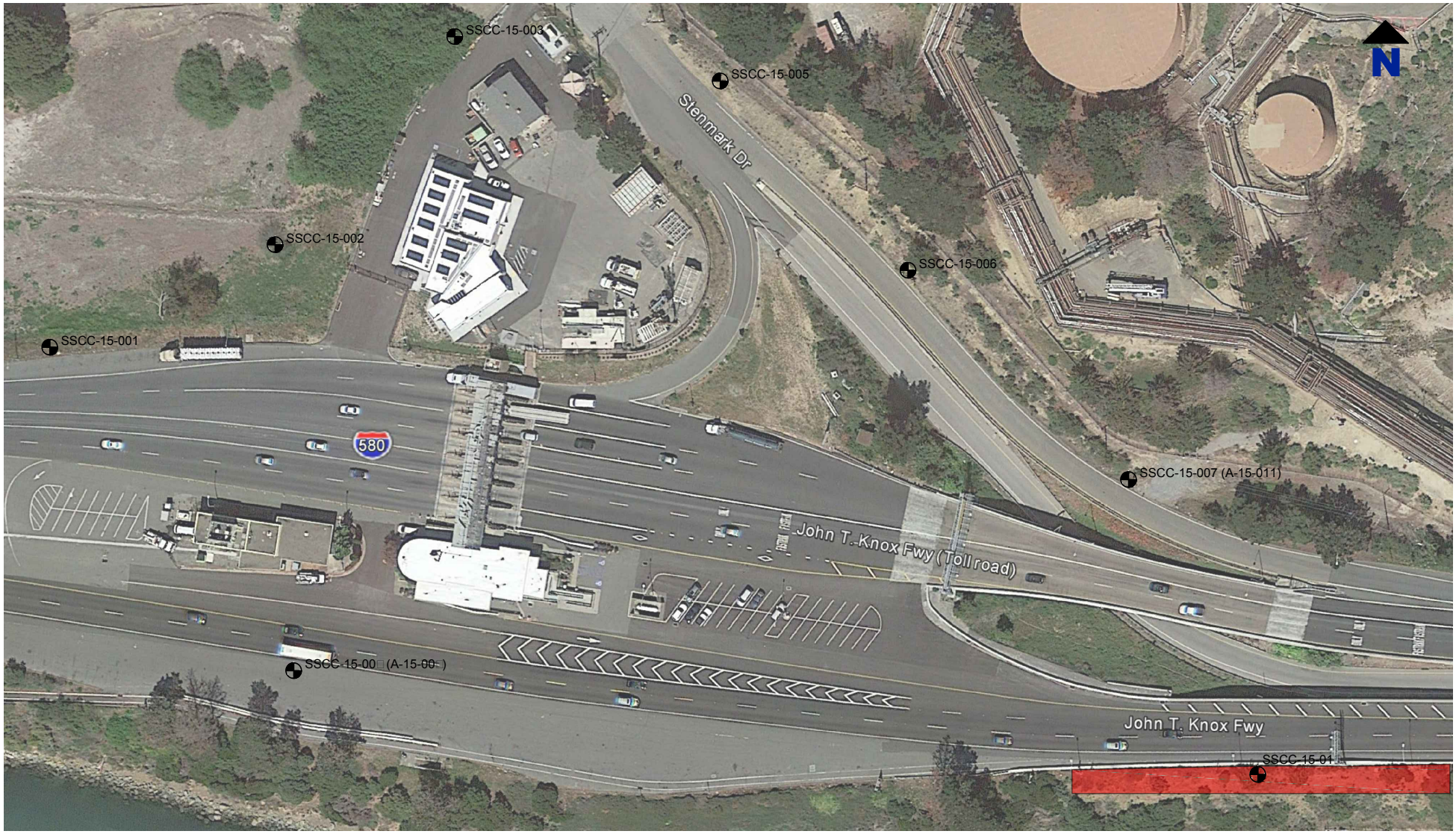


REFERENCED FROM : GOOGLE EARTH PRO

NOTE: SOIL SAMPLE LOCATIONS TAKEN WITH GPS BY FIELD GEOLOGIST, LOCATIONS ARE SUBJECT TO CHANGE POST SURVEY.

LEGEND

APPROXIMATE LOCATION OF SHALLOW SOIL SAMPLE

SOIL CHARACTERIZED AS HAZARDOUS WASTE
REQUIRES ADDITIONAL HEALTH AND SAFETY MEASURES

**APPROXIMATE SCALE (FEET)**

0 113 226

SLR

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

| | |
|---|---|
| Report | Soil Characterization Report |
| Drawing | Sample Locations and Soil Characterization - Richmond West |
| Date | July 27, 2015 |
| Scale | AS SHOWN |
| Fig. No. | 3 |
| File Name | Shallow Soil Samples Loc 1 |
| Project No. | 102.00976.00002 |

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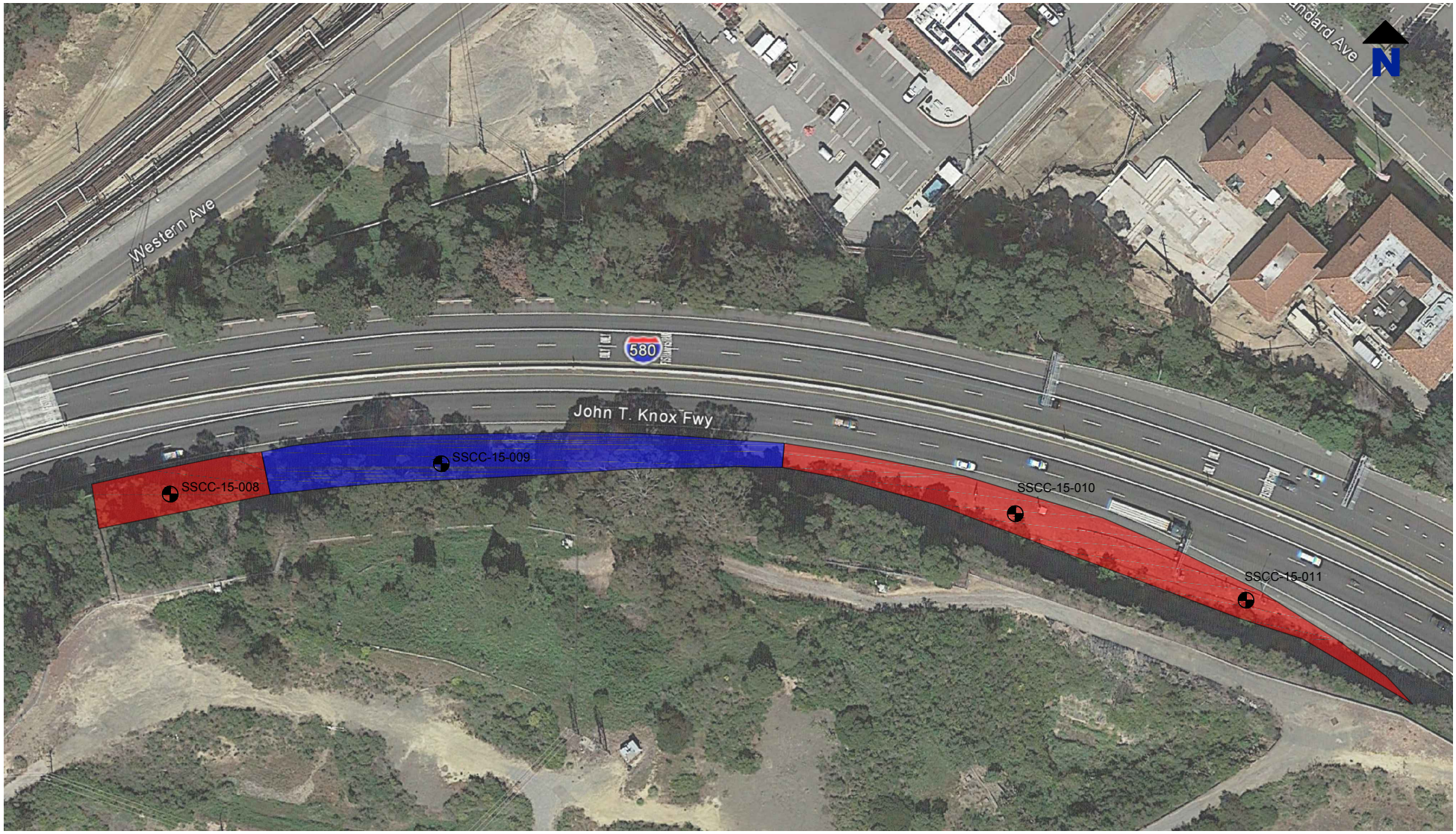


REFERENCED FROM : GOOGLE EARTH PRO

NOTE: SOIL SAMPLE LOCATIONS TAKEN WITH GPS BY FIELD GEOLOGIST, LOCATIONS ARE SUBJECT TO CHANGE POST SURVEY.

LEGEND

- APPROXIMATE LOCATION OF SHALLOW SOIL SAMPLE
- SOIL CHARACTERIZED AS HAZARDOUS WASTE REQUIRES ADDITIONAL HEALTH AND SAFETY MEASURES
- SOIL CHARACTERIZED AS HAZARDOUS WASTE

APPROXIMATE SCALE (FEET)

0 90 180

SLR

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

| | |
|---|---|
| Report | Soil Characterization Report |
| Drawing | Sample Locations and Soil Characterization - Richmond Central |
| Date | July 27, 2015 |
| Scale | AS SHOWN |
| Fig. No. | |
| File Name | Shallow Soil Samples Loc 2 |
| Project No. | 102.00976.00002 |

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REFERENCED FROM : GOOGLE EARTH PRO

NOTE: SOIL SAMPLE LOCATIONS TAKEN WITH GPS BY FIELD GEOLOGIST, LOCATIONS ARE SUBJECT TO CHANGE POST SURVEY.

LEGEND

APPROXIMATE LOCATION OF SHALLOW SOIL SAMPLE

APPROXIMATE SCALE (FEET)

0 95 190

SLR

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

Report: Soil Characterization Report

Drawing: Sample Locations and Soil Characterization - Richmond East

| | | |
|---|---|---|
| Date July 27, 2015 | Scale AS SHOWN | Fig. No. 5 |
| File Name Shallow Soil Samples Fig 5 | Project No. 102.00976.00002 | |

Last Saved: July 28, 2015 2:00:52 PM by hvazquez Drawing path: N:\Oakland\CAD\102.00976.00002 RSR Bridge\Fig\Shallow Soil Samples Fig 5.dwg

# TABLES

## Richmond San Rafael Bike Path Project

December 2015

Table 1
Soil Summary Analytical Results - Metals
RST Bridge Bike Path

| Sample ID | Sample Date | Depth | Antimony | Arsenic | Barium | Berylium | Cadmium | Chromium (Total) | | Cobalt | Copper | | Lead | | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | feet | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | STLC mg/L | mg/kg | mg/kg | STLC mg/L | Total mg/kg | STLC mg/L | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| SSCC-15-001-0-0.5 | 6/25/2015 | 0 - 0.5 | 1.0 | 9.0 | 200 | 0.45 | 0.27 | **52** | ND<0.25 | 14 | 47 | - | **89** | 2.1 | 0.11 | ND<0.26 | 68 | ND<0.51 | ND<0.26 | ND<0.51 | 66 | 130 |
| SSCC-15-001-1.5-2 | 6/25/2015 | 1.5 - 2 | 2.0 | 8.0 | 180 | 0.42 | ND<0.27 | 46 | - | 12 | 42 | - | **85** | - | 0.087 | ND<0.27 | 61 | ND<0.54 | ND<0.27 | ND<0.54 | 61 | 120 |
| SSCC-15-002-0-0.5 | 6/25/2015 | 0 - 0.5 | 3.3 | 8.4 | 200 | 0.47 | ND<0.27 | **52** | - | 15 | 47 | - | **72** | - | 0.11 | ND<0.27 | 71 | ND<0.54 | ND<0.27 | ND<0.54 | 68 | 130 |
| SSCC-15-002-1.5-2 | 6/25/2015 | 1.5 - 2 | 2.2 | 8.5 | 190 | 0.46 | ND<0.24 | **56** | ND<0.25 | 14 | 45 | - | **77** | - | 0.16 | ND<0.24 | 73 | ND<0.47 | ND<0.24 | ND<0.47 | 63 | 120 |
| SSCC-15-003-0-0.5 | 6/25/2015 | 0 - 0.5 | 2.6 | 7.9 | 190 | 0.45 | 0.26 | **54** | - | 13 | 45 | - | **75** | - | 0.085 | ND<0.24 | 65 | ND<0.48 | ND<0.24 | ND<0.48 | 67 | 130 |
| SSCC-15-003-1.5-2 | 6/25/2015 | 1.5 - 2 | 1.4 | 8.9 | 200 | 0.47 | 0.27 | **56** | ND<0.25 | 15 | 48 | - | **76** | - | 0.092 | ND<0.25 | 74 | ND<0.50 | ND<0.25 | ND<0.50 | 68 | 140 |
| SSCC-15-04-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<0.50 | 6.6 | 180 | 0.43 | 0.28 | 49 | - | 12 | 46 | - | **95** | 2.5 | 0.11 | ND<0.25 | 62 | ND<0.50 | ND<0.25 | ND<0.50 | 69 | 130 |
| SSCC-15-04-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<0.47 | 8.1 | 180 | 0.44 | 0.25 | **55** | ND<0.25 | 13 | 45 | - | **84** | - | 0.095 | ND<0.24 | 64 | ND<0.47 | ND<0.24 | ND<0.47 | 71 | 120 |
| SSCC-15-05-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<0.53 | 8.8 | 210 | 0.73 | ND<0.26 | 22 | - | 8.6 | 24 | - | **65** | - | 0.23 | ND<0.26 | 31 | ND<0.53 | ND<0.26 | ND<0.53 | 36 | 100 |
| SSCC-15-05-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<0.49 | 7.9 | 190 | 0.74 | ND<0.25 | 23 | - | 8.7 | 25 | - | **61** | 2.0 | 0.12 | ND<0.25 | 29 | ND<0.49 | ND<0.25 | ND<0.49 | 36 | 99 |
| SSCC-15-06-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<0.52 | 9.3 | 220 | 0.71 | ND<0.26 | 21 | - | 11 | 25 | - | **67** | 2.0 | 0.31 | ND<0.26 | 32 | ND<0.52 | ND<0.26 | ND<0.52 | 37 | 110 |
| SSCC-15-06-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<0.53 | 7.7 | 180 | 0.77 | ND<0.27 | 22 | - | 8.7 | 25 | - | 47 | - | 0.12 | ND<0.27 | 29 | ND<0.53 | ND<0.27 | ND<0.53 | 35 | 91 |
| SSCC-15-007-0-0.5 | 6/24/2015 | 0 - 0.5 | 2.2 | 26 | 110 | 0.75 | ND<0.25 | 12 | - | 6.3 | 20 | - | **77** | - | 0.081 | 0.37 | 23 | ND<0.51 | ND<0.25 | ND<0.51 | 23 | 1,600 |
| SSCC-15-007-1.5-2 | 6/24/2015 | 1.5 - 2 | 1.4 | 19 | 140 | 0.76 | ND<0.25 | 14 | - | 6.9 | 18 | - | 48 | - | 0.088 | 0.32 | 22 | ND<0.50 | ND<0.25 | ND<0.50 | 26 | 1,300 |
| SSCC-15-008-0-0.5 | 6/29/2015 | 0 - 0.5 | 1.1 | 8.7 | 110 | 0.59 | ND<0.23 | 14 | - | 3.7 | 16 | - | 46 | - | 0.11 | 0.43 | 18 | ND<0.45 | ND<0.23 | ND<0.45 | 29 | 160 |
| SSCC-15-008-0-0.5 | 6/29/2015 | 1.5 - 2 | 0.83 | 6.7 | 470 | 0.80 | ND<0.25 | 13 | - | 3.8 | 13 | - | 25 | - | 0.40 | 0.31 | 15 | ND<0.49 | ND<0.25 | ND<0.49 | 22 | 61 |
| SSCC-15-009-0-0.5 | 6/29/2015 | 0 - 0.5 | 0.84 | 5.7 | 170 | 0.65 | ND<0.25 | 15 | - | 3.5 | 13 | - | 46 | - | 0.26 | 0.39 | 15 | ND<0.51 | ND<0.25 | ND<0.51 | 23 | 74 |
| SSCC-15-009-0-0.5 | 6/29/2015 | 1.5 - 2 | 0.97 | 7.1 | 110 | 0.63 | ND<0.24 | 13 | - | 3.9 | 13 | - | 42 | - | 0.078 | 0.29 | 17 | ND<0.48 | ND<0.24 | ND<0.48 | 29 | 130 |
| SSCC-15-010-0-0.5 | 6/24/2015 | 0 - 0.5 | 2.4 | 5.6 | 170 | 0.42 | 0.68 | 43 | - | 8.5 | 40 | - | **1,200** | - | 0.28 | 2.3 | 39 | ND<0.47 | ND<0.24 | ND<0.47 | 41 | 700 |
| SSCC-15-010-1.5-2 | 6/24/2015 | 1.5 - 2 | 1.4 | 4.7 | 160 | 0.48 | 0.52 | 30 | - | 8.9 | 34 | - | **1,100** | - | 0.17 | 1.4 | 35 | ND<0.55 | ND<0.27 | ND<0.55 | 38 | 470 |
| SSCC-15-011-0-0.5 | 6/24/2015 | 0 - 0.5 | 2.2 | 4.9 | 160 | 0.44 | 0.67 | 31 | - | 8.7 | 39 | - | **1,200** | - | 0.16 | 1.6 | 39 | ND<0.52 | ND<0.26 | ND<0.52 | 42 | 730 |
| SSCC-15-011-1.5-2 | 6/24/2015 | 1.5 - 2 | 3.1 | 4.8 | 380 | 0.42 | 0.63 | 35 | - | 8.4 | 42 | - | **1,200** | - | 0.18 | 1.6 | 39 | ND<0.50 | ND<0.25 | ND<0.50 | 41 | 750 |
| SSCC-15-12-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<0.47 | 3.9 | 120 | 0.47 | ND<0.23 | 26 | - | 7.0 | 33 | - | 26 | - | 0.21 | 0.68 | 28 | ND<0.47 | ND<0.23 | ND<0.47 | 37 | 160 |
| SSCC-15-12-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<0.54 | 3.8 | 73 | 0.54 | ND<0.27 | 24 | - | 6.7 | 18 | - | 12 | - | 0.11 | ND<0.27 | 21 | ND<0.54 | ND<0.27 | ND<0.54 | 35 | 61 |
| SSCC-15-13-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<0.49 | 4.3 | 150 | 0.64 | ND<0.24 | 20 | - | 8.0 | 18 | - | 24 | - | 0.11 | ND<0.24 | 23 | ND<0.49 | ND<0.24 | ND<0.49 | 30 | 110 |
| SSCC-15-13-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<0.51 | 4.7 | 150 | 0.62 | ND<0.26 | 20 | - | 8.7 | 21 | - | 22 | - | 0.11 | ND<0.26 | 23 | ND<0.51 | ND<0.26 | ND<0.51 | 28 | 140 |
| SSCC-15-014-0-0.5 | 6/24/2015 | 0 - 0.5 | 2.2 | 4.7 | 150 | 0.44 | 0.58 | 33 | - | 8.0 | 35 | - | **710** | **46** | 0.16 | 1.3 | 35 | ND<0.45 | ND<0.23 | ND<0.45 | 37 | 420 |
| SSCC-15-014-1.5-2 | 6/24/2015 | 1.5 - 2 | 1.5 | 4.5 | 180 | 0.45 | 0.61 | 30 | - | 9.1 | 39 | - | **1,100** | | 0.15 | 1.6 | 38 | ND<0.46 | ND<0.23 | ND<0.46 | 39 | 580 |
| DUP-062214-1 | 6/22/2015 | NA | ND<0.51 | 6.8 | 180 | 0.40 | ND<0.26 | **50** | - | 12 | 42 | - | **110** | 2.0 | 0.10 | ND<0.26 | 58 | ND<0.51 | ND<0.26 | ND<0.51 | 66 | 110 |
| SSM-15-01-0-0.5 | 6/23/2015 | 0 - 0.5 | 0.95 | 4.2 | 160 | 0.37 | 0.50 | **63** | ND<0.25 | 9.5 | 44 | - | **92** | - | 0.22 | 1.6 | 63 | ND<0.50 | ND<0.25 | ND<0.50 | 27 | 210 |
| SSM-15-01-1.5-2 | 6/23/2015 | 1.5 - 2 | 0.84 | 8.2 | 130 | 0.70 | ND<0.27 | **120** | ND<0.25 | 19 | 41 | - | **77** | 3.2 | 0.15 | ND<0.27 | 150 | ND<0.55 | ND<0.27 | ND<0.55 | 42 | 110 |
| SSM-15-02-0-0.5 | 6/23/2015 | 0 - 0.5 | 1.0 | 4.0 | 150 | 0.37 | 0.47 | **56** | - | 9.5 | 50 | - | **89** | 3.0 | 0.17 | 1.5 | 64 | ND<0.52 | ND<0.26 | ND<0.52 | 27 | 230 |
| SSM-15-02-1.5-2 | 6/23/2015 | 1.5 - 2 | 0.70 | 7.1 | 120 | 0.62 | ND<0.24 | 120 | - | 16 | 34 | - | **90** | - | 0.15 | ND<0.24 | 150 | ND<0.48 | ND<0.24 | ND<0.48 | 39 | 100 |
| SSM-15-03-0-0.5 | 6/23/2015 | 0 - 0.5 | 0.81 | 3.7 | 180 | 0.38 | 0.39 | 36 | - | 6.6 | **400** | 1.8 | **100** | - | 1.1 | 1.2 | 35 | ND<0.49 | ND<0.25 | ND<0.49 | 32 | 210 |
| SSM-15-03-1.5-2 | 6/23/2015 | 1.5 - 2 | 0.95 | 6.2 | 120 | 0.44 | 1.1 | 43 | - | 8.1 | 44 | - | **180** | - | 0.38 | 0.62 | 44 | ND<0.50 | ND<0.25 | ND<0.50 | 35 | 160 |
| SSM-15-04-0-0.5 | 6/23/2015 | 0 - 0.5 | ND<0.52 | 4.4 | 110 | 0.54 | ND<0.26 | **110** | ND<0.25 | 11 | 21 | - | **1,800** | - | 0.088 | ND<0.26 | 100 | ND<0.52 | ND<0.26 | ND<0.52 | 35 | 490 |
| SSM-15-04-1.5-2 | 6/23/2015 | 1.5 - 2 | 0.56 | 4.6 | 130 | 0.51 | ND<0.24 | **95** | - | 12 | 22 | - | **1,400** | - | 0.071 | ND<0.24 | 97 | ND<0.47 | ND<0.24 | ND<0.47 | 35 | **750** |
| SSM-15-05-0-0.5 | 6/23/2015 | 0 - 0.5 | 0.67 | 6.9 | 130 | 0.55 | ND<0.24 | 36 | - | 9.5 | 25 | - | **190** | **6.4** | 0.32 | ND<0.24 | 40 | ND<0.49 | ND<0.24 | ND<0.49 | 27 | 110 |
| SSM-15-05-1.5-2 | 6/23/2015 | 1.5 - 2 | 0.65 | 7.7 | 110 | 0.59 | ND<0.27 | 39 | - | 9.9 | 18 | - | **170** | - | 0.28 | ND<0.27 | 40 | ND<0.53 | ND<0.27 | ND<0.53 | 29 | 110 |
| SSM-15-06-0-0.5 | 6/23/2015 | 0 - 0.5 | 0.57 | 2.7 | 75 | 0.50 | 1.1 | 31 | - | 6.7 | 13 | - | **280** | **13** | 0.12 | ND<0.25 | 34 | ND<0.50 | ND<0.25 | ND<0.50 | 27 | 85 |
| SSM-15-06-1.5-2 | 6/23/2015 | 1.5 - 2 | 0.62 | 2.7 | 70 | 0.42 | 1.6 | 23 | - | 7.1 | 12 | - | **130** | - | 0.11 | ND<0.24 | 26 | ND<0.49 | ND<0.24 | ND<0.49 | 26 | 79 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ESLs** | | 120 | 10 | 61,000 | 180 | 110 | NE | - | 49 | 12,000 | - | 320 | - | 27 | 1,500 | 6,100 | 1,500 | 1,500 | 3.1 | 1,500 | 93,000 |
| **STLC Limts** | | 15 | 5 | 100 | 0.75 | 1 | 5 | 5 | 80 | 25 | 25 | 5 | 5 | 0.20 | 350 | 20 | 1 | 5 | 7 | 24 | 250 |
| **TTLC Limits** | | 500 | 500 | 10,000 | 75 | 100 | 2,500 | 2,500 | 8,000 | 2,500 | 2,500 | 1,000 | 1,000 | 20 | 3,500 | 2,000 | 100 | 500 | 700 | 2,400 | 5,000 |

Notes: **BOLD** indicates a substance is ten times the STLC value.
mg/kg = milligrams per kilograms
mg/L = milligrams per liter
NA = Not applicable
ND<5 = not detectable at or above the stated laboratory detection limit

TTLC = Total Threshold Limit Concentration
A = Value is for ChromiumVI
STLC = Soluble Threshold Limit Concentration. If a substance is ten times the STLC value , the STLC Test should be used.toxic waste.
If any substance in the waste so analyze equals or exceeds the STLC value, it is considered a hazardous
ESLs = Environmental Screening Levels - Direct Exposure Soil Screening Levels Construction/Trench Worker Interim Final Dec. 2013 SF Bay RWQCB

Table 2
Soil Summary Analytical Results - Petroleum Hydrocarbons and VOCs
RST Bridge Bike Path

| Sample ID | Sample Date | Depth | TPHs | | | VOCs[1] |
|---|---|---|---|---|---|---|
| | | | GRO | DRO | Motor Oil | para-isopropyl Toluene |
| | | feet | mg/kg | mg/kg | mg/kg | µg/kg |
| SSCC-15-001-0-0.5 | 6/25/2015 | 0 - 0.5 | 1.7z | 27Y | 170 | - |
| SSCC-15-001-1.5-2 | 6/25/2015 | 1.5 - 2 | ND<1.0 | 24Y | 170 | - |
| SSCC-15-002-0-0.5 | 6/25/2015 | 0 - 0.5 | ND<1.0 | 20Y | 120 | - |
| SSCC-15-002-1.5-2 | 6/25/2015 | 1.5 - 2 | ND<0.99 | 21Y | 140 | - |
| SSCC-15-003-0-0.5 | 6/25/2015 | 0 - 0.5 | ND<1.0 | 24Y | 150 | - |
| SSCC-15-003-1.5-2 | 6/25/2015 | 1.5 - 2 | ND<1.1 | 23Y | 160 | - |
| SSCC-15-04-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<1.1 | 38Y | 310 | - |
| SSCC-15-04-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<1.1 | 26Y | 230 | - |
| SSCC-15-05-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<1.1 | 15Y | 120 | ND<5.0 |
| SSCC-15-05-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<1.1 | 11Y | 120 | ND<5.0 |
| SSCC-15-06-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<1.1 | 11Y | 94 | ND<5.0 |
| SSCC-15-06-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<1.1 | 9.3Y | 180 | ND<5.0 |
| SSCC-15-007-0-0.5 | 6/24/2015 | 0 - 0.5 | ND<0.93 | 50Y | 170 | ND<4.6 |
| SSCC-15-007-1.5-2 | 6/24/2015 | 1.5 - 2 | ND<1.0 | 100Y | 240 | ND<4.9 |
| SSCC-15-008-0-0.5 | 6/29/2015 | 0 - 0.5 | ND<1.1 | **940Y** | 1,200 | ND<4.9 |
| SSCC-15-008-1.5-2 | 6/29/2015 | 1.5 - 2 | 4.1Y | 26Y | 54 | 420 |
| SSCC-15-009-0-0.5 | 6/29/2015 | 0 - 0.5 | ND<1.1 | 21Y | 66 | ND<4.8 |
| SSCC-15-009-1.5-2 | 6/29/2015 | 1.5 - 2 | ND<1.1 | 260Y | 390 | 5.9 |
| SSCC-15-010-0-0.5 | 6/24/2015 | 0 - 0.5 | ND<1.1 | 99Y | 680 | - |
| SSCC-15-010-1.5-2 | 6/24/2015 | 1.5 - 2 | ND<1.1 | 110Y | 710 | - |
| SSCC-15-011-0-0.5 | 6/24/2015 | 0 - 0.5 | ND<1.0 | 95Y | 670 | - |
| SSCC-15-011-1.5-2 | 6/24/2015 | 1.5 - 2 | ND<1.0 | 120Y | 780 | - |
| SSCC-15-12-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<1.1 | 74Y | 560 | - |
| SSCC-15-12-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<1.1 | 24Y | 120 | - |
| SSCC-15-13-0-0.5 | 6/22/2015 | 0 - 0.5 | ND<1.1 | 40Y | 150 | - |
| SSCC-15-13-1.5-2 | 6/22/2015 | 1.5 - 2 | ND<1.1 | 22Y | 100 | - |
| SSCC-15-014-0-0.5 | 6/24/2015 | 0 - 0.5 | ND<1.1 | 79Y | 640 | - |
| SSCC-15-014-1.5-2 | 6/24/2015 | 1.5 - 2 | ND<1.1 | 73Y | 480 | - |
| DUP-062214-1 | 6/22/2015 | NA | ND<1.0 | 30Y | 270 | - |
| SSM-15-01-0-0.5 | 6/23/2015 | 0 - 0.5 | ND<1.1 | 260Y | 730 | - |
| SSM-15-01-1.5-2 | 6/23/2015 | 1.5 - 2 | ND<1.1 | 10Y | 110 | - |
| SSM-15-02-0-0.5 | 6/23/2015 | 0 - 0.5 | ND<1.0 | 250Y | 680 | - |
| SSM-15-02-1.5-2 | 6/23/2015 | 1.5 - 2 | ND<1.1 | 18Y | 160 | - |
| SSM-15-03-0-0.5 | 6/23/2015 | 0 - 0.5 | ND<0.93 | 23Y | 300 | - |
| SSM-15-03-1.5-2 | 6/23/2015 | 1.5 - 2 | ND<1.0 | 31Y | 410 | - |

Table 2
Soil Summary Analytical Results - Petroleum Hydrocarbons and VOCs
RST Bridge Bike Path

| Sample ID | Sample Date | Depth | TPHs | | | VOCs[1] |
|---|---|---|---|---|---|---|
| | | | GRO | DRO | Motor Oil | para-isopropyl Toluene |
| | | feet | mg/kg | mg/kg | mg/kg | µg/kg |
| SSM-15-04-0-0.5 | 6/23/2015 | 0 - 0.5 | ND<1.0 | 77Y | 690 | - |
| SSM-15-04-1.5-2 | 6/23/2015 | 1.5 - 2 | ND<1.0 | 82Y | 680 | - |
| SSM-15-05-0-0.5 | 6/23/2015 | 0 - 0.5 | ND<1.1 | 24Y | 350 | - |
| SSM-15-05-1.5-2 | 6/23/2015 | 1.5 - 2 | ND<1.0 | 25Y | 400 | - |
| SSM-15-06-0-0.5 | 6/23/2015 | 0 - 0.5 | 1.6Yz | 140Y | 990 | - |
| SSM-15-06-1.5-2 | 6/23/2015 | 1.5 - 2 | ND<1.0 | 170Y | 1,300 | - |
| **ESLs** | | | 2,700 | 900 | 28,000 | NE |

Notes:

1 = Only constituents with deteactable concetrations above the reporting limits are reported.

mg/kg = milligrams per kilograms

µg/kg = micrograms per kilograms

NE = Not established

ND<5 = not detectable at or above the stated laboratory detection limit

ESLs = Environmental Screening Levels - Direct Exposure Soil Screening Levels

Construction/Trench Worker Interim Final Dec. 2013 SF Bay RWQCB

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

VOCs = Volatile Organic Compounds

Y = Sample exhibits chromatographic pattern which does not resemble standard

z = Sample exhibits unknown single peak or peaks

- = not analyzed

**BOLD** indicates a substance exceeds screening value.

Table 3
Soil Designation Table
RST Bridge Bike Path

| Sample ID | Sample Date | Depth feet | Waste Designation | Human Health Designation |
|---|---|---|---|---|
| SSCC-15-001-0-0.5 | 6/25/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-001-1.5-2 | 6/25/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-002-0-0.5 | 6/25/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-002-1.5-2 | 6/25/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-003-0-0.5 | 6/25/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-003-1.5-2 | 6/25/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-04-0-0.5 | 6/22/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-04-1.5-2 | 6/22/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-05-0-0.5 | 6/22/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-05-1.5-2 | 6/22/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-06-0-0.5 | 6/22/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-06-1.5-2 | 6/22/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-007-0-0.5 | 6/24/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-007-1.5-2 | 6/24/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-008-0-0.5 | 6/29/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSCC-15-008-0-0.5 | 6/29/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | No additional measures |
| SSCC-15-009-0-0.5 | 6/29/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | No additional measures |
| SSCC-15-009-0-0.5 | 6/29/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | No additional measures |
| SSCC-15-010-0-0.5 | 6/24/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSCC-15-010-1.5-2 | 6/24/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSCC-15-011-0-0.5 | 6/24/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSCC-15-011-1.5-2 | 6/24/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSCC-15-12-0-0.5 | 6/22/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSCC-15-12-1.5-2 | 6/22/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-13-0-0.5 | 6/22/2015 | 0 - 0.5 | Non-Haz | No additional measures |

Table 3
Soil Designation Table
RST Bridge Bike Path

| Sample ID | Sample Date | Depth feet | Waste Designation | Human Health Designation |
|---|---|---|---|---|
| SSCC-15-13-1.5-2 | 6/22/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSCC-15-014-0-0.5 | 6/24/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSCC-15-014-1.5-2 | 6/24/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| DUP-062214-1 | 6/22/2015 | NA | Non-Haz | No additional measures |
| SSM-15-01-0-0.5 | 6/23/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSM-15-01-1.5-2 | 6/23/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSM-15-02-0-0.5 | 6/23/2015 | 0 - 0.5 | Non-Haz | No additional measures |
| SSM-15-02-1.5-2 | 6/23/2015 | 1.5 - 2 | Non-Haz | No additional measures |
| SSM-15-03-0-0.5 | 6/23/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | No additional measures |
| SSM-15-03-1.5-2 | 6/23/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | No additional measures |
| SSM-15-04-0-0.5 | 6/23/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSM-15-04-1.5-2 | 6/23/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | Additional health and safety measures required for on-site workers |
| SSM-15-05-0-0.5 | 6/23/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | No additional measures |
| SSM-15-05-1.5-2 | 6/23/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | No additional measures |
| SSM-15-06-0-0.5 | 6/23/2015 | 0 - 0.5 | Z-2 California Hazardous Waste | No additional measures |
| SSM-15-06-1.5-2 | 6/23/2015 | 1.5 - 2 | Z-2 California Hazardous Waste | No additional measures |

Notes: **BOLD** indicates a substance is ten times the STLC value.
mg/kg = milligrams per kilograms
mg/L = milligrams per liter
NA = Not applicable
ND<5 = not detectable at or above the stated laboratory detection limit
ESLs = Environmental Screening Levels - Shallow Soil Commercial Industrial Land Use Interim Final Dec. 2013 SF Bay RWQCB

Table 4

Designation of Soil Contamination by Areas and Soil Management Recommendation

| Depth (ft) /Location | **0-1** | **1-2** |
|---|---|---|
| **SAN QUENTIN UC (MRN) (Sta 241)** | Z-2 (California hazardous waste) | Z-2 (California hazardous waste) |
| **EB 580 ON RAMP (MRN) (Sta 242+50 to 245+50)** | Z-2 (California hazardous waste) | Z-2 (California hazardous waste) |
| **WB 580 OFF RAMP (MRN) (Sta 242+50 to 245)** | Non-Hazardous Waste | Non-Hazardous Waste |
| **WB 580 OFF RAMP (MRN)(Sta 245 to 247+50)** | Z-2 (California hazardous waste) | Z-2 (California hazardous waste) |
| **TWO WAY BIKE PATH (CC) (Sta WST-02 462+50 to 468+50)** | Non-Hazardous Waste | Non-Hazardous Waste |
| **EB 580 RT SHOULDER (CC) (Sta CC-E 999+64 to 1008+52)** | Non-Hazardous Waste | Non-Hazardous Waste |
| **WB STENMARK DR RT SHOULDER (CC) (Sta WST 1005+50 to 1012)** | Non-Hazardous Waste | Non-Hazardous Waste |
| **WB STENMARK DR RT SHOULDER (CC) (Sta WST 1005+50 to 1012)** | Non-Hazardous Waste | Non-Hazardous Waste |
| **EB 580 RT SHOULDER (CC) (Sta CC-E 1008+52 to 1015)** | Z-2 (California hazardous waste) | Z-2 (California hazardous waste) |
| **EB 580 RT SHOULDER (CC) (Sta CC-M 1022+50 to 1035+50)** | Z-2 (California hazardous waste) | Z-2 (California hazardous waste) |
| **EB 580 MARINE ST OFF RAMP(CC) (Sta CC-M 1035+50 to MRNE01 1042+36)** | Non-Hazardous Waste | Non-Hazardous Waste |

# APPENDIX A

# LABORATORY ANALYTICAL REPORTS

## Richmond San Rafael Bike Path Project

September 2015

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

# Laboratory Job Number 267699
# ANALYTICAL REPORT

SLR International
110 11th Street
Oakland, CA 94607

Project : STANDARD
Location : RSR
Level : II

| Sample ID | Lab ID | Sample ID | Lab ID |
|---|---|---|---|
| SSCC-15-012-0-0.5 | 267699-001 | SSM-15-02-1.5-2 | 267699-015 |
| SSCC-15-012-1.5-2 | 267699-002 | SSM-15-03-0-0.5 | 267699-016 |
| SSCC-15-013-0-0.5 | 267699-003 | SSM-15-03-1.5-2 | 267699-017 |
| SSCC-15-013-1.5-2 | 267699-004 | SSM-15-04-0-0.5 | 267699-018 |
| SSCC-15-05-0-0.5 | 267699-005 | SSM-15-04-1.5-2 | 267699-019 |
| SSCC-15-05-1.5-2 | 267699-006 | SSM-15-06-0-0.5 | 267699-020 |
| SSCC-15-06-0-0.5 | 267699-007 | SSM-15-06-1.5-2 | 267699-021 |
| SSCC-15-06-1.5-2 | 267699-008 | SSM-15-05-0-0.5 | 267699-022 |
| SSCC-15-04-0-0.5 | 267699-009 | SSM-15-05-1.5-2 | 267699-023 |
| SSCC-15-04-1.5-2 | 267699-010 | SSCC-15-05-0-0.5 | 267699-024 |
| DUP-062214-1 | 267699-011 | SSCC-15-05-1.5-2 | 267699-025 |
| SSM-15-01-0-0.5 | 267699-012 | SSCC-15-06-0-0.5 | 267699-026 |
| SSM-15-01-1.5-2 | 267699-013 | SSCC-15-06-1.5-2 | 267699-027 |
| SSM-15-02-0-0.5 | 267699-014 | | |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Mikelle Chong

Date: 07/13/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

# CASE NARRATIVE

| | |
|---|---|
| Laboratory number: | **267699** |
| Client: | **SLR International** |
| Location: | **RSR** |
| Request Date: | **06/23/15, 07/06/15** |
| Samples Received: | **06/23/15** |

This data package contains sample and QC results for twenty three soil samples, requested for the above referenced project on 06/23/15 and 07/06/15. The samples were received on ice and intact. The report was revised and reissued on 07/13/15 to include VOCs.

**TPH-Purgeables and/or BTXE by GC (EPA 8015B):**
Low recovery was observed for gasoline C7-C12 in the MSD of SSCC-15-012-0-0.5 (lab # 267699-001); the LCS was within limits, and the associated RPD was within limits. Low surrogate recoveries were observed for bromofluorobenzene (FID) in SSM-15-01-0-0.5 (lab # 267699-012) and SSM-15-02-0-0.5 (lab # 267699-014). No other analytical problems were encountered.

**TPH-Extractables by GC (EPA 8015B):**
Many samples were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

**Volatile Organics by GC/MS (EPA 8260B):**
Matrix spikes were not performed for this analysis in batch 224778 because of clock limitations; 5030 rushes were added to a 5035 batch. No other analytical problems were encountered.

**Metals (EPA 6010B and EPA 7471A):**
Low recovery was observed for mercury in the MSD of SSCC-15-012-0-0.5 (lab # 267699-001); the BS/BSD were within limits. High recovery was also observed for mercury in the MS of SSCC-15-012-0-0.5 (lab # 267699-001); the BS/BSD were within limits. High RPD was also observed for mercury in the MS/MSD of SSCC-15-012-0-0.5 (lab # 267699-001); the RPD was acceptable in the BS/BSD. Low recovery was observed for antimony in the MS of SSM-15-01-1.5-2 (lab # 267699-013); the BS/BSD were within limits, and the associated RPD was within limits. High recovery was observed for lead in the MSD of SSM-15-01-1.5-2 (lab # 267699-013); the BS/BSD were within limits. High RPD was also observed for lead in the MS/MSD of SSM-15-01-1.5-2 (lab # 267699-013); the RPD was acceptable in the BS/BSD. High recovery was observed for barium in the MSD for batch 224544; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. High RPD was observed for antimony in the MS/MSD for batch 224544; the RPD was acceptable in the BS/BSD. No other analytical problems were encountered.

267699

On 7/6/2015 1:23 PM, Mark Trevor wrote:

Yes please. STAT (5-day). We'll give you the SLTC/TCLP order in a few days. Still looking at the data.

Thanks!

On 7/6/2015 11:46 AM, Mark Trevor wrote:

Hi Mikelle,

Can we please run VOC's on the samples listed below? Is that an option? We may still need to run STLC/TCLP on some of this soil as well. Please advise.

Thanks,
Mark

| | Client ID | Lab ID | Sampled | Received | DueDate | Matrix | Dry | Analyses | C |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 07/02 | Soil | | TVH | |
| | SSCC-15-007-0-0.5 | 005 | 06/24/15 13:35 | 06/25/15 | | | N | | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | | | | | 07/02 | Soil | | TVH | |
| | SSCC-15-007-1.5-2 | 006 | 06/24/15 13:45 | 06/25/15 | | | N | | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | | | | | 07/02 | Soil | | TVH | |
| 267699-005 | SSCC-15-05-0-0.5 | 005 | 06/22/15 11:50 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| 267699-006 | SSCC-15-05-1.5-2 | 006 | 06/22/15 11:55 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| 267699-007 | SSCC-15-06-0-0.5 | 007 | 06/22/15 12:10 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| 267699-008 | SSCC-15-06-1.5-2 | 008 | 06/22/15 12:15 | 06/23/15 | | | N | | |

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532



Chain of Custody # _____

C&T LOGIN # 267699

Project No:
Project Name: RSR
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: MARK TREVOR
Report To: M. TREVOR
Company: SLR
Telephone: 510-451-1761
Email: mtrevor@slrconsulting.com

ANALYTICAL REQUEST

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | GRO by EPA 8015D | DRO 8015D | MOTOR OIL 8015D | CAM 17 EPA 200.7, 6010B, 6010C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SSCC-15-012-0-0.5 | 6-22-15 | 1000 | | X | 1 | | | | | X | X | X | X | X |
| 2 | SSCC-15-012-1.5-2 | | 1010 | | | | | | | | | | | | |
| 3 | SSCC-15-013-0-0.5 | | 1020 | | | | | | | | | | | | |
| 4 | SSCC-15-013-1.5-2 | | 1030 | | | | | | | | | | | | |
| 5 | SSCC-15-05-0-0.5 | | 1150 | | | | | | | | | | | | |
| 6 | SSCC-15-05-1.5-2 | | 1155 | | | | | | | | | | | | |
| 7 | SSCC-15-06-0-0.5 | | 1210 | | | | | | | | | | | | |
| 8 | SSCC-15-06-1.5-2 | | 1215 | | | | | | | | | | | | |
| 9 | SSCC-15-04-0-0.5 | | 1300 | | | | | | | | | | | | |
| 10 | SSCC-15-04-1.5-2 | | 1315 | | | | | | | | | | | | |
| 11 | DUP-062214-1 | 6-22-15 | — | | | | | | | | | | | | |
| 12 | SSM-15-01-0-0.5 | 6-23-15 | 0910 | | | | | | | | | | | | |
| 13 | SSM-15-01-1.5-2 | " | 0920 | | | | | | | | | | | | |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY: [signature] DATE: 6/23/15 TIME: 1322
DATE: TIME:
DATE: TIME:

RECEIVED BY: [signature] DATE: 6/23/15 TIME: 13:22
DATE: TIME:
DATE: TIME:

# CHAIN OF CUSTODY



Chain of Custody # _____

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 267699

Project No: RSR2
Project Name:
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH _____ ☒ Standard

Sampler: MARK TREVOR
Report To: M. TREVOR
Company: SLR
Telephone:
Email:

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | ANALYTICAL REQUEST GRO by EPA 8015 D | DRO 8015 D | MOTOR OIL 8015 D | CAM17 Metals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | SSM-15-02-0-0.5 | 6-23-14 | 0930 | | X | 1 | | | | | X | X | X | X | X |
| 15 | SSM-15-02-1.5-2 | ↓ | 0935 | | ↓ | ↓ | | | | | ↓ | ↓ | ↓ | ↓ | ↓ |
| 16 | SSM-15-03-0-0.5 | | 0945 | | | | | | | | | | | | |
| 17 | SSM-15-03-1.5-2 | | 0950 | | | | | | | | | | | | |
| 18 | SSM-15-04-0-0.5 | | 1015 | | | | | | | | | | | | |
| 19 | SSM-15-04-1.5-2 | | 1020 | | | | | | | | | | | | |
| 20 | SSM-15-06-0-0.5 | | 1050 | | | | | | | | | | | | |
| | ~~SSM-15-05-0-0.5~~ | — | ~~1215~~ | | | | | | | | | | | | |
| | ~~1245~~ | — | — | | | | | | | | | | | | |
| 21 | SSM-15-06-1.5-2 | 6/23/14 | 1058 | | | | | | | | | | | | |
| 22 | SSM-15-05-0-0.5 | | 1240 | | | | | | | | | | | | |
| 23 | SSM-15-05-1.5-2 | ↓ | 1245 | | | ↓ | | | | | ↓ | ↓ | ↓ | ↓ | ↓ |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
[signature] DATE: 6/23/15 TIME: 1322
DATE: TIME:
DATE: TIME:

RECEIVED BY:
[signature] DATE: 6/23/15 TIME: 1322
DATE: TIME:
DATE: TIME:

**COOLER RECEIPT CHECKLIST**

Curtis & Tompkins, Ltd.

Login # 267699 Date Received 6/23/15 Number of coolers 1
Client SLR Project RSR

Date Opened 6/23 By (print) SL (sign) [signature]
Date Logged in 6/23 By (print) BL (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO NA
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.5°

☒ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ YES NO
10. Are there any missing / extra samples? _____ YES NO
11. Are samples in the appropriate containers for indicated tests? _____ YES NO
12. Are sample labels present, in good condition and complete? _____ YES NO
13. Do the sample labels agree with custody papers? _____ YES NO
14. Was sufficient amount of sample sent for tests requested? _____ YES NO
15. Are the samples appropriately preserved? _____ YES NO NA
16. Did you check preservatives for all bottles for each sample? _____ YES NO NA
17. Did you document your preservative check? _____ YES NO NA
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO NA
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO NA
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO NA
21. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

Rev 10, 9/12

Curtis & Tompkins, Ltd.

# Detections Summary for 267699

Results for any subcontracted analyses are not included in this summary.

Client : SLR International
Project : STANDARD
Location : RSR

## Client Sample ID : SSCC-15-012-0-0.5 Laboratory Sample ID : 267699-001

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 74 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 560 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Arsenic | 3.9 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 120 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.47 | | 0.093 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 26 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 7.0 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 33 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 26 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.21 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.68 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 28 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 37 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 160 | | 0.93 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

## Client Sample ID : SSCC-15-012-1.5-2 Laboratory Sample ID : 267699-002

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 24 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 120 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Arsenic | 3.8 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 73 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.54 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 24 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 6.7 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 18 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 12 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 21 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 35 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 61 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-013-0-0.5 Laboratory Sample ID : 267699-003

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 40 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 150 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Arsenic | 4.3 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 150 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.64 | | 0.097 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 20 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.0 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 18 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 24 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 23 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 30 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 110 | | 0.97 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-013-1.5-2 Laboratory Sample ID : 267699-004

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 22 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 100 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Arsenic | 4.7 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 150 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.62 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 20 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.7 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 21 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 22 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.015 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 23 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 28 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 140 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-05-0-0.5 Laboratory Sample ID : 267699-005

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 15 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 120 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Arsenic | 8.8 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 210 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.73 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 22 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.6 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 24 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 65 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.23 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 31 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 36 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 100 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-05-1.5-2 Laboratory Sample ID : 267699-006

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 11 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 120 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Arsenic | 7.9 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 190 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.74 | | 0.098 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 23 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.7 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 25 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 61 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.12 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 29 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 36 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 99 | | 0.98 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-06-0-0.5 Laboratory Sample ID : 267699-007

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 11 | Y | 2.0 | mg/Kg | As Recd | 2.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 94 | | 10 | mg/Kg | As Recd | 2.000 | EPA 8015B | EPA 3550B |
| Arsenic | 9.3 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 220 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.71 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 21 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 11 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 25 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 67 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.31 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 32 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 37 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 110 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-06-1.5-2 Laboratory Sample ID : 267699-008

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 9.3 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 180 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Arsenic | 7.7 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.77 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 22 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.7 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 25 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 47 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.12 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 29 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 35 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 91 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

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Client Sample ID : SSCC-15-04-0-0.5 Laboratory Sample ID : 267699-009

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 38 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 310 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Arsenic | 6.6 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.43 | | 0.099 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.28 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 49 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 12 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 46 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 95 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 62 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 69 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 130 | | 0.99 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-04-1.5-2 Laboratory Sample ID : 267699-010

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 26 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 230 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Arsenic | 8.1 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.44 | | 0.094 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.25 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 55 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 13 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 45 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 84 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.095 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 64 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 71 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 120 | | 0.94 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : DUP-062214-1 Laboratory Sample ID : 267699-011

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 30 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 270 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Arsenic | 6.8 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.40 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 50 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 12 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 42 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 110 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.10 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 58 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 66 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 110 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSM-15-01-0-0.5 Laboratory Sample ID : 267699-012

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 260 | Y | 9.9 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 730 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.95 | | 0.50 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.2 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 160 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.37 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.50 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 63 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 9.5 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 44 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 92 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.22 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.6 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 63 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 27 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 210 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

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Client Sample ID : SSM-15-01-1.5-2 Laboratory Sample ID : 267699-013

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 10 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 110 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Antimony | 0.84 | | 0.55 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 8.2 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 130 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.70 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 120 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 19 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 41 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 77 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.15 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 150 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 42 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 110 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSM-15-02-0-0.5 Laboratory Sample ID : 267699-014

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 250 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 680 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 1.0 | | 0.52 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.0 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 150 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.37 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.47 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 56 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 9.5 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 50 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 89 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.17 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.5 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 64 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 27 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 230 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

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Client Sample ID : SSM-15-02-1.5-2 Laboratory Sample ID : 267699-015

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 18 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 160 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Antimony | 0.70 | | 0.48 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 7.1 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 120 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.62 | | 0.096 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 120 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 16 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 34 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 90 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.15 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 150 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 39 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 100 | | 0.96 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSM-15-03-0-0.5 Laboratory Sample ID : 267699-016

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 23 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 300 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.81 | | 0.49 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 3.7 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.38 | | 0.098 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.39 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 36 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 6.6 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 400 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 100 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 1.1 | | 0.079 | mg/Kg | As Recd | 5.000 | EPA 7471A | METHOD |
| Molybdenum | 1.2 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 35 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 32 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 210 | | 0.98 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSM-15-03-1.5-2 Laboratory Sample ID : 267699-017

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 31 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 410 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.95 | | 0.50 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 6.2 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 120 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.44 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 1.1 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 43 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.1 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 44 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 180 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.38 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.62 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 44 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 35 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 160 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSM-15-04-0-0.5 Laboratory Sample ID : 267699-018

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 77 | Y | 50 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 690 | | 250 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Arsenic | 4.4 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 110 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.54 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 110 | | 26 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Cobalt | 11 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 21 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,800 | | 26 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.088 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 100 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 35 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 490 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSM-15-04-1.5-2 Laboratory Sample ID : 267699-019

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 82 | Y | 50 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 680 | | 250 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.56 | | 0.47 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.6 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 130 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.51 | | 0.094 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 95 | | 24 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Cobalt | 12 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 22 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,400 | | 24 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.071 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 97 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 35 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 750 | | 94 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

Client Sample ID : SSM-15-06-0-0.5 Laboratory Sample ID : 267699-020

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 1.6 | Y,Z | 1.1 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 5030B |
| Diesel C10-C24 | 140 | Y | 50 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 990 | | 250 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.57 | | 0.50 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 2.7 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 75 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.50 | | 0.099 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 1.1 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 31 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 6.7 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 13 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 280 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.12 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 34 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 27 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 85 | | 0.99 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSM-15-06-1.5-2 Laboratory Sample ID : 267699-021

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 170 | Y | 50 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 1,300 | | 250 | mg/Kg | As Recd | 50.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.62 | | 0.49 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 2.7 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 70 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.42 | | 0.097 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 1.6 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 23 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 7.1 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 12 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 130 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 26 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 26 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 79 | | 0.97 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSM-15-05-0-0.5 Laboratory Sample ID : 267699-022

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 24 | Y | 20 | mg/Kg | As Recd | 20.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 350 | | 99 | mg/Kg | As Recd | 20.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.67 | | 0.49 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 6.9 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 130 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.55 | | 0.097 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 36 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 9.5 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 25 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 190 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.32 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 40 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 27 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 110 | | 0.97 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSM-15-05-1.5-2 Laboratory Sample ID : 267699-023

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 25 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 400 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 0.65 | | 0.53 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 7.7 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 110 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.59 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 39 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 9.9 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 18 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 170 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.28 | | 0.015 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 40 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 29 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 110 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-05-0-0.5 Laboratory Sample ID : 267699-024

No Detections

Client Sample ID : SSCC-15-05-1.5-2 Laboratory Sample ID : 267699-025

No Detections

Client Sample ID : SSCC-15-06-0-0.5 Laboratory Sample ID : 267699-026

No Detections

Client Sample ID : SSCC-15-06-1.5-2 Laboratory Sample ID : 267699-027

No Detections

Y = Sample exhibits chromatographic pattern which does not resemble standard
Z = Sample exhibits unknown single peak or peaks

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-012-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-001 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-012-1.5-2 | Batch#: | 224439 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-002 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 114 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-013-0-0.5 | Batch#: | 224439 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-003 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 103 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-013-1.5-2 | Batch#: | 224439 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-004 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 108 | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-05-0-0.5 | Batch#: | 224439 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-005 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-05-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-006 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 101 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-06-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-007 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-06-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-008 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-04-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-009 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-04-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-010 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | DUP-062214-1 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-011 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-01-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-012 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 65 * | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-01-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-013 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-02-0-0.5 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-014 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 73 * | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-02-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-015 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 101 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-03-0-0.5 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-016 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.93 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-03-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-017 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-04-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-018 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-04-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-019 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-06-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-020 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 1.6 Y Z | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 107 | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

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# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-06-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-021 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-05-0-0.5 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-022 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 94 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-05-1.5-2 | Batch#: | 224440 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-023 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 94 | 78-138 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224439 |
| Lab ID: | QC793044 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 109 | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

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# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224440 |
| Lab ID: | QC793050 | Analyzed: | 06/24/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 101 | 78-138 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224499 |
| Lab ID: | QC793297 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793043 | Batch#: | 224439 |
| Matrix: | Soil | Analyzed: | 06/24/15 |
| Units: | mg/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 1.016 | 102 | 80-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 113 | 78-138 |

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 1.000 |
| MSS Lab ID: | 267704-001 | Batch#: | 224439 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 06/24/15 |

Type: MS Lab ID: QC793045

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 1.601 | 10.31 | 9.246 | 74 | 50-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 116 | 78-138 |

Type: MSD Lab ID: QC793046

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 10.00 | 7.925 | 63 | 50-120 | 13 | 31 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 118 | 78-138 |

RPD= Relative Percent Difference

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793049 | Batch#: | 224440 |
| Matrix: | Soil | Analyzed: | 06/24/15 |
| Units: | mg/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 1.005 | 100 | 80-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | SSCC-15-012-0-0.5 | Diln Fac: | 1.000 |
| MSS Lab ID: | 267699-001 | Batch#: | 224440 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 06/24/15 |

Type: MS Lab ID: QC793051

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.06855 | 10.10 | 5.711 | 56 | 50-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

Type: MSD Lab ID: QC793052

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 9.259 | 4.509 | 48 * | 50-120 | 15 | 31 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793298 | Batch#: | 224499 |
| Matrix: | Soil | Analyzed: | 06/25/15 |
| Units: | mg/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 0.9797 | 98 | 80-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | SSM-15-03-0-0.5 | Diln Fac: | 1.000 |
| MSS Lab ID: | 267699-016 | Batch#: | 224499 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 06/25/15 |

Type: MS Lab ID: QC793299

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.05458 | 10.53 | 8.562 | 81 | 50-120 |

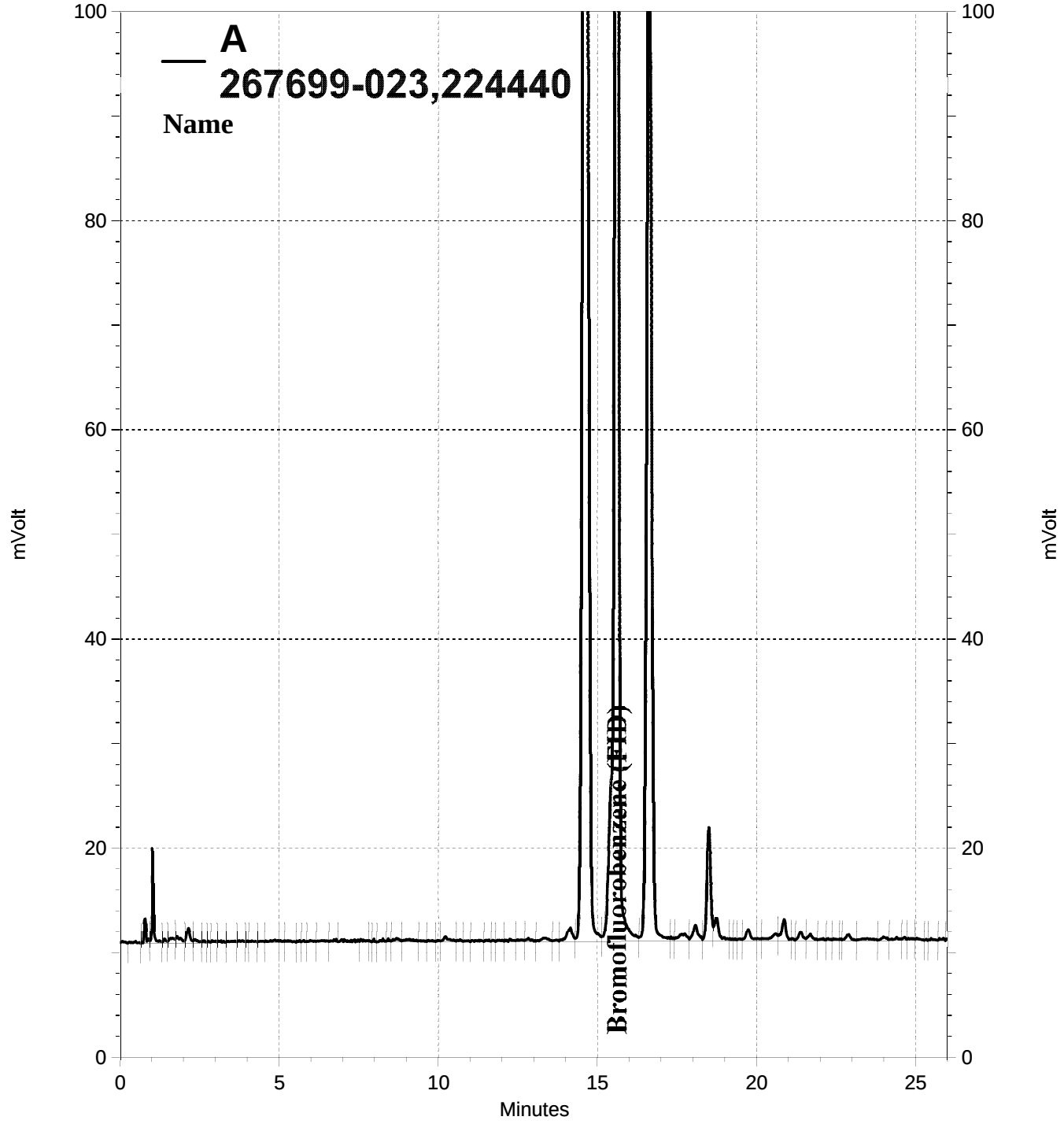
| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 101 | 78-138 |

Type: MSD Lab ID: QC793300

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 10.75 | 7.051 | 65 | 50-120 | 21 | 31 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

RPD= Relative Percent Difference

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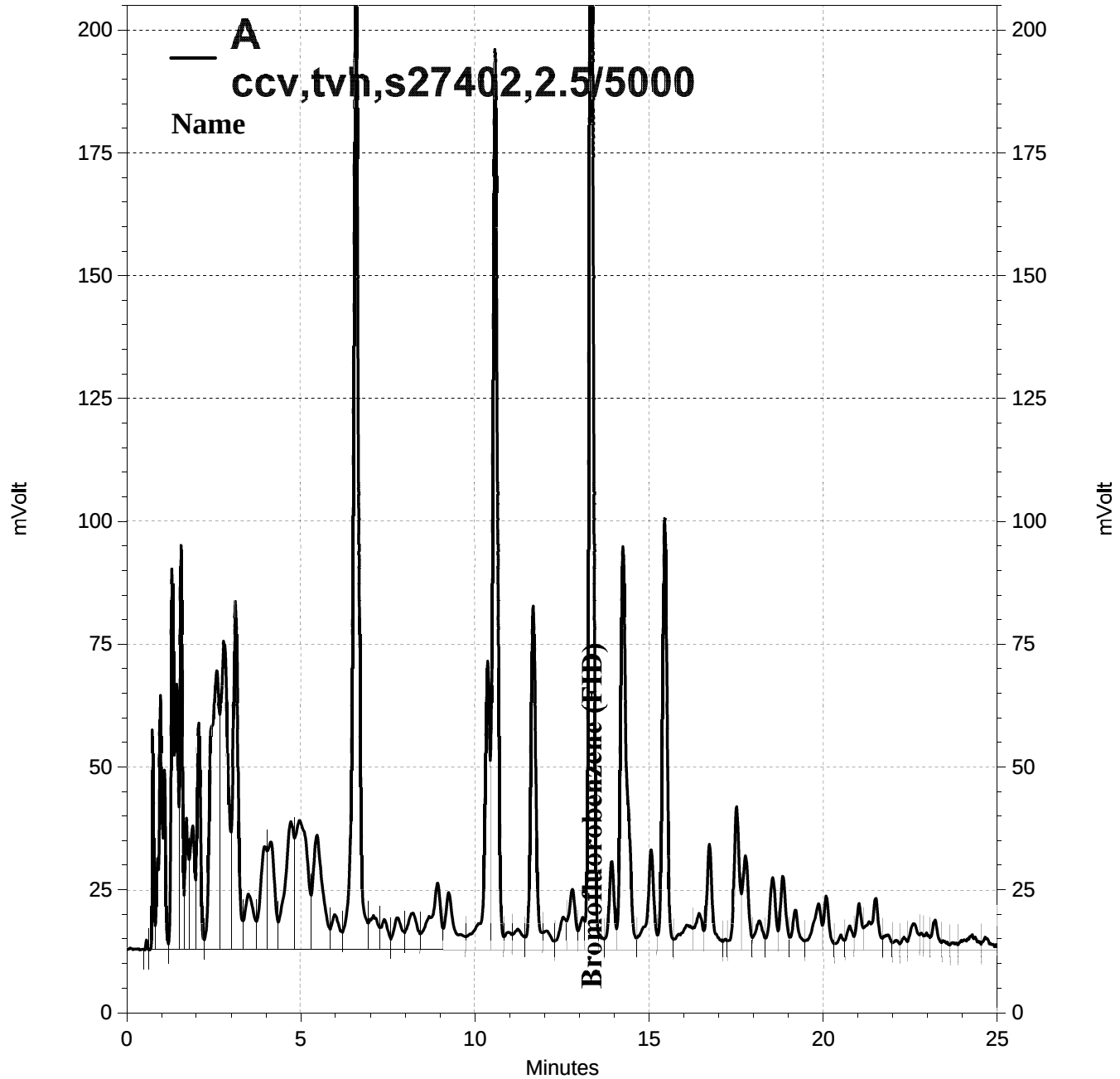


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Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-012-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-001 | Analyzed: | 06/26/15 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 74 Y | 10 |
| Motor Oil C24-C36 | 560 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-012-1.5-2 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-002 | Analyzed: | 06/27/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 24 Y | 5.0 |
| Motor Oil C24-C36 | 120 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 99 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-013-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-003 | Analyzed: | 06/27/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 40 Y | 5.0 |
| Motor Oil C24-C36 | 150 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 101 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-013-1.5-2 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-004 | Analyzed: | 06/27/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 22 Y | 5.0 |
| Motor Oil C24-C36 | 100 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 101 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-05-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-005 | Analyzed: | 06/27/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 15 Y | 5.0 |
| Motor Oil C24-C36 | 120 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 101 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-05-1.5-2 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-006 | Analyzed: | 06/27/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 11 Y | 5.0 |
| Motor Oil C24-C36 | 120 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 89 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-06-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-007 | Analyzed: | 06/27/15 |
| Diln Fac: | 2.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 11 Y | 2.0 |
| Motor Oil C24-C36 | 94 | 10 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 81 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-06-1.5-2 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-008 | Analyzed: | 06/26/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 9.3 Y | 5.0 |
| Motor Oil C24-C36 | 180 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 108 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-04-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-009 | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 38 Y | 1.0 |
| Motor Oil C24-C36 | 310 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 95 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-04-1.5-2 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-010 | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 26 Y | 1.0 |
| Motor Oil C24-C36 | 230 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 82 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | DUP-062214-1 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/22/15 |
| Lab ID: | 267699-011 | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 30 Y | 1.0 |
| Motor Oil C24-C36 | 270 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 98 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-01-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-012 | Analyzed: | 06/26/15 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 260 Y | 9.9 |
| Motor Oil C24-C36 | 730 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-01-1.5-2 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-013 | Analyzed: | 06/26/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 10 Y | 5.0 |
| Motor Oil C24-C36 | 110 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 89 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-02-0-0.5 | Batch#: | 224512 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-014 | Analyzed: | 06/26/15 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 250 Y | 10 |
| Motor Oil C24-C36 | 680 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-02-1.5-2 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-015 | Analyzed: | 06/26/15 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 18 Y | 5.0 |
| Motor Oil C24-C36 | 160 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 101 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-03-0-0.5 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-016 | Analyzed: | 06/27/15 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 23 Y | 10 |
| Motor Oil C24-C36 | 300 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-03-1.5-2 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-017 | Analyzed: | 06/27/15 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 31 Y | 10 |
| Motor Oil C24-C36 | 410 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-04-0-0.5 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-018 | Analyzed: | 06/26/15 |
| Diln Fac: | 50.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 77 Y | 50 |
| Motor Oil C24-C36 | 690 | 250 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-04-1.5-2 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-019 | Analyzed: | 06/26/15 |
| Diln Fac: | 50.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 82 Y | 50 |
| Motor Oil C24-C36 | 680 | 250 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-06-0-0.5 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-020 | Analyzed: | 06/26/15 |
| Diln Fac: | 50.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 140 Y | 50 |
| Motor Oil C24-C36 | 990 | 250 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-06-1.5-2 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-021 | Analyzed: | 06/26/15 |
| Diln Fac: | 50.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 170 Y | 50 |
| Motor Oil C24-C36 | 1,300 | 250 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-05-0-0.5 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-022 | Analyzed: | 06/27/15 |
| Diln Fac: | 20.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 24 Y | 20 |
| Motor Oil C24-C36 | 350 | 99 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSM-15-05-1.5-2 | Batch#: | 224505 |
| Type: | SAMPLE | Sampled: | 06/23/15 |
| Lab ID: | 267699-023 | Analyzed: | 06/27/15 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 25 Y | 10 |
| Motor Oil C24-C36 | 400 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224505 |
| Lab ID: | QC793323 | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |
| Motor Oil C24-C36 | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 99 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224512 |
| Lab ID: | QC793363 | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |
| Motor Oil C24-C36 | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 96 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793324 | Batch#: | 224505 |
| Matrix: | Soil | Prepared: | 06/25/15 |
| Units: | mg/Kg | Analyzed: | 06/26/15 |

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.64 | 34.50 | 70 | 58-137 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 73 | 59-140 |

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Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | SSM-15-02-1.5-2 | Batch#: | 224505 |
| MSS Lab ID: | 267699-015 | Sampled: | 06/23/15 |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | Analyzed: | 06/26/15 |
| Diln Fac: | 5.000 | | |

Type: MS Lab ID: QC793325

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 17.61 | 50.05 | 58.61 | 82 | 46-154 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 86 | 59-140 |

Type: MSD Lab ID: QC793326

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 49.78 | 65.60 | 96 | 46-154 | 12 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 106 | 59-140 |

RPD= Relative Percent Difference

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Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793364 | Batch#: | 224512 |
| Matrix: | Soil | Prepared: | 06/25/15 |
| Units: | mg/Kg | Analyzed: | 06/26/15 |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.78 | 47.93 | 96 | 58-137 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 105 | 59-140 |

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Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 224512 |
| MSS Lab ID: | 267769-001 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | Analyzed: | 06/27/15 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC793365

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 17.63 | 50.13 | 42.16 | 49 | 46-154 |

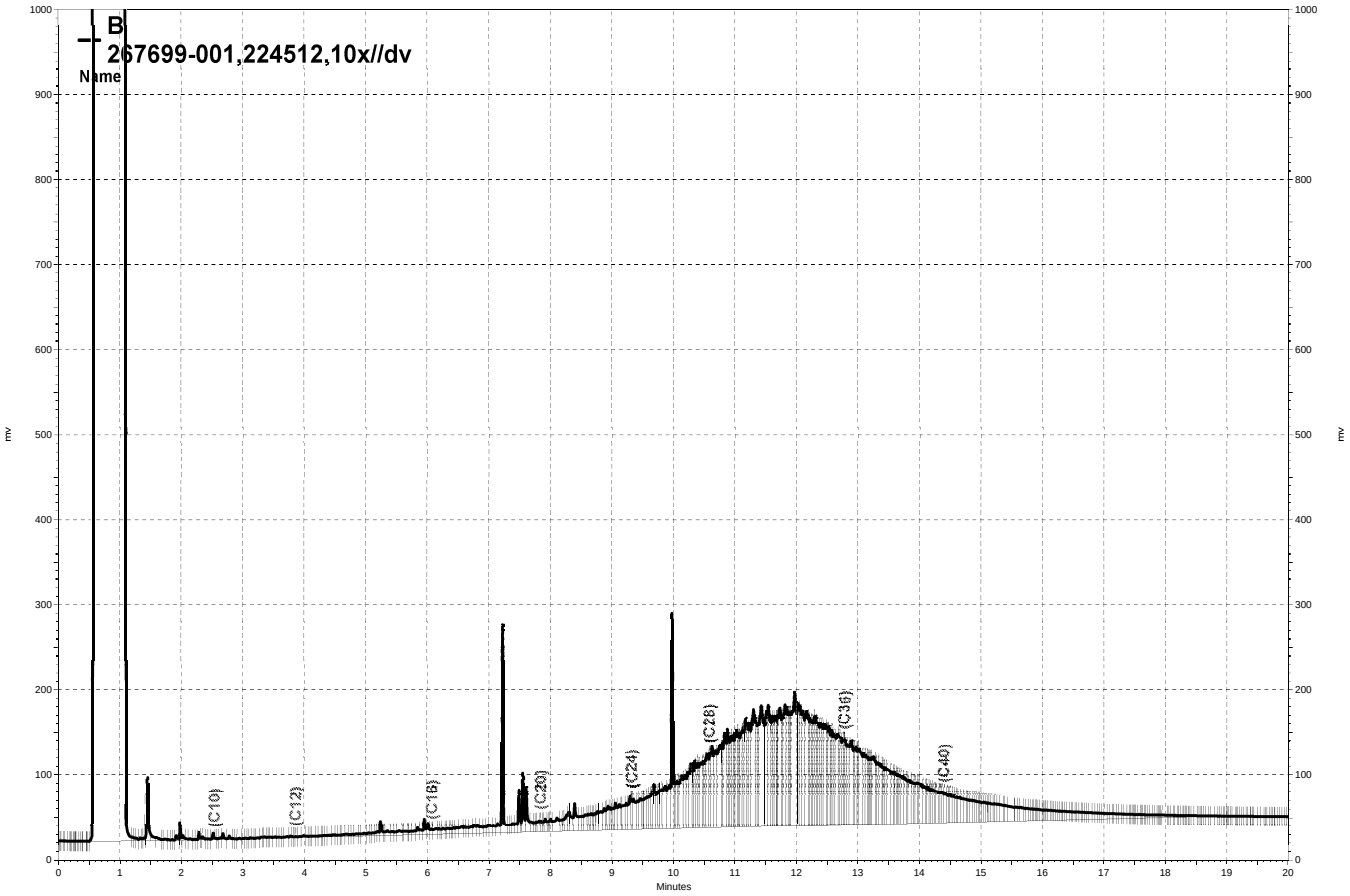
| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 90 | 59-140 |

Type: MSD Lab ID: QC793366

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 49.94 | 43.86 | 53 | 46-154 | 4 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 92 | 59-140 |

RPD= Relative Percent Difference

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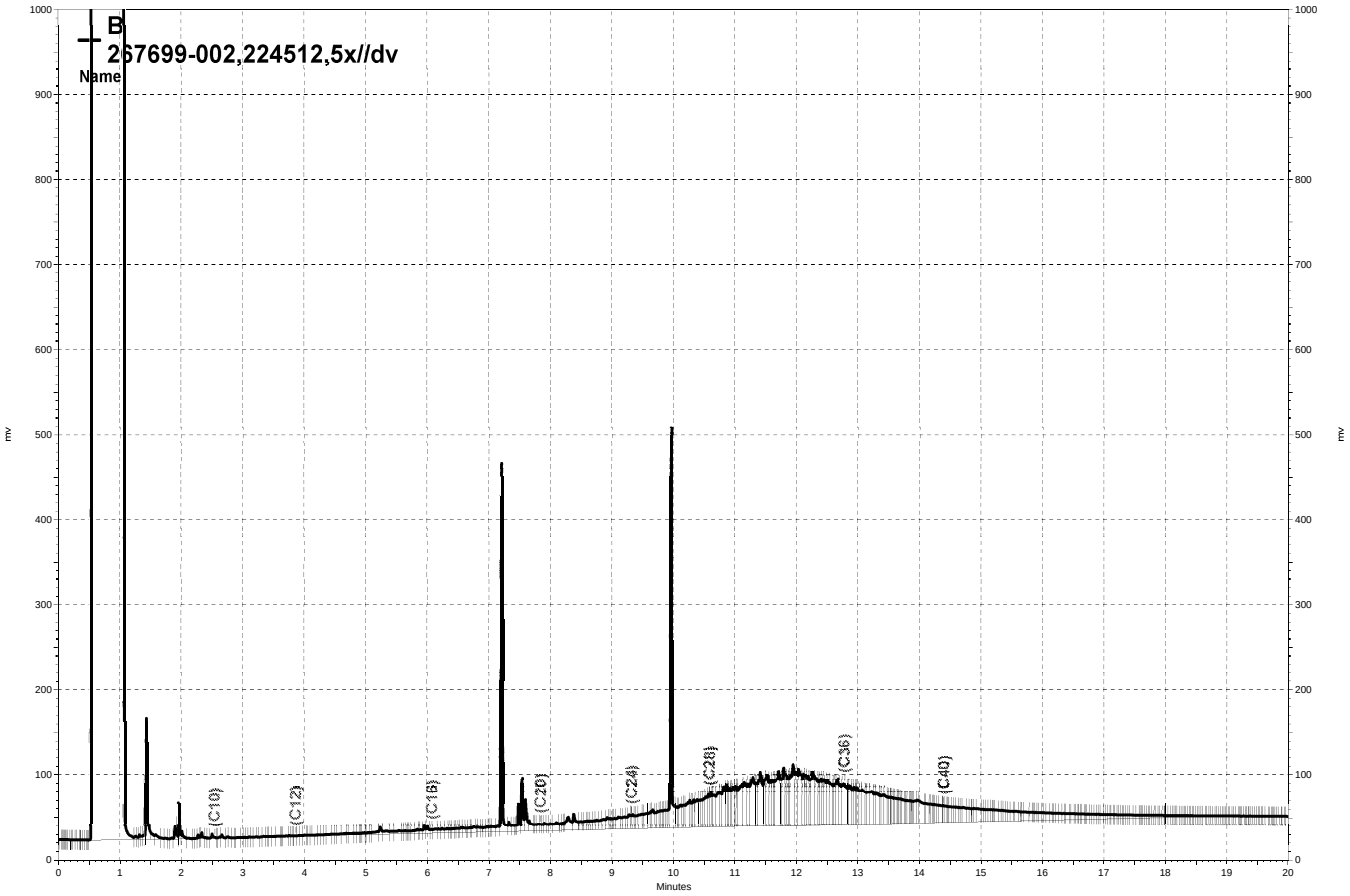


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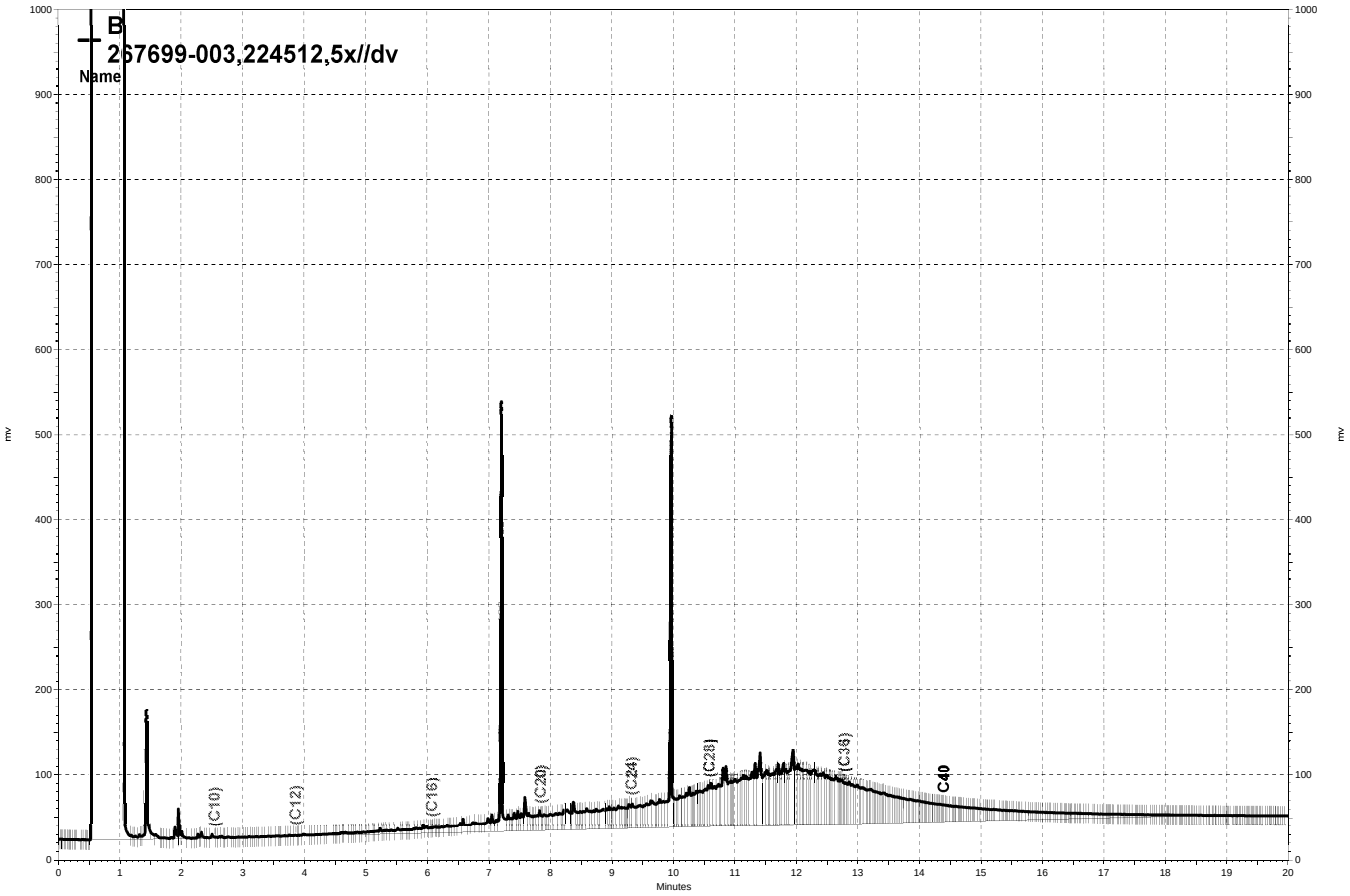


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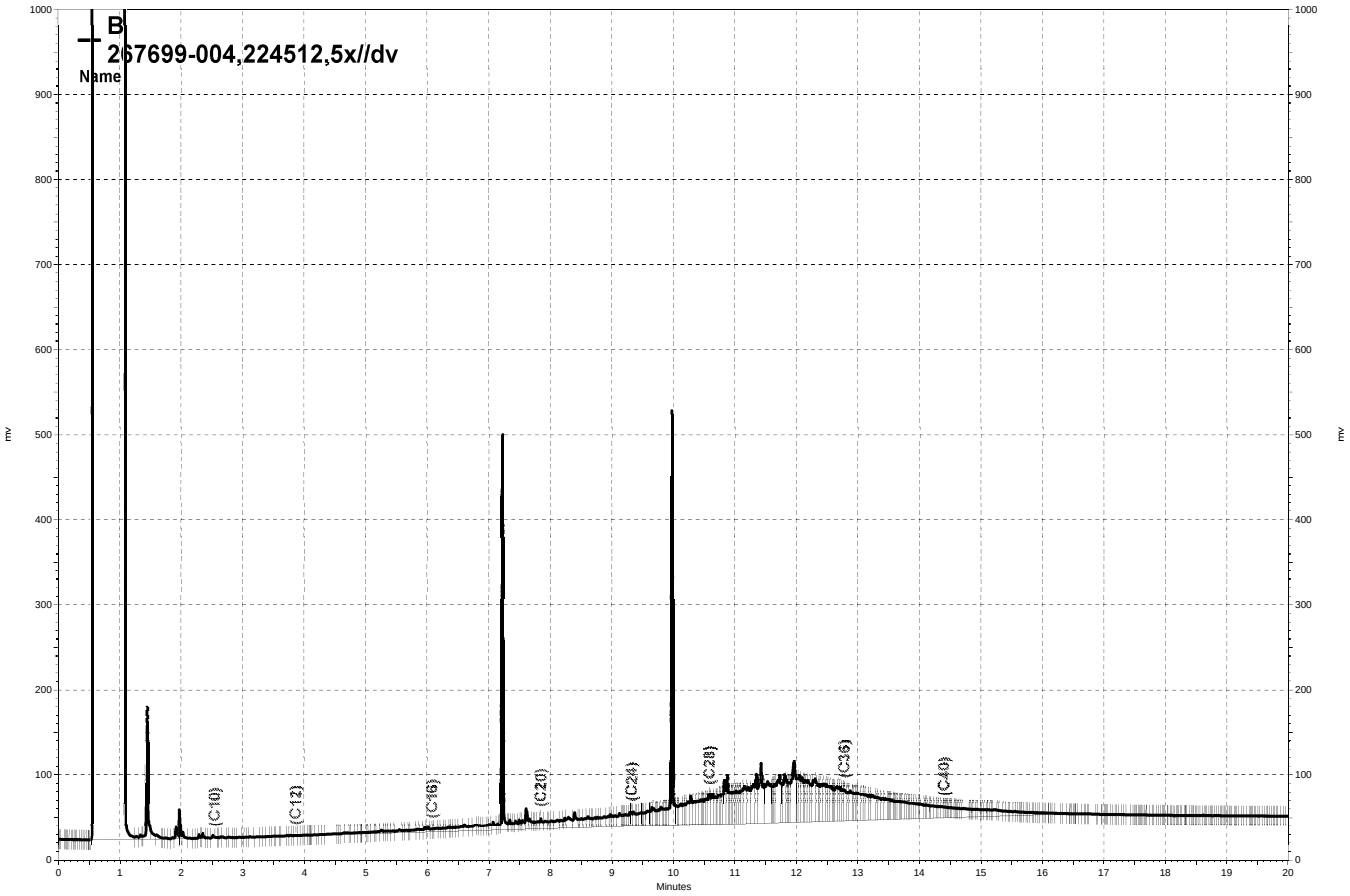


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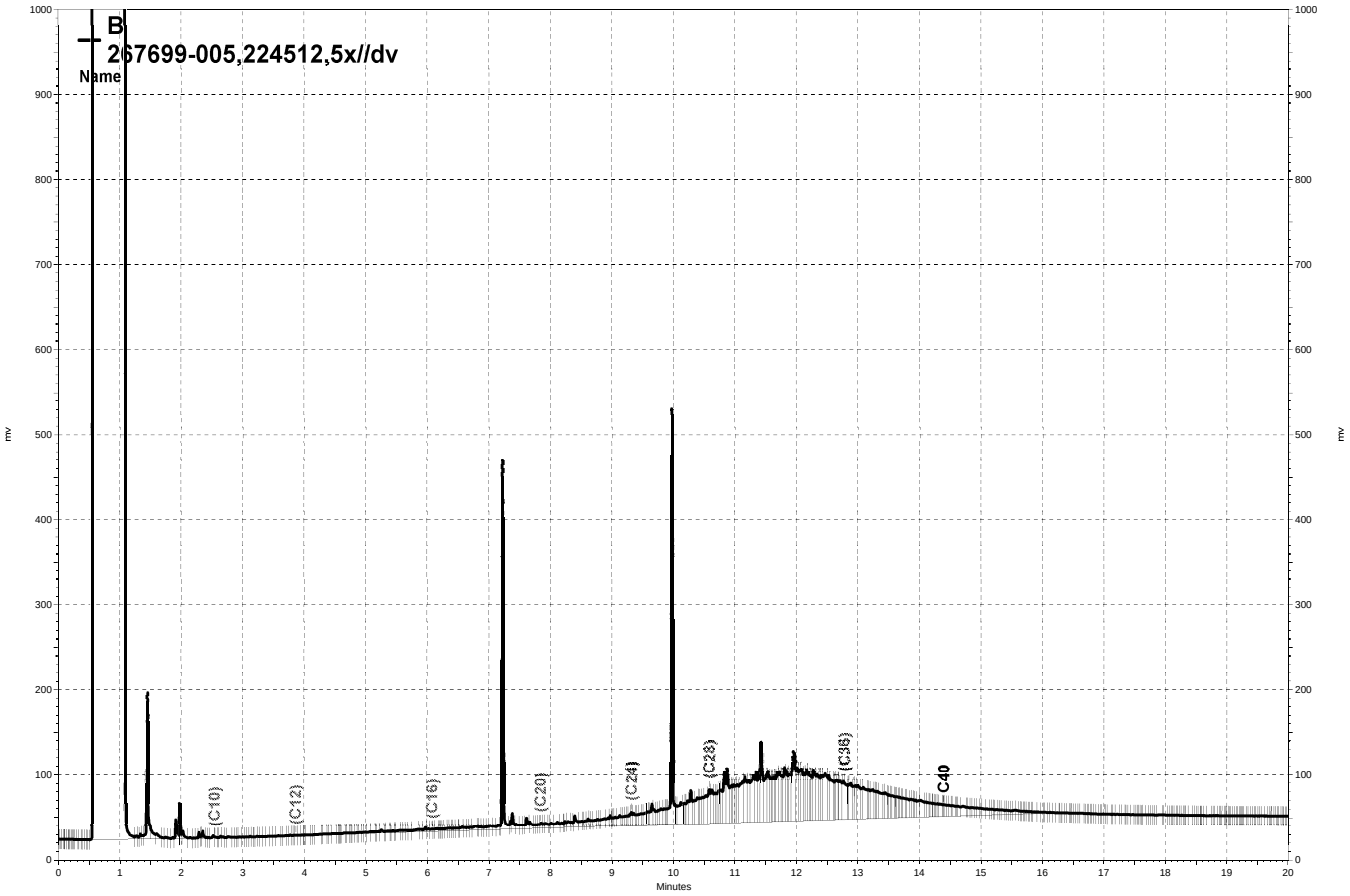


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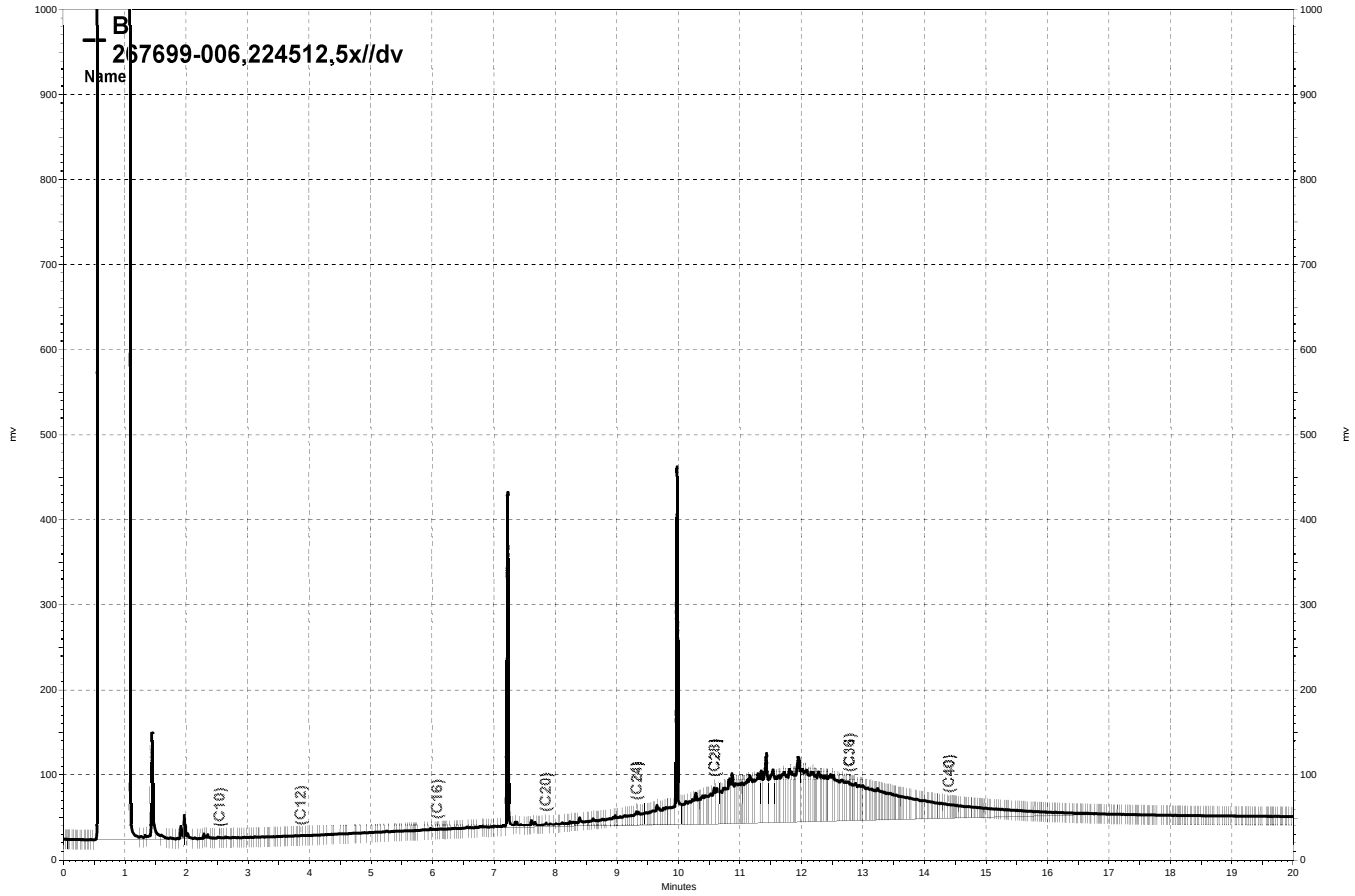


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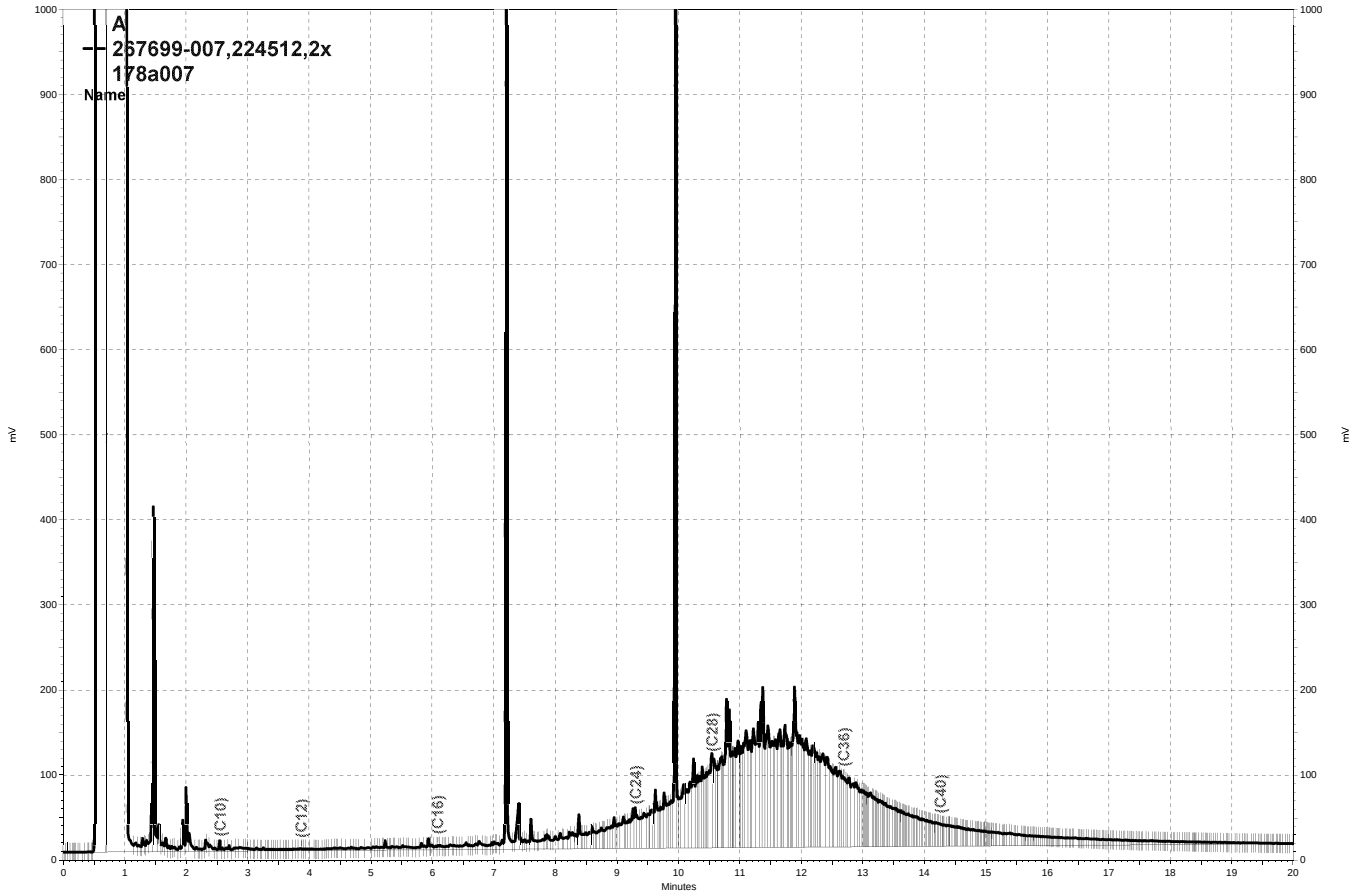


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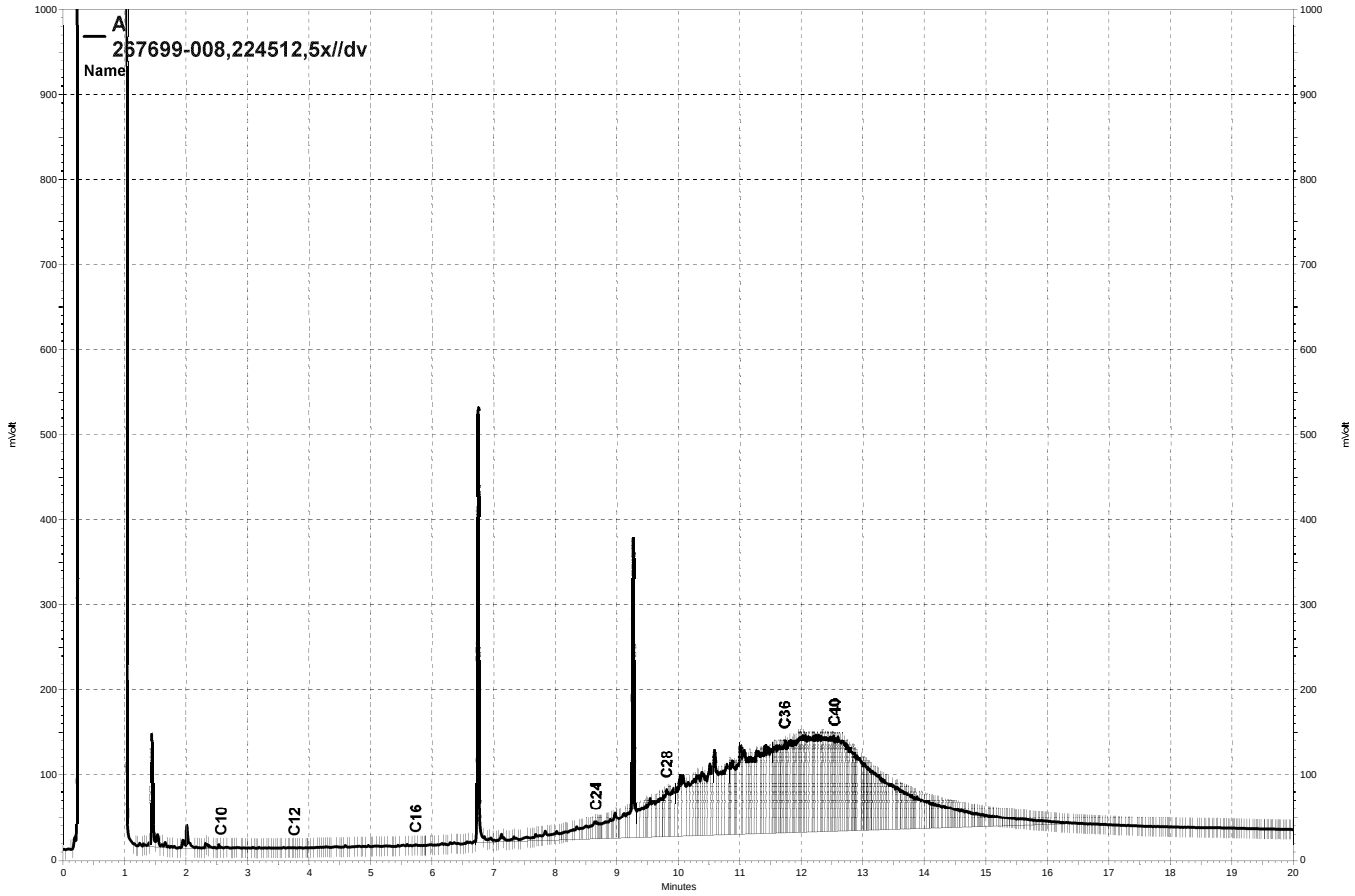


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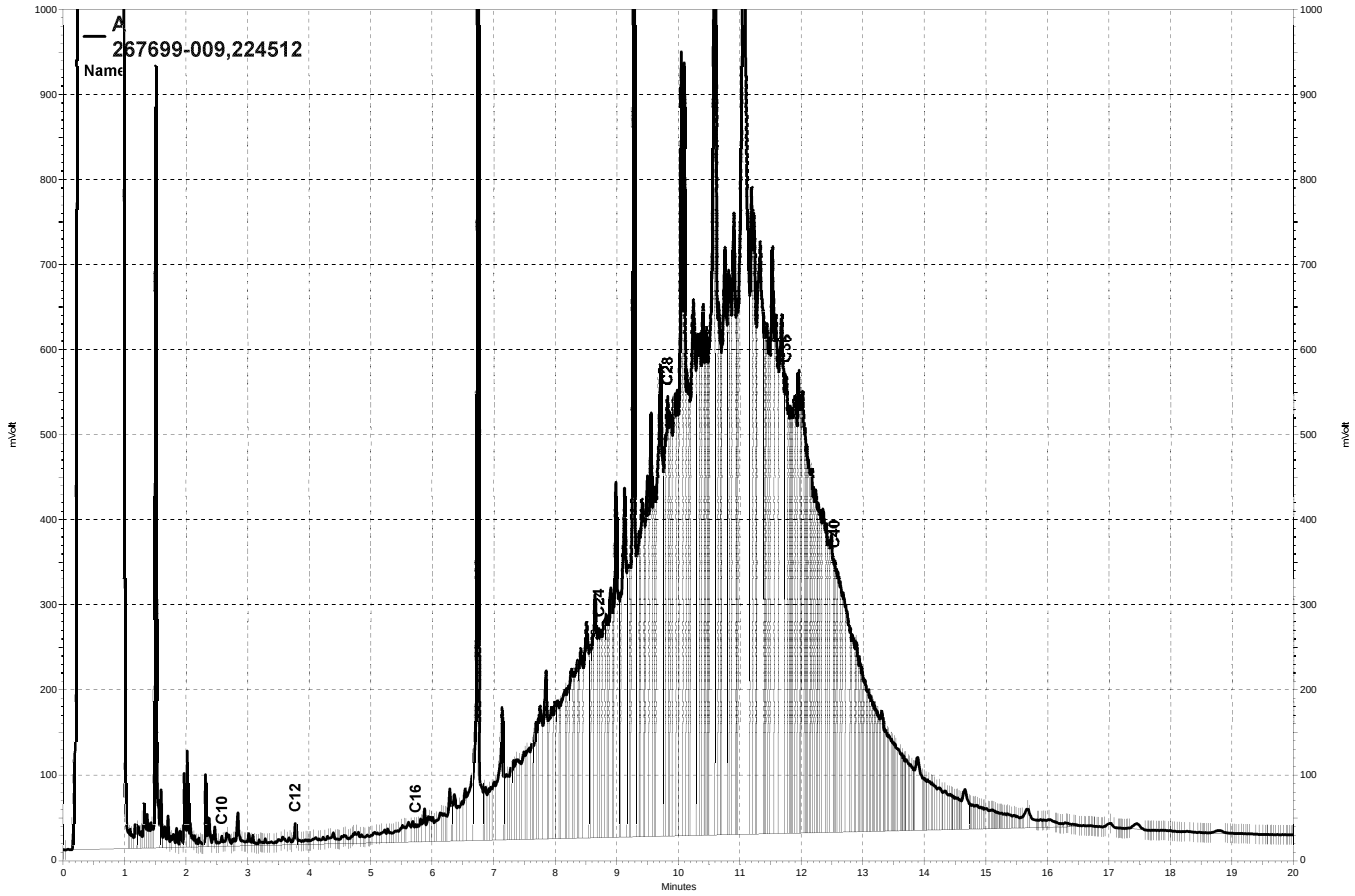


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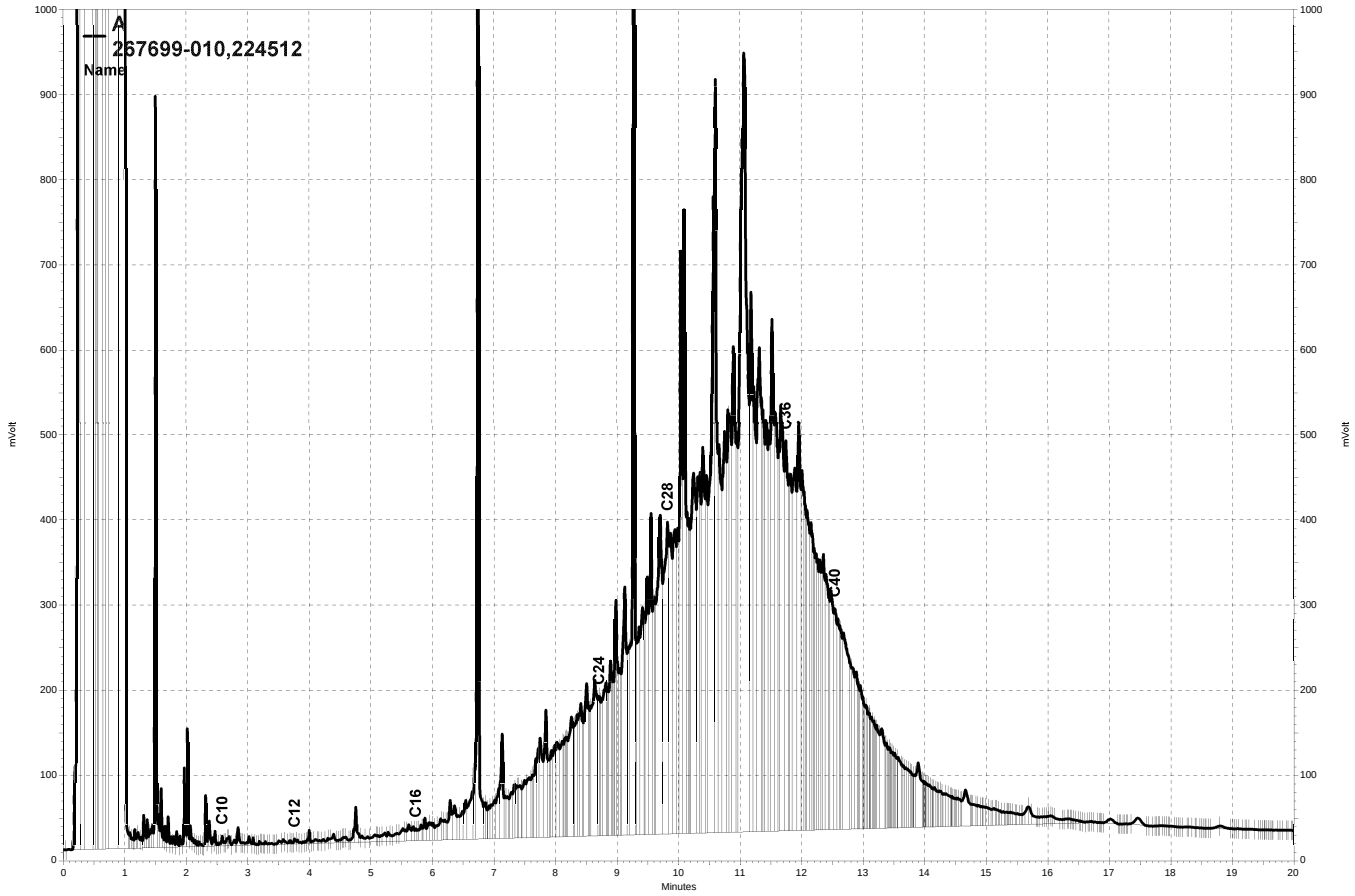


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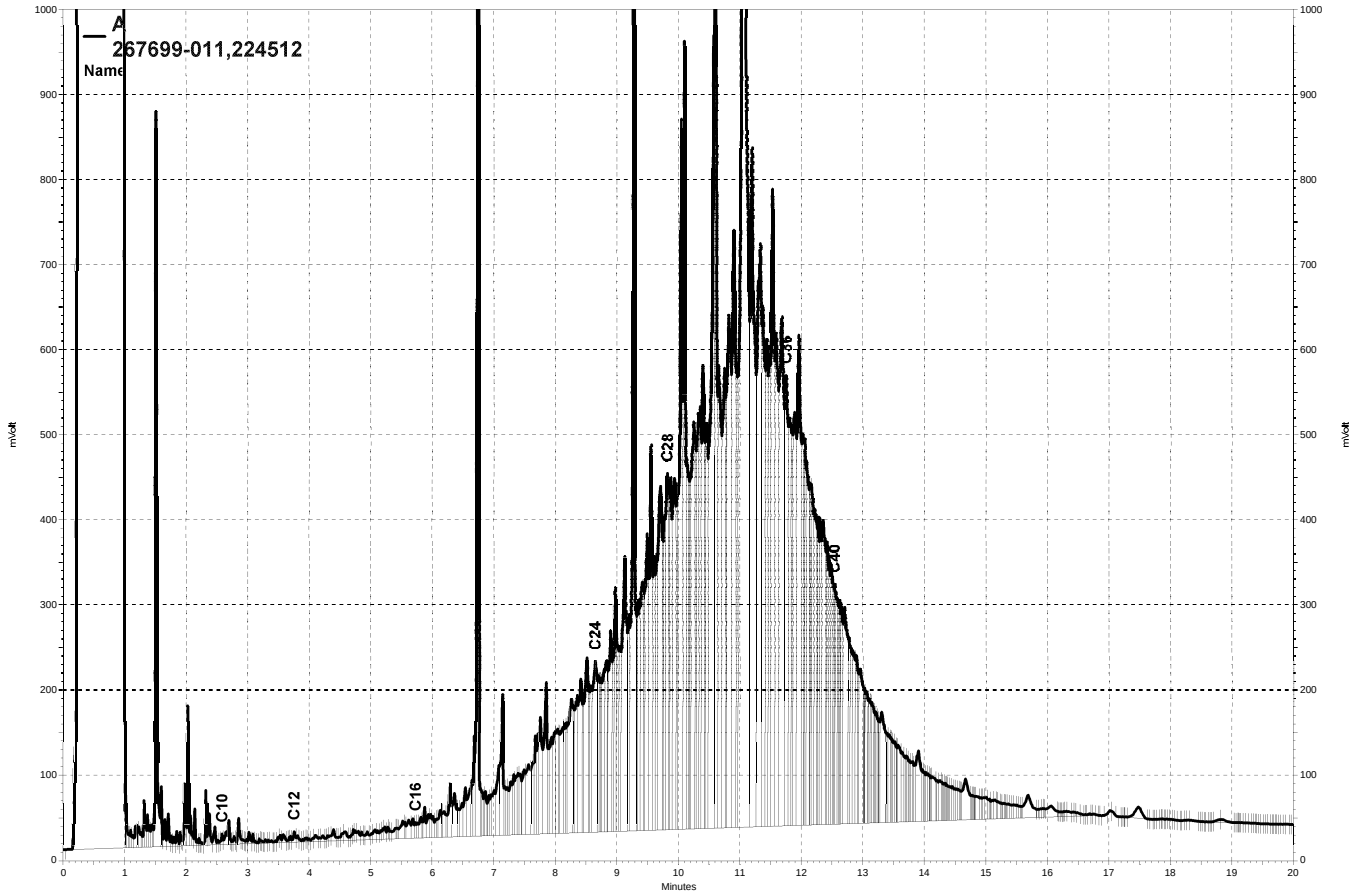


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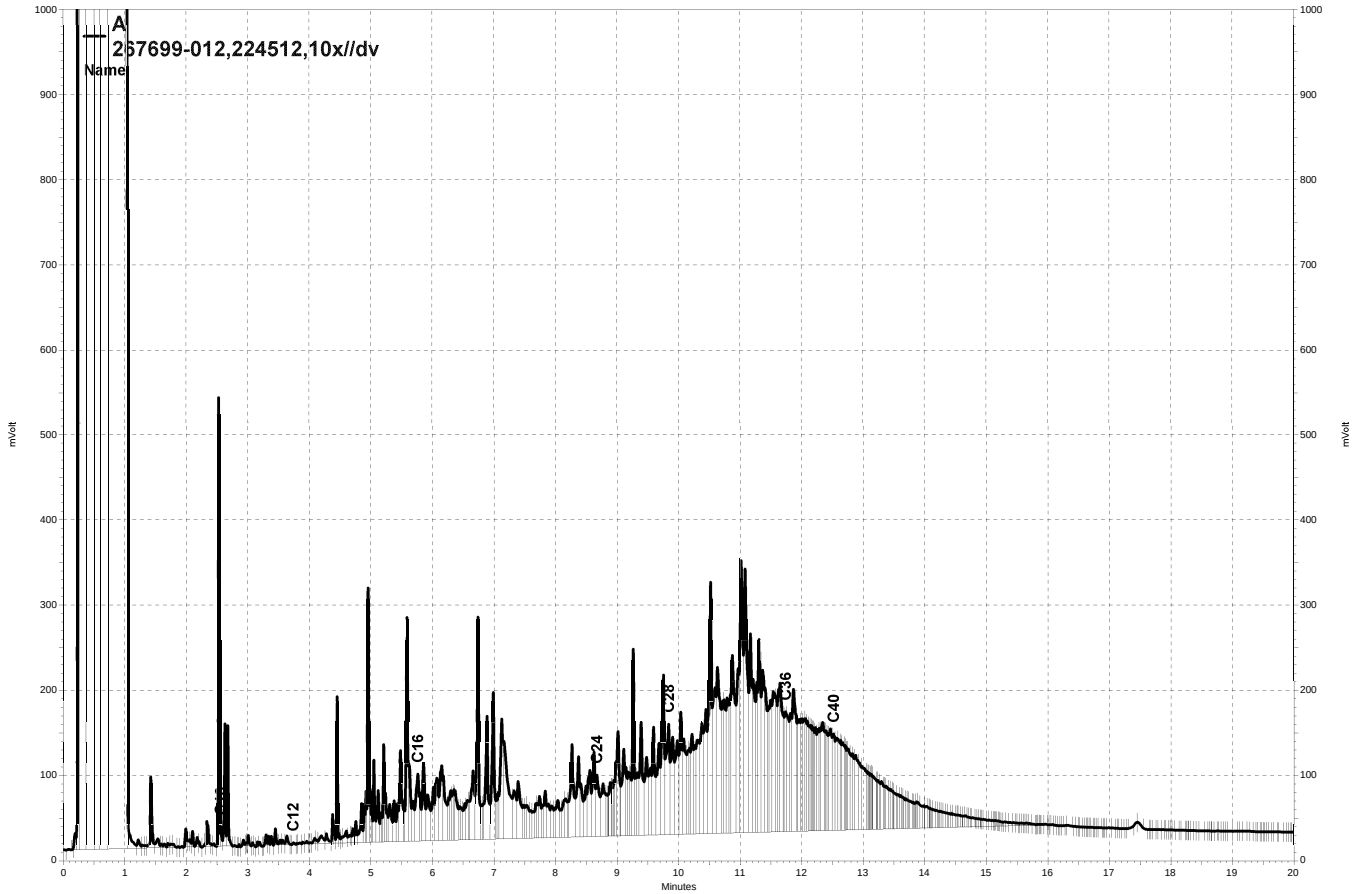


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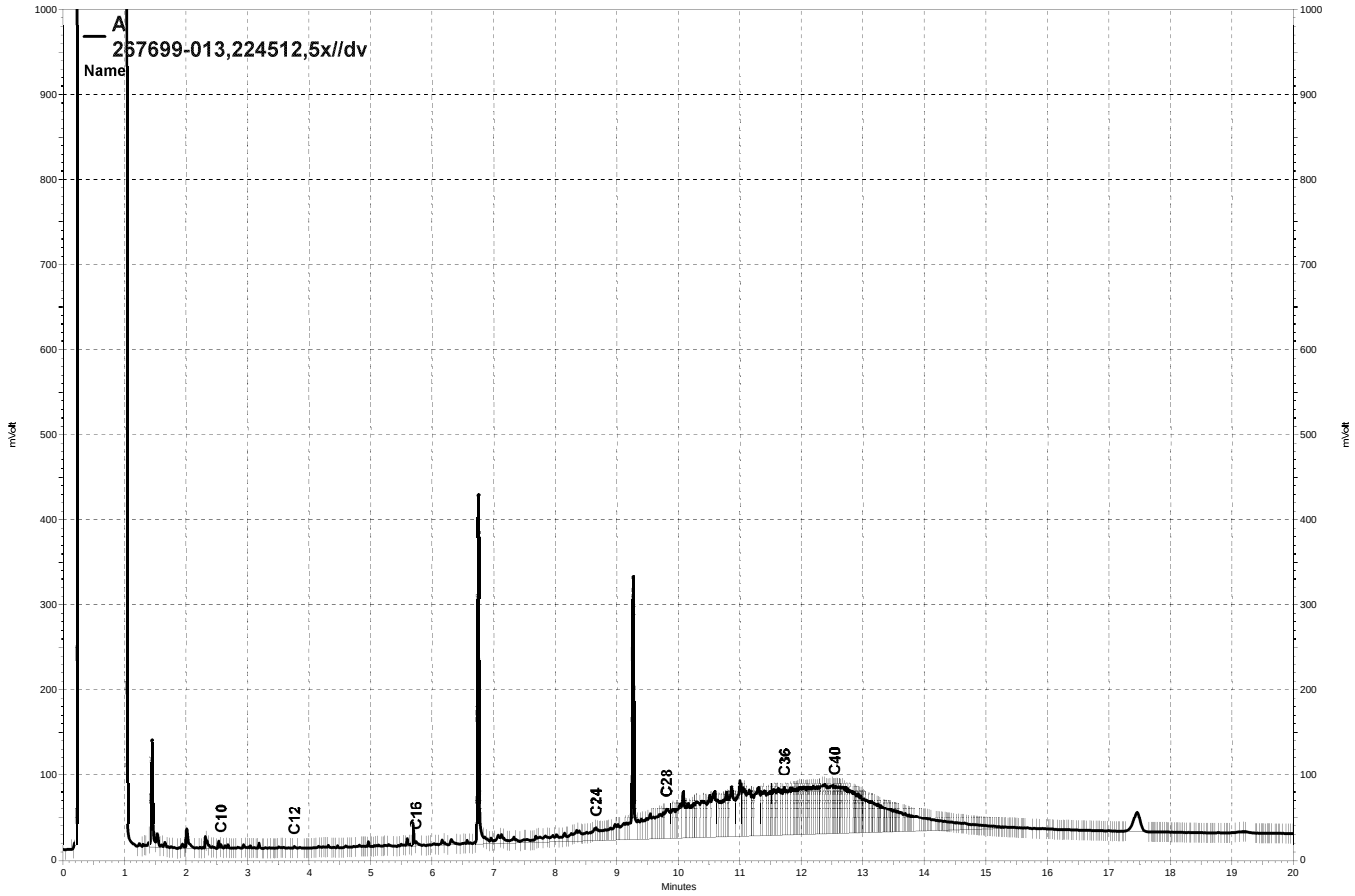


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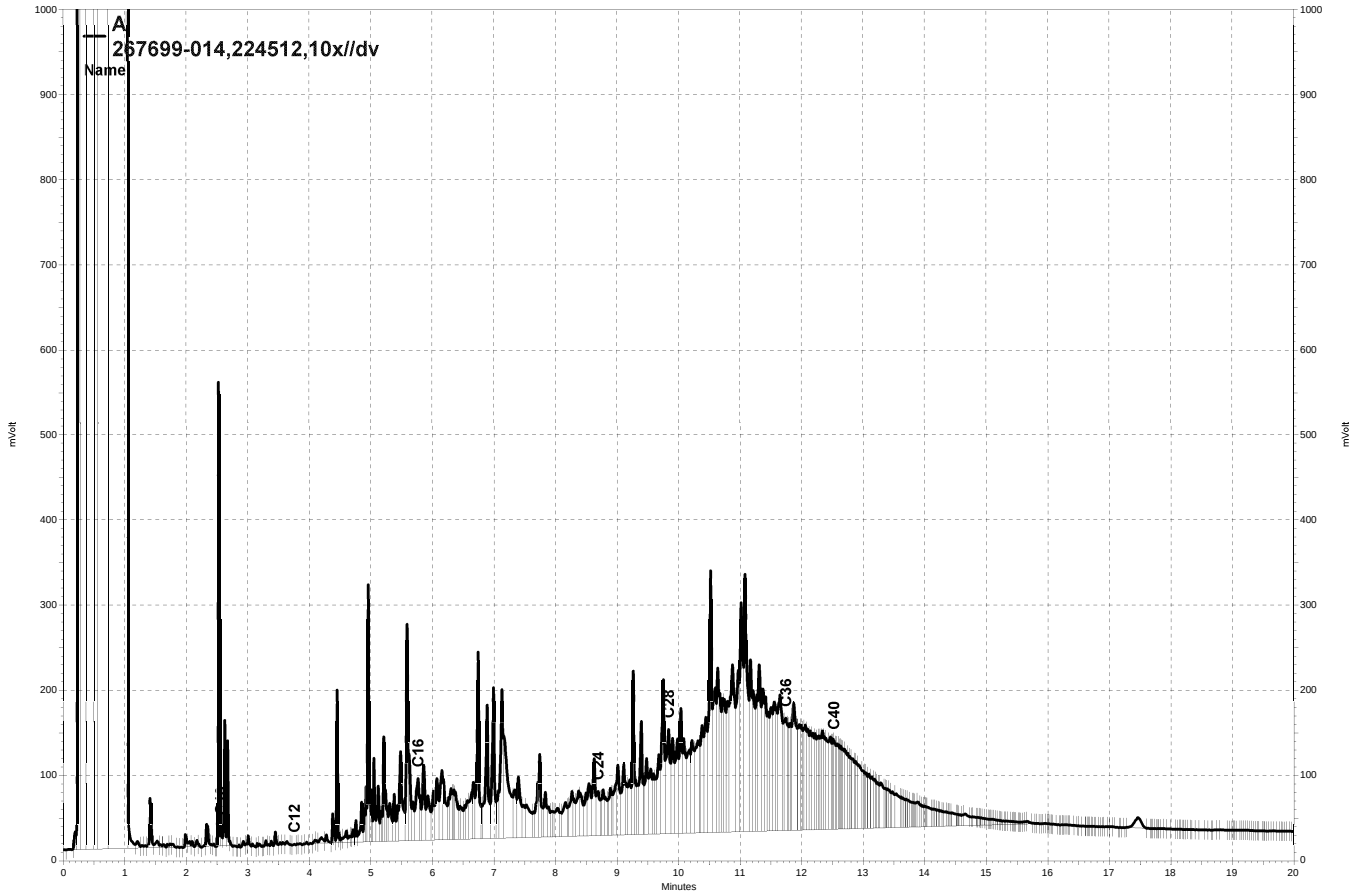


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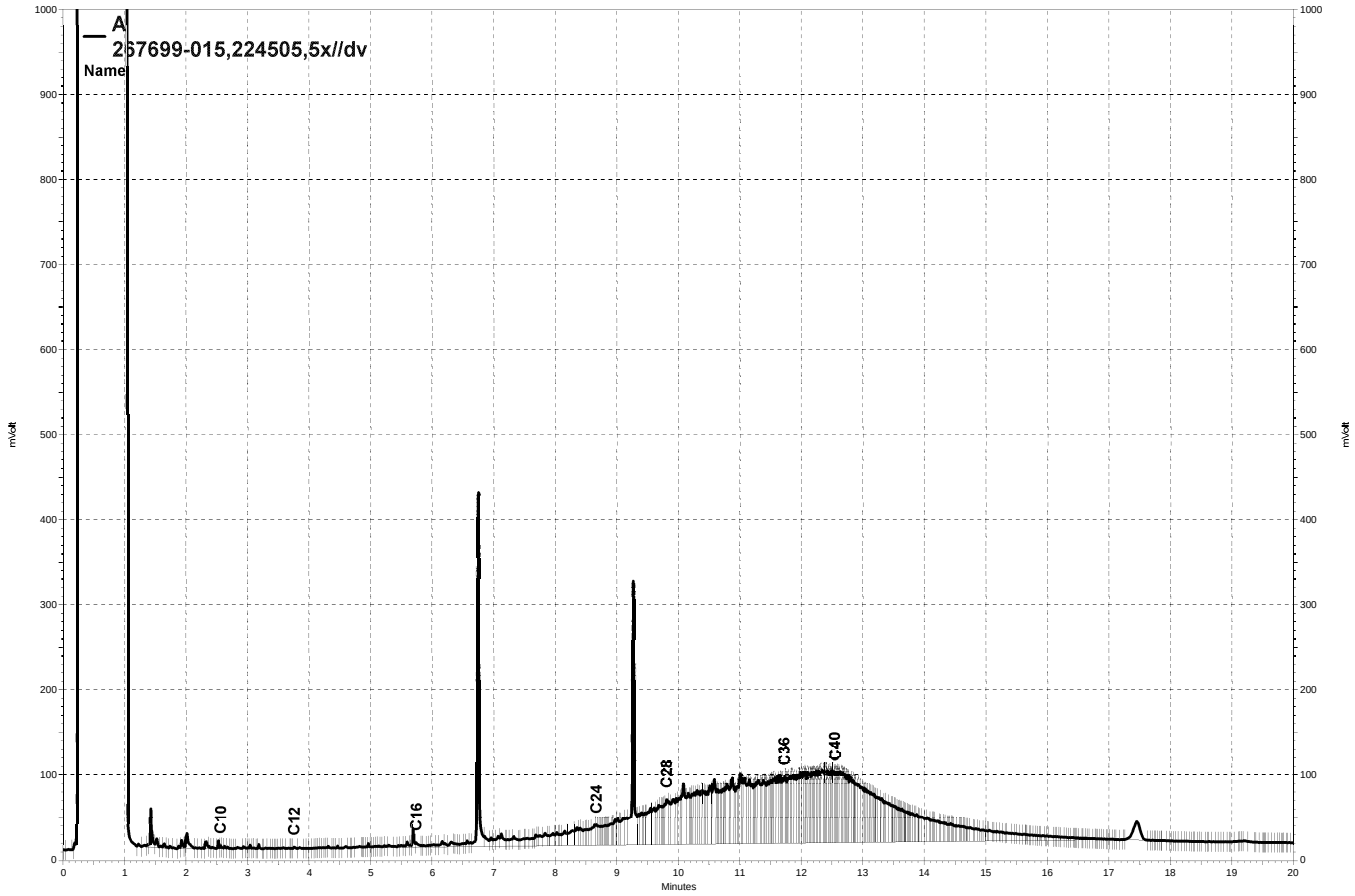


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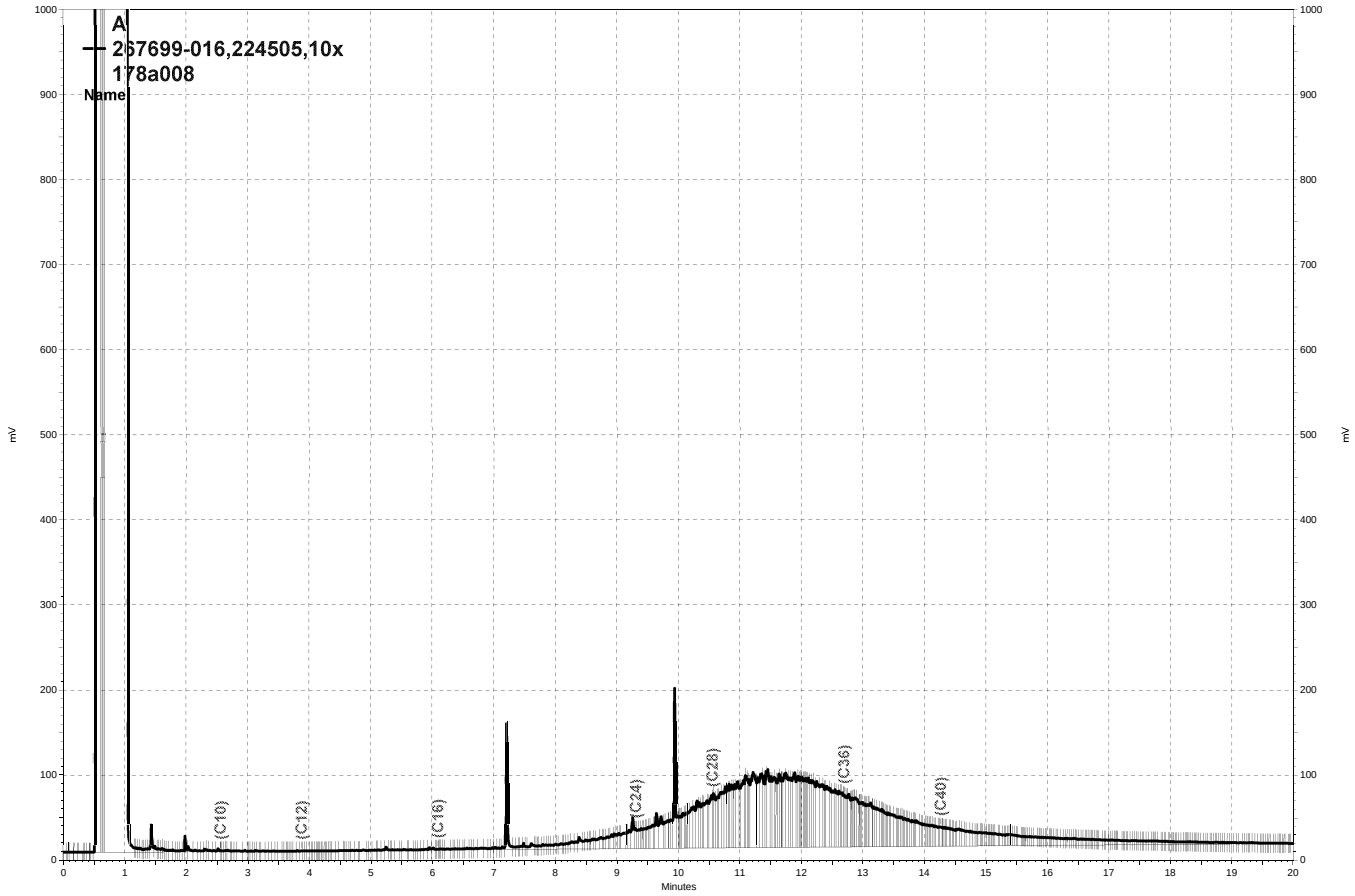


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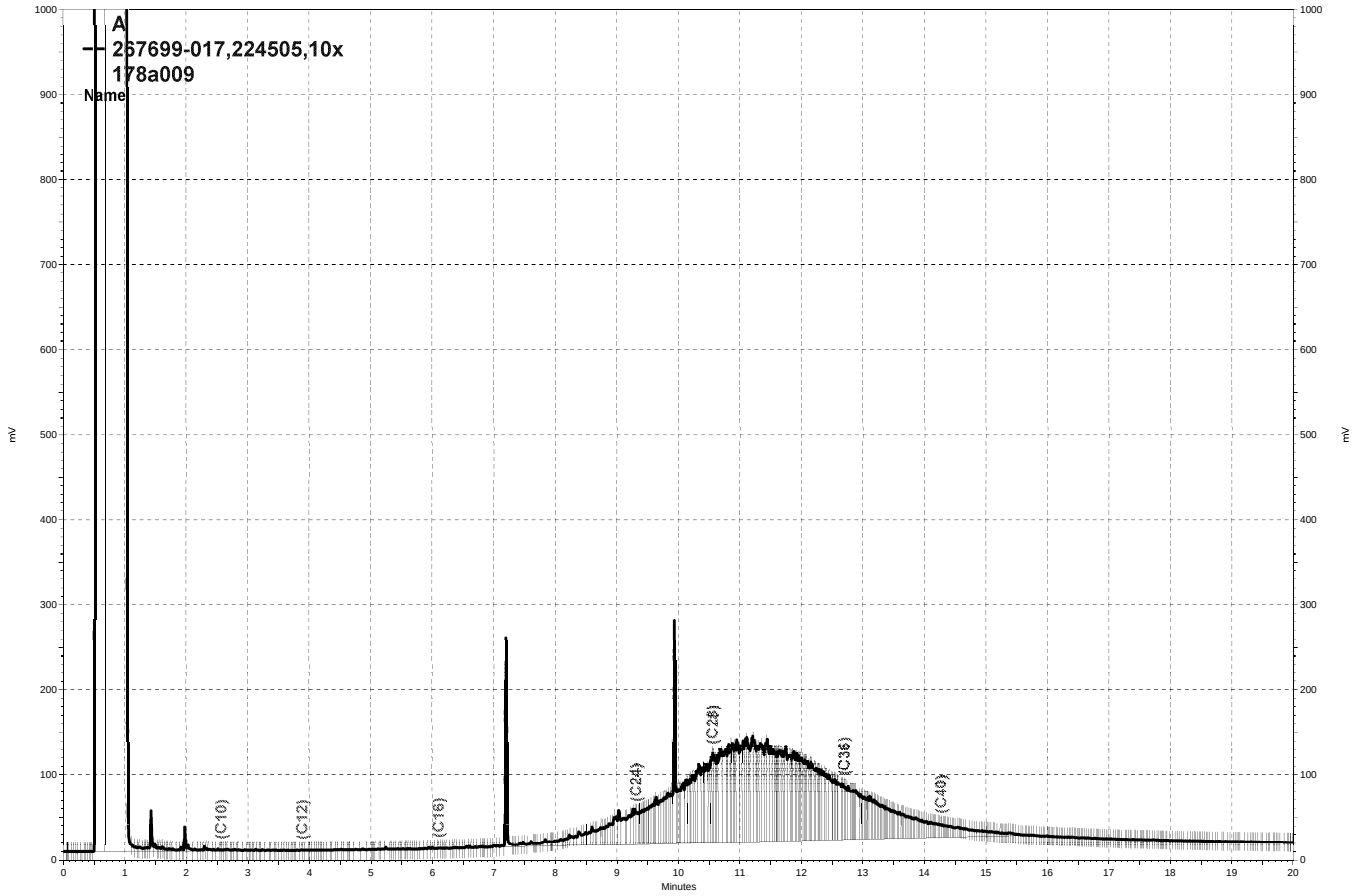


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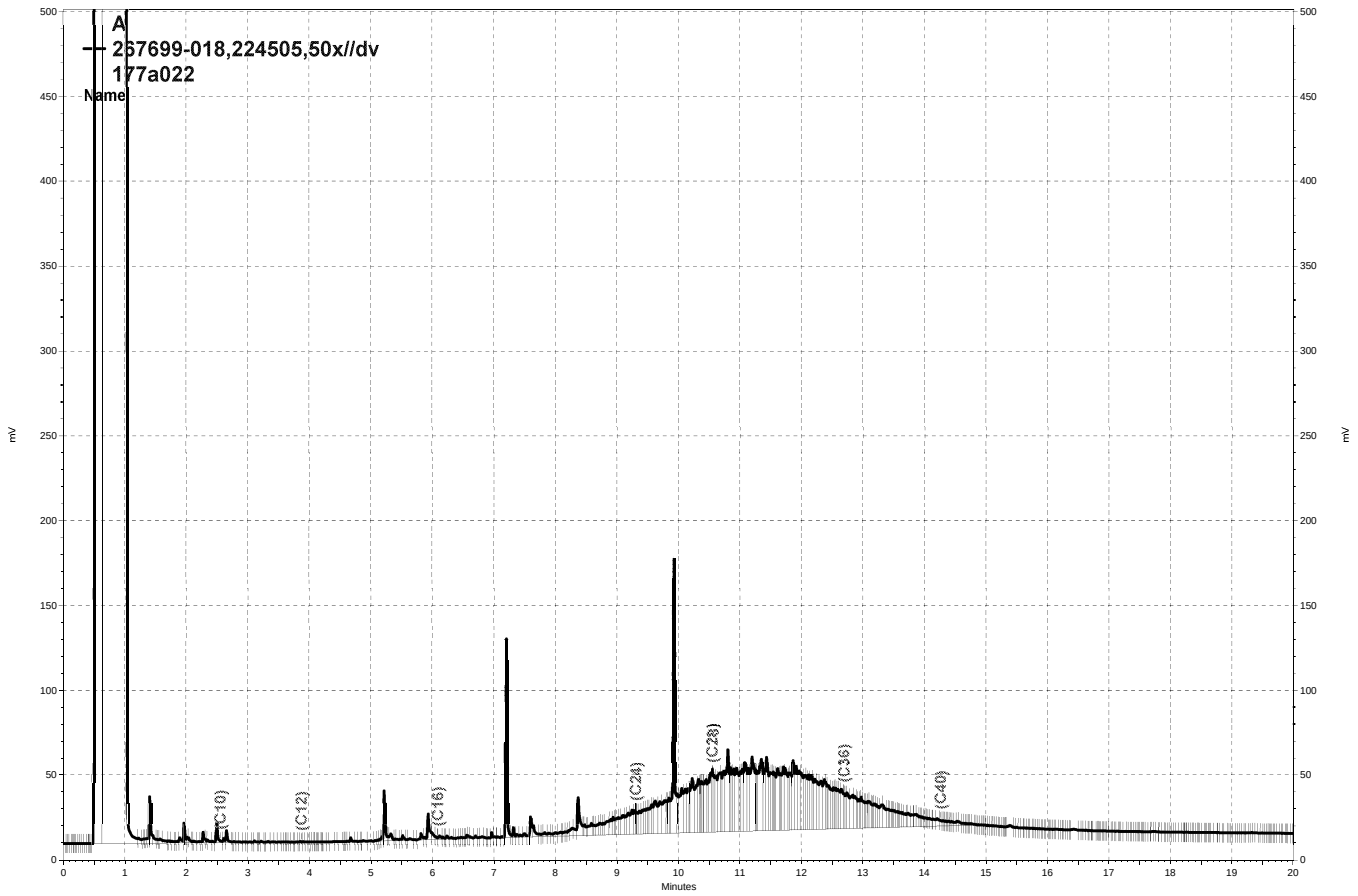


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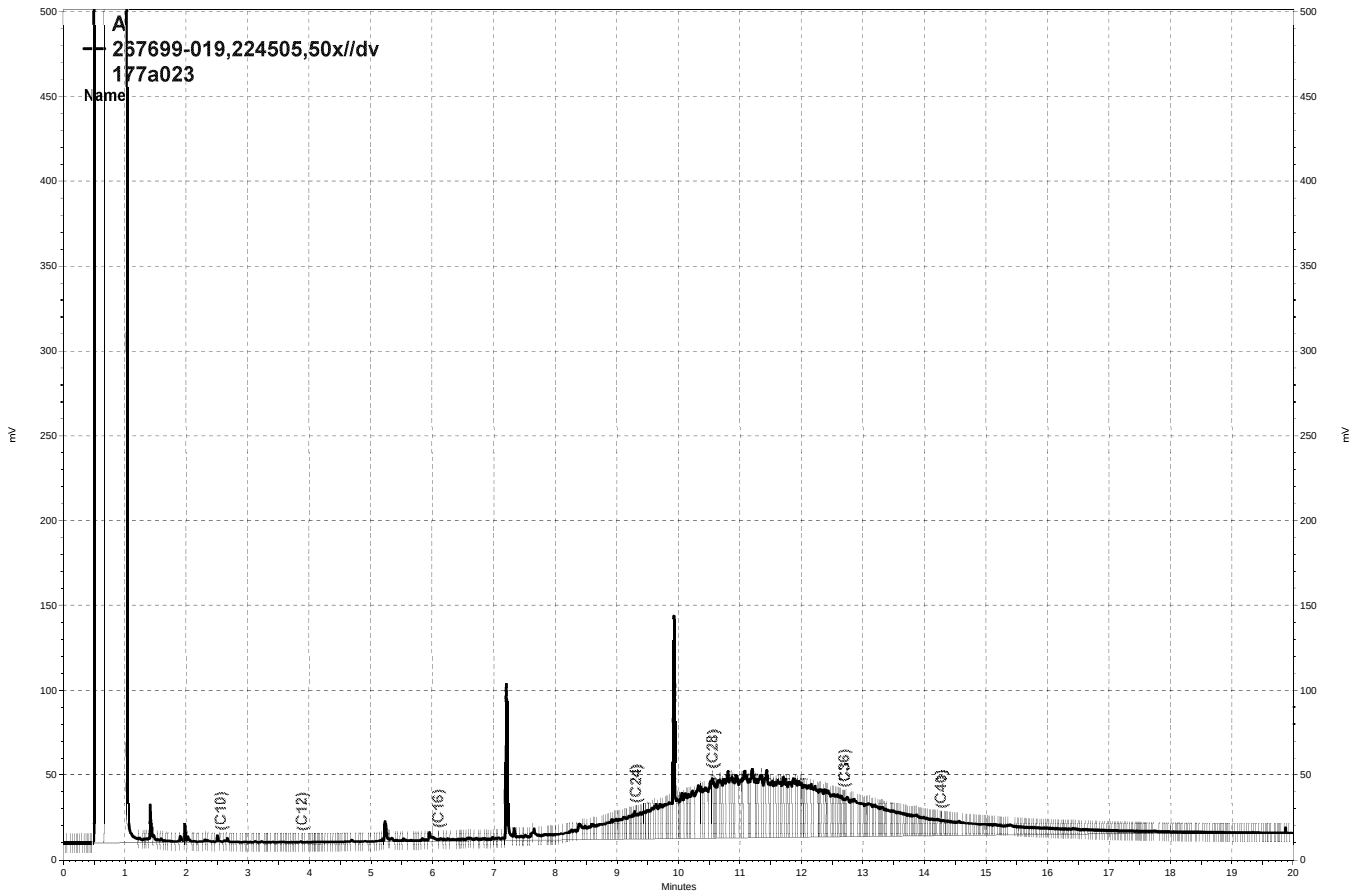


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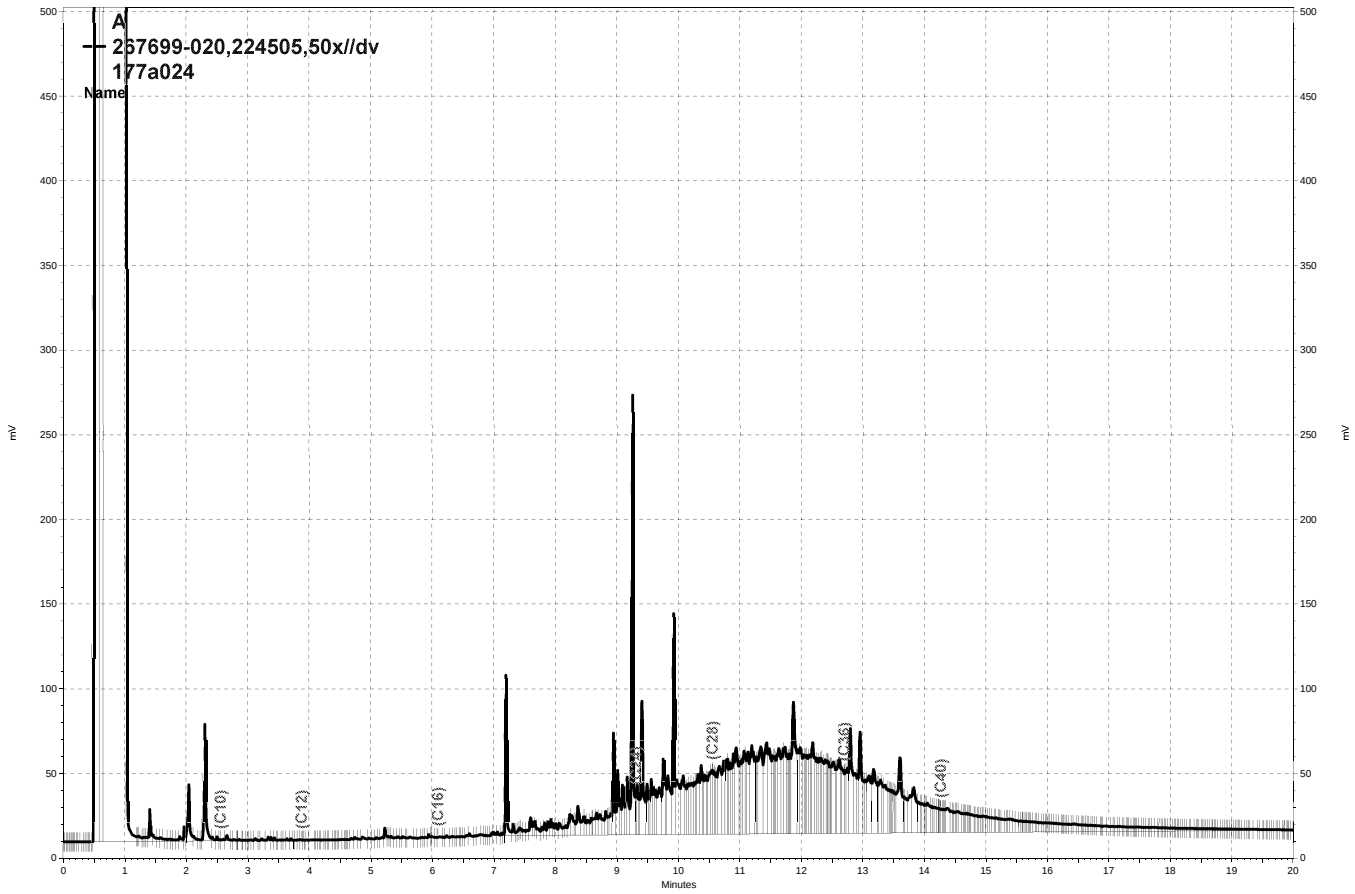


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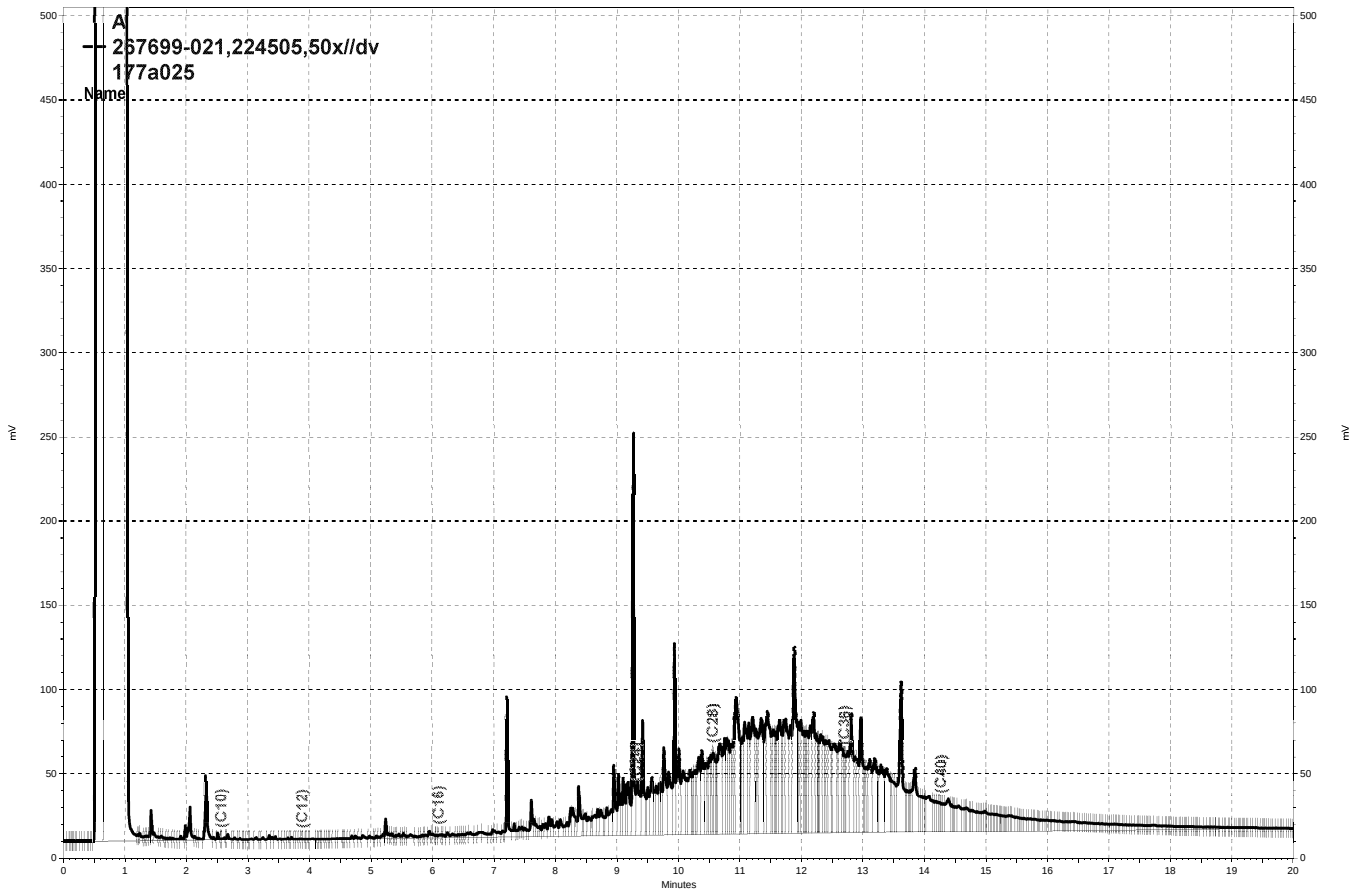


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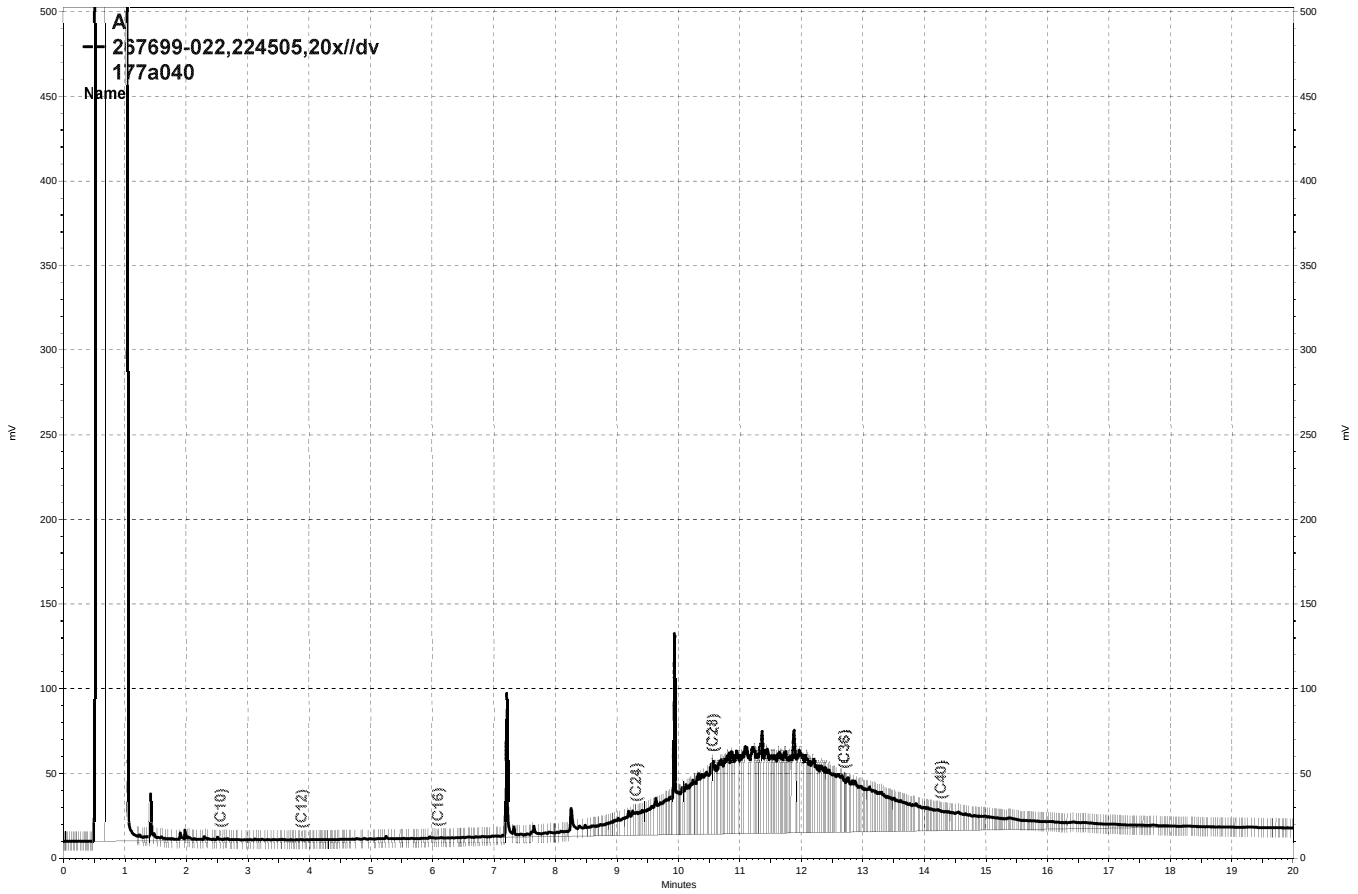


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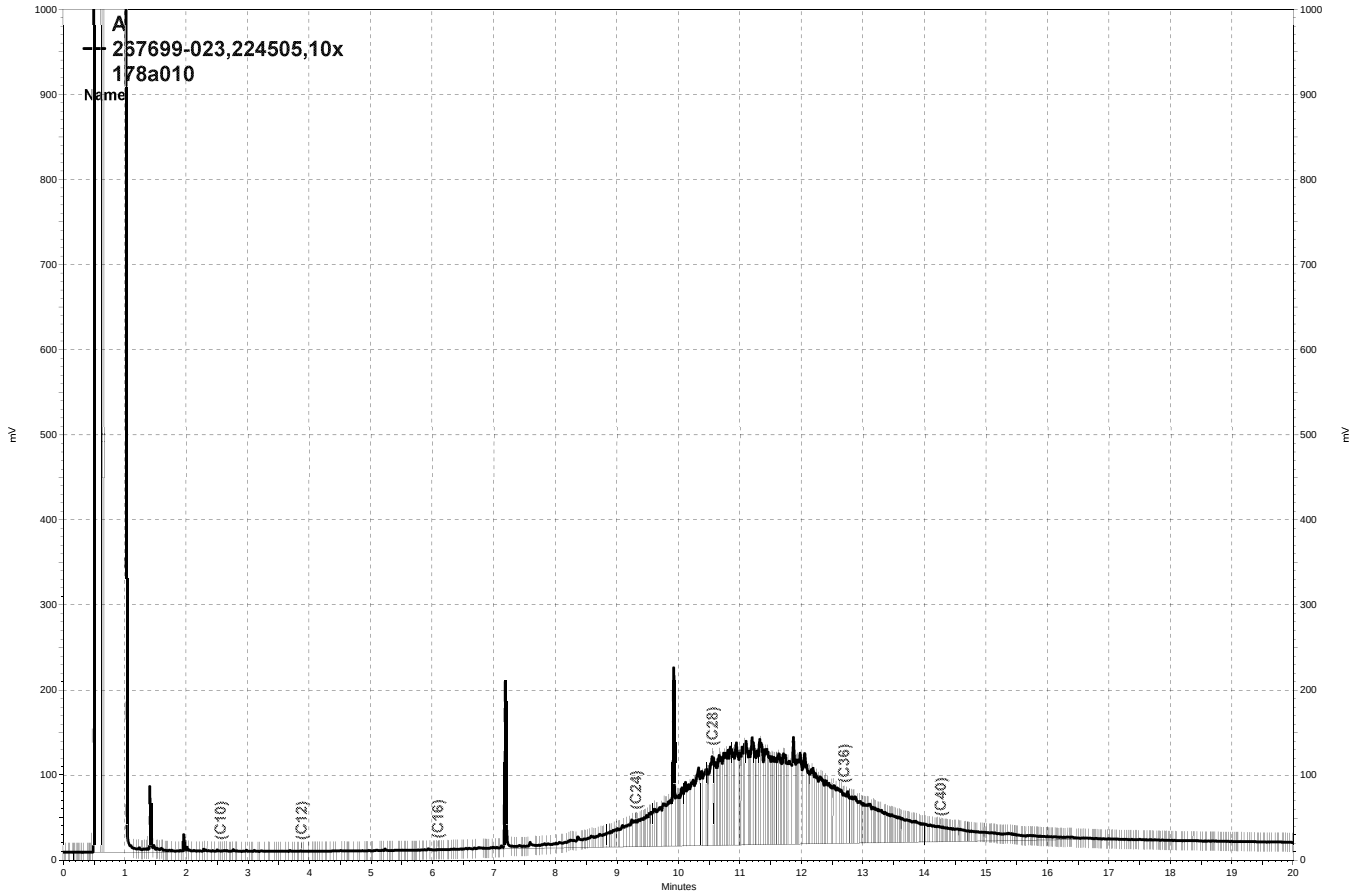


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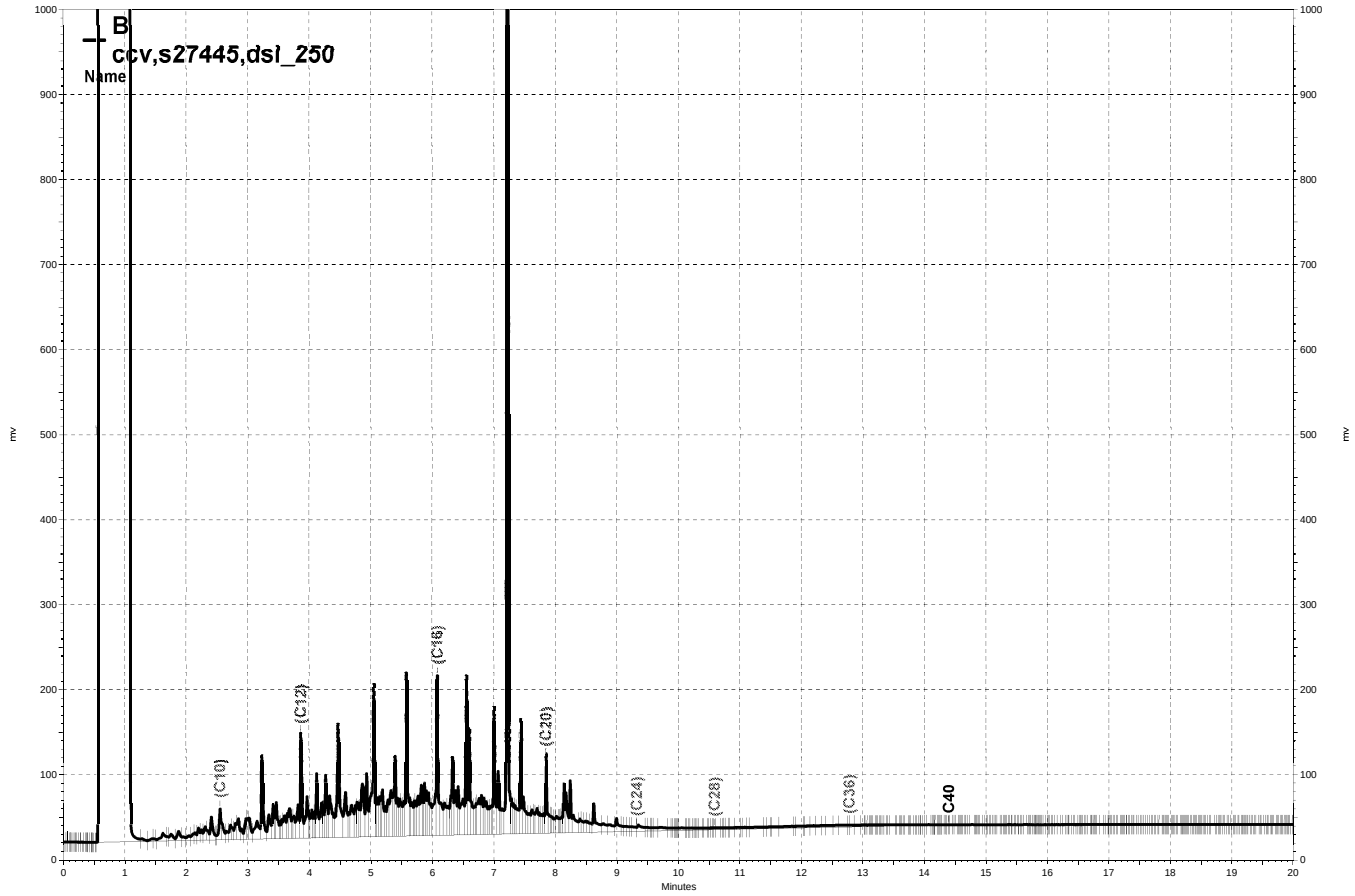


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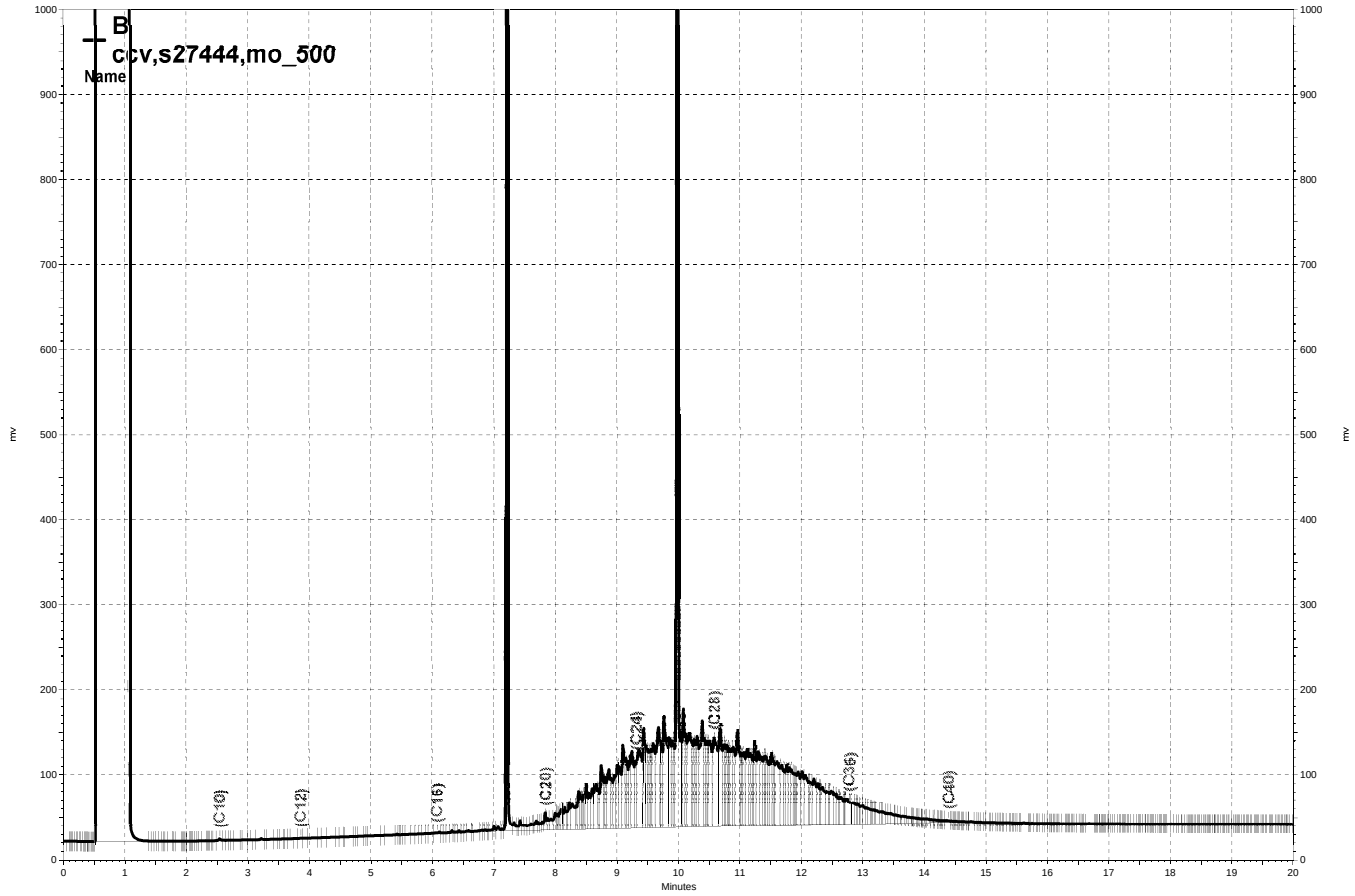


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Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-05-0-0.5 | Diln Fac: | 0.9940 |
| Lab ID: | 267699-024 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-05-0-0.5 | Diln Fac: | 0.9940 |
| Lab ID: | 267699-024 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 105 | 78-134 |
| 1,2-Dichloroethane-d4 | 119 | 80-138 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 109 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-05-1.5-2 | Diln Fac: | 0.9921 |
| Lab ID: | 267699-025 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-05-1.5-2 | Diln Fac: | 0.9921 |
| Lab ID: | 267699-025 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 107 | 78-134 |
| 1,2-Dichloroethane-d4 | 120 | 80-138 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 116 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-06-0-0.5 | Diln Fac: | 0.9901 |
| Lab ID: | 267699-026 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-06-0-0.5 | Diln Fac: | 0.9901 |
| Lab ID: | 267699-026 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 108 | 78-134 |
| 1,2-Dichloroethane-d4 | 119 | 80-138 |
| Toluene-d8 | 104 | 80-120 |
| Bromofluorobenzene | 111 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-06-1.5-2 | Diln Fac: | 0.9960 |
| Lab ID: | 267699-027 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-06-1.5-2 | Diln Fac: | 0.9960 |
| Lab ID: | 267699-027 | Batch#: | 224778 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | ug/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 07/06/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 110 | 78-134 |
| 1,2-Dichloroethane-d4 | 116 | 80-138 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 111 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Matrix: | Soil | Batch#: | 224778 |
| Units: | ug/Kg | Analyzed: | 07/06/15 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC794360

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 29.32 | 117 | 70-134 |
| Benzene | 25.00 | 27.94 | 112 | 80-123 |
| Trichloroethene | 25.00 | 26.42 | 106 | 80-128 |
| Toluene | 25.00 | 26.39 | 106 | 80-120 |
| Chlorobenzene | 25.00 | 26.09 | 104 | 80-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 107 | 78-134 |
| 1,2-Dichloroethane-d4 | 107 | 80-138 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 101 | 78-123 |

Type: BSD Lab ID: QC794361

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 28.00 | 112 | 70-134 | 5 | 22 |
| Benzene | 25.00 | 27.43 | 110 | 80-123 | 2 | 21 |
| Trichloroethene | 25.00 | 26.21 | 105 | 80-128 | 1 | 23 |
| Toluene | 25.00 | 26.11 | 104 | 80-120 | 1 | 20 |
| Chlorobenzene | 25.00 | 25.37 | 101 | 80-123 | 3 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 107 | 78-134 |
| 1,2-Dichloroethane-d4 | 105 | 80-138 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 102 | 78-123 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794362 | Batch#: | 224778 |
| Matrix: | Soil | Analyzed: | 07/06/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794362 | Batch#: | 224778 |
| Matrix: | Soil | Analyzed: | 07/06/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 98 | 78-134 |
| 1,2-Dichloroethane-d4 | 107 | 80-138 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 113 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-012-0-0.5 | Basis: | as received |
| Lab ID: | 267699-001 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.47 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 3.9 | 0.23 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 120 | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.47 | 0.093 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 26 | 0.23 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 7.0 | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 33 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 26 | 0.23 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.21 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | 0.68 | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 28 | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.47 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.47 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 37 | 0.23 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 160 | 0.93 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-012-1.5-2 | Basis: | as received |
| Lab ID: | 267699-002 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.54 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 3.8 | 0.27 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 73 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.54 | 0.11 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 24 | 0.27 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 6.7 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 18 | 0.28 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 12 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.016 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 21 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.54 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.54 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 35 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 61 | 1.1 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-013-0-0.5 | Basis: | as received |
| Lab ID: | 267699-003 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.49 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.3 | 0.24 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 150 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.64 | 0.097 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 20 | 0.24 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.0 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 18 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 24 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.016 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 23 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.49 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.49 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 30 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 110 | 0.97 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-013-1.5-2 | Basis: | as received |
| Lab ID: | 267699-004 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.51 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.7 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 150 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.62 | 0.10 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 20 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.7 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 21 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 22 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.015 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 23 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.51 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.51 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 28 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 140 | 1.0 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-05-0-0.5 | Basis: | as received |
| Lab ID: | 267699-005 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.53 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.8 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 210 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.73 | 0.11 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 22 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.6 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 24 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 65 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.23 | 0.018 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 31 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.53 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.53 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 36 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 100 | 1.1 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-05-1.5-2 | Basis: | as received |
| Lab ID: | 267699-006 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.49 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 7.9 | 0.25 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 190 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.74 | 0.098 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 23 | 0.25 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.7 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 25 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 61 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.12 | 0.016 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 29 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.49 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.49 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 36 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 99 | 0.98 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-06-0-0.5 | Basis: | as received |
| Lab ID: | 267699-007 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.52 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 9.3 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 220 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.71 | 0.10 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 21 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 11 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 25 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 67 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.31 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 32 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.52 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.52 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 37 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 110 | 1.0 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-06-1.5-2 | Basis: | as received |
| Lab ID: | 267699-008 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.53 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 7.7 | 0.27 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.77 | 0.11 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 22 | 0.27 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.7 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 25 | 0.28 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 47 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.12 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 29 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.53 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.53 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 35 | 0.27 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 91 | 1.1 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-04-0-0.5 | Basis: | as received |
| Lab ID: | 267699-009 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.50 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 6.6 | 0.25 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.43 | 0.099 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.28 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 49 | 0.25 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 12 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 46 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 95 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 62 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 69 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 130 | 0.99 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-04-1.5-2 | Basis: | as received |
| Lab ID: | 267699-010 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.47 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.1 | 0.24 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.44 | 0.094 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.25 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 55 | 0.24 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 13 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 45 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 84 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.095 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 64 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.47 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.47 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 71 | 0.24 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 120 | 0.94 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | DUP-062214-1 | Basis: | as received |
| Lab ID: | 267699-011 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/22/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.51 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 6.8 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.40 | 0.10 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 50 | 0.26 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 12 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 42 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 110 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.10 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 58 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.51 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.51 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 66 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 110 | 1.0 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
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Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-01-0-0.5 | Basis: | as received |
| Lab ID: | 267699-012 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.95 | 0.50 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.2 | 0.25 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 160 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.37 | 0.10 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.50 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Chromium | 63 | 0.25 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 9.5 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Copper | 44 | 0.26 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Lead | 92 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.22 | 0.018 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | 1.6 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Nickel | 63 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 224544 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 27 | 0.25 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |
| Zinc | 210 | 1.0 | 224544 | 06/26/15 | 06/28/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
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Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-01-1.5-2 | Basis: | as received |
| Lab ID: | 267699-013 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.84 | 0.55 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.2 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 130 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.70 | 0.11 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 120 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 19 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 41 | 0.28 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 77 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.15 | 0.016 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 150 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.55 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.55 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 42 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 110 | 1.1 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
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Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-02-0-0.5 | Basis: | as received |
| Lab ID: | 267699-014 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 1.0 | 0.52 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.0 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 150 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.37 | 0.10 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.47 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 56 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 9.5 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 50 | 0.27 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 89 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.17 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | 1.5 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 64 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.52 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.52 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 27 | 0.26 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 230 | 1.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-02-1.5-2 | Basis: | as received |
| Lab ID: | 267699-015 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.70 | 0.48 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 7.1 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 120 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.62 | 0.096 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 120 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 16 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 34 | 0.25 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 90 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.15 | 0.017 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 150 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.48 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.48 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 39 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 100 | 0.96 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
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Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-03-0-0.5 | Basis: | as received |
| Lab ID: | 267699-016 | Sampled: | 06/23/15 |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | | |

| Analyte | Result | RL | Diln Fac | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|---|
| Antimony | 0.81 | 0.49 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 3.7 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.38 | 0.098 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.39 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Chromium | 36 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 6.6 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Copper | 400 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 100 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 1.1 | 0.079 | 5.000 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | 1.2 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Nickel | 35 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.49 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.49 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Vanadium | 32 | 0.25 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Zinc | 210 | 0.98 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-03-1.5-2 | Basis: | as received |
| Lab ID: | 267699-017 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.95 | 0.50 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 6.2 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 120 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.44 | 0.10 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 1.1 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 43 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.1 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 44 | 0.26 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 180 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.38 | 0.018 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | 0.62 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 44 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 35 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 160 | 1.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-04-0-0.5 | Basis: | as received |
| Lab ID: | 267699-018 | Sampled: | 06/23/15 |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | | |

| Analyte | Result | RL | Diln Fac | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 0.52 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.4 | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 110 | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.54 | 0.10 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 110 | 26 | 100.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 11 | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 21 | 0.27 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 1,800 | 26 | 100.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.088 | 0.017 | 1.000 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 100 | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.52 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.52 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 35 | 0.26 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 490 | 1.0 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-04-1.5-2 | Basis: | as received |
| Lab ID: | 267699-019 | Sampled: | 06/23/15 |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | | |

| Analyte | Result | RL | Diln Fac | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|---|
| Antimony | 0.56 | 0.47 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.6 | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 130 | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.51 | 0.094 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 95 | 24 | 100.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 12 | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 22 | 0.24 | 1.000 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 1,400 | 24 | 100.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.071 | 0.018 | 1.000 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 97 | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.47 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.47 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 35 | 0.24 | 1.000 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 750 | 94 | 100.0 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-06-0-0.5 | Basis: | as received |
| Lab ID: | 267699-020 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.57 | 0.50 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 2.7 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 75 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.50 | 0.099 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 1.1 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 31 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 6.7 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 13 | 0.26 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 280 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.12 | 0.016 | 224493 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 34 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 27 | 0.25 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 85 | 0.99 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-06-1.5-2 | Basis: | as received |
| Lab ID: | 267699-021 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.62 | 0.49 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 2.7 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 70 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.42 | 0.097 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 1.6 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 23 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 7.1 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 12 | 0.25 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 130 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.016 | 224494 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 26 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.49 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.49 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 26 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 79 | 0.97 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-05-0-0.5 | Basis: | as received |
| Lab ID: | 267699-022 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.67 | 0.49 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 6.9 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 130 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.55 | 0.097 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 36 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 9.5 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 25 | 0.25 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 190 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.32 | 0.017 | 224494 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 40 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.49 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.49 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 27 | 0.24 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 110 | 0.97 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSM-15-05-1.5-2 | Basis: | as received |
| Lab ID: | 267699-023 | Diln Fac: | 1.000 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |

| Analyte | Result | RL | Batch# | Prepared | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 0.65 | 0.53 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 7.7 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 110 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.59 | 0.11 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 39 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 9.9 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 18 | 0.28 | 224546 | 06/26/15 | 06/30/15 | EPA 3050B | EPA 6010B |
| Lead | 170 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.28 | 0.015 | 224494 | 06/25/15 | 06/26/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 40 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.53 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.53 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 29 | 0.27 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 110 | 1.1 | 224546 | 06/26/15 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Type: | BLANK | Batch#: | 224493 |
| Lab ID: | QC793267 | Prepared: | 06/25/15 |
| Matrix: | Soil | Analyzed: | 06/26/15 |
| Units: | mg/Kg | | |

| Result | RL |
|---|---|
| ND | 0.017 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Batch#: | 224493 |
| Matrix: | Soil | Prepared: | 06/25/15 |
| Units: | mg/Kg | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Type | Lab ID | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|
| BS | QC793268 | 0.2083 | 0.2058 | 99 | 80-120 | | |
| BSD | QC793269 | 0.2083 | 0.1997 | 96 | 80-120 | 3 | 20 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Field ID: | SSCC-15-012-0-0.5 | Batch#: | 224493 |
| MSS Lab ID: | 267699-001 | Sampled: | 06/22/15 |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | Analyzed: | 06/29/15 |

| Type | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|---|
| MS | QC793270 | 0.2147 | 0.2155 | 0.7404 | 244 * | 69-142 | | |
| MSD | QC793271 | | 0.1984 | 0.09739 | -59 * | 69-142 | 152 * | 36 |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference



45.0

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Type: | BLANK | Batch#: | 224494 |
| Lab ID: | QC793272 | Prepared: | 06/25/15 |
| Matrix: | Soil | Analyzed: | 06/26/15 |
| Units: | mg/Kg | | |

| Result | RL |
|---|---|
| ND | 0.017 |

ND= Not Detected
RL= Reporting Limit



35.0

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Batch#: | 224494 |
| Matrix: | Soil | Prepared: | 06/25/15 |
| Units: | mg/Kg | Analyzed: | 06/26/15 |
| Diln Fac: | 1.000 | | |

| Type | Lab ID | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|
| BS | QC793273 | 0.2083 | 0.2006 | 96 | 80-120 | | |
| BSD | QC793274 | 0.2083 | 0.2058 | 99 | 80-120 | 3 | 20 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Field ID: | SSM-15-06-1.5-2 | Batch#: | 224494 |
| MSS Lab ID: | 267699-021 | Sampled: | 06/23/15 |
| Matrix: | Soil | Received: | 06/23/15 |
| Units: | mg/Kg | Prepared: | 06/25/15 |
| Basis: | as received | Analyzed: | 06/26/15 |

| Type | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|---|
| MS | QC793275 | 0.1051 | 0.2016 | 0.3331 | 113 | 69-142 | | |
| MSD | QC793276 | | 0.2049 | 0.3291 | 109 | 69-142 | 2 | 36 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC793474 | Batch#: | 224544 |
| Matrix: | Soil | Prepared: | 06/26/15 |
| Units: | mg/Kg | Analyzed: | 06/29/15 |

| Analyte | Result | RL |
|---|---|---|
| Antimony | ND | 0.50 |
| Arsenic | ND | 0.25 |
| Barium | ND | 0.25 |
| Beryllium | ND | 0.10 |
| Cadmium | ND | 0.25 |
| Chromium | ND | 0.25 |
| Cobalt | ND | 0.25 |
| Copper | ND | 0.25 |
| Lead | ND | 0.25 |
| Molybdenum | ND | 0.25 |
| Nickel | ND | 0.25 |
| Selenium | ND | 0.50 |
| Silver | ND | 0.25 |
| Thallium | ND | 0.50 |
| Vanadium | ND | 0.25 |
| Zinc | ND | 1.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Matrix: | Soil | Batch#: | 224544 |
| Units: | mg/Kg | Prepared: | 06/26/15 |
| Diln Fac: | 5.000 | Analyzed: | 06/29/15 |

Type: BS Lab ID: QC793475

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Antimony | 50.00 | 50.34 | 101 | 80-120 |
| Arsenic | 50.00 | 50.14 | 100 | 80-120 |
| Barium | 50.00 | 51.24 | 102 | 80-120 |
| Beryllium | 50.00 | 49.88 | 100 | 80-120 |
| Cadmium | 50.00 | 51.60 | 103 | 80-120 |
| Chromium | 50.00 | 50.27 | 101 | 80-120 |
| Cobalt | 50.00 | 48.03 | 96 | 80-120 |
| Copper | 50.00 | 50.09 | 100 | 80-120 |
| Lead | 50.00 | 48.48 | 97 | 80-120 |
| Molybdenum | 50.00 | 50.26 | 101 | 80-120 |
| Nickel | 50.00 | 48.85 | 98 | 80-120 |
| Selenium | 50.00 | 49.46 | 99 | 80-120 |
| Silver | 50.00 | 50.69 | 101 | 80-120 |
| Thallium | 50.00 | 49.36 | 99 | 80-120 |
| Vanadium | 50.00 | 52.15 | 104 | 80-120 |
| Zinc | 50.00 | 50.00 | 100 | 80-120 |

Type: BSD Lab ID: QC793476

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Antimony | 50.00 | 48.35 | 97 | 80-120 | 4 | 20 |
| Arsenic | 50.00 | 48.16 | 96 | 80-120 | 4 | 20 |
| Barium | 50.00 | 47.95 | 96 | 80-120 | 7 | 20 |
| Beryllium | 50.00 | 47.99 | 96 | 80-120 | 4 | 20 |
| Cadmium | 50.00 | 48.46 | 97 | 80-120 | 6 | 20 |
| Chromium | 50.00 | 47.24 | 94 | 80-120 | 6 | 20 |
| Cobalt | 50.00 | 46.42 | 93 | 80-120 | 3 | 20 |
| Copper | 50.00 | 47.22 | 94 | 80-120 | 6 | 20 |
| Lead | 50.00 | 46.69 | 93 | 80-120 | 4 | 20 |
| Molybdenum | 50.00 | 48.48 | 97 | 80-120 | 4 | 20 |
| Nickel | 50.00 | 45.90 | 92 | 80-120 | 6 | 20 |
| Selenium | 50.00 | 47.19 | 94 | 80-120 | 5 | 20 |
| Silver | 50.00 | 47.38 | 95 | 80-120 | 7 | 20 |
| Thallium | 50.00 | 48.05 | 96 | 80-120 | 3 | 20 |
| Vanadium | 50.00 | 48.75 | 97 | 80-120 | 7 | 20 |
| Zinc | 50.00 | 48.33 | 97 | 80-120 | 3 | 20 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 224544 |
| MSS Lab ID: | 267584-001 | Sampled: | 06/17/15 |
| Matrix: | Soil | Received: | 06/18/15 |
| Units: | mg/Kg | Prepared: | 06/26/15 |
| Basis: | as received | Analyzed: | 06/29/15 |
| Diln Fac: | 5.000 | | |

Type: MS Lab ID: QC793477

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Antimony | 6.743 | 47.17 | 28.14 | 45 | 15-120 |
| Arsenic | 5.542 | 47.17 | 41.62 | 76 | 69-120 |
| Barium | 147.5 | 47.17 | 215.3 | 144 | 35-154 |
| Beryllium | 0.2692 | 47.17 | 38.26 | 81 | 75-120 |
| Cadmium | 7.644 | 47.17 | 44.75 | 79 | 71-120 |
| Chromium | 74.71 | 47.17 | 125.9 | 108 | 57-133 |
| Cobalt | 12.10 | 47.17 | 50.79 | 82 | 56-125 |
| Copper | 334.3 | 47.17 | 326.9 | -16 NM | 54-144 |
| Lead | 762.8 | 47.17 | 729.9 | -70 NM | 53-125 |
| Molybdenum | 3.846 | 47.17 | 39.35 | 75 | 66-120 |
| Nickel | 52.22 | 47.17 | 101.4 | 104 | 44-141 |
| Selenium | <0.1452 | 47.17 | 34.32 | 73 | 61-120 |
| Silver | 0.5239 | 47.17 | 38.18 | 80 | 69-120 |
| Thallium | <0.1277 | 47.17 | 35.20 | 75 | 59-120 |
| Vanadium | 44.34 | 47.17 | 91.09 | 99 | 52-144 |
| Zinc | 965.8 | 47.17 | 993.8 | 59 NM | 45-145 |

Type: MSD Lab ID: QC793478

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Antimony | 46.30 | 18.13 | 25 | 15-120 | 42 * | 41 |
| Arsenic | 46.30 | 44.79 | 85 | 69-120 | 9 | 35 |
| Barium | 46.30 | 263.4 | 250 * | 35-154 | 21 | 36 |
| Beryllium | 46.30 | 40.51 | 87 | 75-120 | 8 | 20 |
| Cadmium | 46.30 | 48.45 | 88 | 71-120 | 10 | 25 |
| Chromium | 46.30 | 129.4 | 118 | 57-133 | 3 | 33 |
| Cobalt | 46.30 | 50.42 | 83 | 56-125 | 1 | 36 |
| Copper | 46.30 | 386.5 | 113 NM | 54-144 | 17 | 38 |
| Lead | 46.30 | 838.4 | 163 NM | 53-125 | 14 | 42 |
| Molybdenum | 46.30 | 42.59 | 84 | 66-120 | 10 | 20 |
| Nickel | 46.30 | 91.56 | 85 | 44-141 | 9 | 39 |
| Selenium | 46.30 | 37.25 | 80 | 61-120 | 10 | 33 |
| Silver | 46.30 | 40.42 | 86 | 69-120 | 8 | 22 |
| Thallium | 46.30 | 37.40 | 81 | 59-120 | 8 | 27 |
| Vanadium | 46.30 | 87.42 | 93 | 52-144 | 3 | 29 |
| Zinc | 46.30 | 1,022 | 122 NM | 45-145 | 3 | 39 |

*= Value outside of QC limits; see narrative
NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC793484 | Batch#: | 224546 |
| Matrix: | Soil | Prepared: | 06/26/15 |
| Units: | mg/Kg | | |

| Analyte | Result | RL | Analyzed |
|---|---|---|---|
| Antimony | ND | 0.50 | 06/29/15 |
| Arsenic | ND | 0.25 | 06/29/15 |
| Barium | ND | 0.25 | 06/28/15 |
| Beryllium | ND | 0.10 | 06/28/15 |
| Cadmium | ND | 0.25 | 06/28/15 |
| Chromium | ND | 0.25 | 06/29/15 |
| Cobalt | ND | 0.25 | 06/28/15 |
| Copper | ND | 0.26 | 06/28/15 |
| Lead | ND | 0.25 | 06/28/15 |
| Molybdenum | ND | 0.25 | 06/28/15 |
| Nickel | ND | 0.25 | 06/28/15 |
| Selenium | ND | 0.50 | 06/29/15 |
| Silver | ND | 0.25 | 06/28/15 |
| Thallium | ND | 0.50 | 06/29/15 |
| Vanadium | ND | 0.25 | 06/28/15 |
| Zinc | ND | 1.0 | 06/28/15 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Matrix: | Soil | Batch#: | 224546 |
| Units: | mg/Kg | Prepared: | 06/26/15 |
| Diln Fac: | 5.000 | | |

Type: BS Lab ID: QC793485

| Analyte | Spiked | Result | %REC | Limits | Analyzed |
|---|---|---|---|---|---|
| Antimony | 50.00 | 48.00 | 96 | 80-120 | 06/29/15 |
| Arsenic | 50.00 | 48.57 | 97 | 80-120 | 06/29/15 |
| Barium | 50.00 | 43.38 | 87 | 80-120 | 06/28/15 |
| Beryllium | 50.00 | 45.67 | 91 | 80-120 | 06/28/15 |
| Cadmium | 50.00 | 46.45 | 93 | 80-120 | 06/28/15 |
| Chromium | 50.00 | 49.68 | 99 | 80-120 | 06/29/15 |
| Cobalt | 50.00 | 42.49 | 85 | 80-120 | 06/28/15 |
| Copper | 50.00 | 43.09 | 86 | 80-120 | 06/28/15 |
| Lead | 50.00 | 43.92 | 88 | 80-120 | 06/28/15 |
| Molybdenum | 50.00 | 45.72 | 91 | 80-120 | 06/28/15 |
| Nickel | 50.00 | 42.94 | 86 | 80-120 | 06/28/15 |
| Selenium | 50.00 | 48.58 | 97 | 80-120 | 06/29/15 |
| Silver | 50.00 | 43.16 | 86 | 80-120 | 06/28/15 |
| Thallium | 50.00 | 49.16 | 98 | 80-120 | 06/29/15 |
| Vanadium | 50.00 | 47.25 | 94 | 80-120 | 06/28/15 |
| Zinc | 50.00 | 46.03 | 92 | 80-120 | 06/28/15 |

Type: BSD Lab ID: QC793486

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | 50.00 | 48.87 | 98 | 80-120 | 2 | 20 | 06/29/15 |
| Arsenic | 50.00 | 49.49 | 99 | 80-120 | 2 | 20 | 06/29/15 |
| Barium | 50.00 | 43.14 | 86 | 80-120 | 1 | 20 | 06/28/15 |
| Beryllium | 50.00 | 45.15 | 90 | 80-120 | 1 | 20 | 06/28/15 |
| Cadmium | 50.00 | 45.01 | 90 | 80-120 | 3 | 20 | 06/28/15 |
| Chromium | 50.00 | 50.53 | 101 | 80-120 | 2 | 20 | 06/29/15 |
| Cobalt | 50.00 | 41.33 | 83 | 80-120 | 3 | 20 | 06/28/15 |
| Copper | 50.00 | 42.16 | 84 | 80-120 | 2 | 20 | 06/28/15 |
| Lead | 50.00 | 44.55 | 89 | 80-120 | 1 | 20 | 06/28/15 |
| Molybdenum | 50.00 | 44.54 | 89 | 80-120 | 3 | 20 | 06/28/15 |
| Nickel | 50.00 | 42.45 | 85 | 80-120 | 1 | 20 | 06/28/15 |
| Selenium | 50.00 | 49.36 | 99 | 80-120 | 2 | 20 | 06/29/15 |
| Silver | 50.00 | 41.72 | 83 | 80-120 | 3 | 20 | 06/28/15 |
| Thallium | 50.00 | 49.93 | 100 | 80-120 | 2 | 20 | 06/29/15 |
| Vanadium | 50.00 | 46.40 | 93 | 80-120 | 2 | 20 | 06/28/15 |
| Zinc | 50.00 | 49.88 | 100 | 80-120 | 8 | 20 | 06/28/15 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267699 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Field ID: | SSM-15-01-1.5-2 | Diln Fac: | 5.000 |
| MSS Lab ID: | 267699-013 | Batch#: | 224546 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | Prepared: | 06/26/15 |

Type: MS Lab ID: QC793487

| Analyte | MSS Result | Spiked | Result | %REC | Limits | Analyzed |
|---|---|---|---|---|---|---|
| Antimony | 0.8365 | 47.62 | 7.561 | 14 * | 15-120 | 06/29/15 |
| Arsenic | 8.178 | 47.62 | 45.50 | 78 | 69-120 | 06/29/15 |
| Barium | 128.7 | 47.62 | 175.9 | 99 | 35-154 | 06/29/15 |
| Beryllium | 0.7017 | 47.62 | 41.00 | 85 | 75-120 | 06/29/15 |
| Cadmium | 0.2661 | 47.62 | 39.87 | 83 | 71-120 | 06/29/15 |
| Chromium | 122.0 | 47.62 | 181.4 | 125 | 57-133 | 06/29/15 |
| Cobalt | 18.88 | 47.62 | 56.30 | 79 | 56-125 | 06/29/15 |
| Copper | 40.50 | 47.62 | 80.98 | 85 | 54-144 | 06/30/15 |
| Lead | 77.45 | 47.62 | 124.6 | 99 | 53-125 | 06/29/15 |
| Molybdenum | <0.06170 | 47.62 | 36.03 | 76 | 66-120 | 06/29/15 |
| Nickel | 151.3 | 47.62 | 185.0 | 71 | 44-141 | 06/29/15 |
| Selenium | <0.1607 | 47.62 | 34.41 | 72 | 61-120 | 06/29/15 |
| Silver | <0.08215 | 47.62 | 36.52 | 77 | 69-120 | 06/29/15 |
| Thallium | <0.1792 | 47.62 | 33.31 | 70 | 59-120 | 06/29/15 |
| Vanadium | 42.32 | 47.62 | 76.38 | 72 | 52-144 | 06/29/15 |
| Zinc | 114.3 | 47.62 | 150.1 | 75 | 45-145 | 06/29/15 |

Type: MSD Lab ID: QC793488

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | 51.55 | 8.637 | 15 | 15-120 | 6 | 41 | 06/29/15 |
| Arsenic | 51.55 | 45.74 | 73 | 69-120 | 6 | 35 | 06/29/15 |
| Barium | 51.55 | 164.0 | 69 | 35-154 | 9 | 36 | 06/29/15 |
| Beryllium | 51.55 | 43.28 | 83 | 75-120 | 2 | 20 | 06/29/15 |
| Cadmium | 51.55 | 42.43 | 82 | 71-120 | 2 | 25 | 06/29/15 |
| Chromium | 51.55 | 176.4 | 106 | 57-133 | 5 | 33 | 06/29/15 |
| Cobalt | 51.55 | 56.14 | 72 | 56-125 | 6 | 36 | 06/29/15 |
| Copper | 51.55 | 74.56 | 66 | 54-144 | 13 | 38 | 06/30/15 |
| Lead | 51.55 | 219.0 | 275 * | 53-125 | 52 * | 42 | 06/29/15 |
| Molybdenum | 51.55 | 37.49 | 73 | 66-120 | 4 | 20 | 06/29/15 |
| Nickel | 51.55 | 204.2 | 103 | 44-141 | 8 | 39 | 06/29/15 |
| Selenium | 51.55 | 35.74 | 69 | 61-120 | 4 | 33 | 06/29/15 |
| Silver | 51.55 | 38.54 | 75 | 69-120 | 3 | 22 | 06/29/15 |
| Thallium | 51.55 | 35.11 | 68 | 59-120 | 3 | 27 | 06/29/15 |
| Vanadium | 51.55 | 78.37 | 70 | 52-144 | 2 | 29 | 06/29/15 |
| Zinc | 51.55 | 141.8 | 53 | 45-145 | 8 | 39 | 06/29/15 |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 267770**
**ANALYTICAL REPORT**

| | |
|---|---|
| SLR International<br>110 11th Street<br>Oakland, CA 94607 | Project : STANDARD<br>Location : RSR<br>Level : II |

| Sample ID | Lab ID |
|---|---|
| SSCC-15-014-0-0.5 | 267770-001 |
| SSCC-15-014-1.5-2 | 267770-002 |
| SSCC-15-010-0-0.5 | 267770-003 |
| SSCC-15-010-1.5-2 | 267770-004 |
| SSCC-15-007-0-0.5 | 267770-005 |
| SSCC-15-007-1.5-2 | 267770-006 |
| SSCC-15-011-0-0.5 | 267770-007 |
| SSCC-15-011-1.5-2 | 267770-008 |
| SSCC-15-001-0-0.5 | 267770-009 |
| SSCC-15-001-1.5-2 | 267770-010 |
| SSCC-15-002-0-0.5 | 267770-011 |
| SSCC-15-002-1.5-2 | 267770-012 |
| SSCC-15-003-0-0.5 | 267770-013 |
| SSCC-15-003-1.5-2 | 267770-014 |
| SSCC-15-007-0-0.5 | 267770-015 |
| SSCC-15-007-1.5-2 | 267770-016 |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Mikelle Chong  Date: 07/13/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

# CASE NARRATIVE

| | |
|---|---|
| Laboratory number: | **267770** |
| Client: | **SLR International** |
| Location: | **RSR** |
| Request Date: | **06/25/15, 07/06/15** |
| Samples Received: | **06/25/15** |

This data package contains sample and QC results for fourteen soil samples, requested for the above referenced project on 06/25/15 and 07/06/15. The samples were received on ice and intact. The report was revised and reissued on 07/13/15 to include VOCs.

**TPH-Purgeables and/or BTXE by GC (EPA 8015B):**
No analytical problems were encountered.

**TPH-Extractables by GC (EPA 8015B):**
Matrix spikes QC793510,QC793511 (batch 224554) were not reported because the parent sample required a dilution that would have diluted out the spikes. Many samples were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

**Volatile Organics by GC/MS (EPA 8260B):**
No analytical problems were encountered.

**Metals (EPA 6010B and EPA 7471A):**
No analytical problems were encountered.

267770

On 7/6/2015 1:23 PM, Mark Trevor wrote:

Yes please. STAT (5-day). We'll give you the SLTC/TCLP order in a few days. Still looking at the data.

Thanks!

On 7/6/2015 11:46 AM, Mark Trevor wrote:

Hi Mikelle,

Can we please run VOC's on the samples listed below? Is that an option? We may still need to run STLC/TCLP on some of this soil as well. Please advise.

Thanks,
Mark

| | Client ID | Lab ID | Sampled | Received | DueDate | Matrix | Dry | Analyses | C |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 07/02 | Soil | | TVH | |
| 267770-005 | SSCC-15-007-0-0.5 | 005 | 06/24/15 13:35 | 06/25/15 | | | N | | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | | | | | 07/02 | Soil | | TVH | |
| 267770-006 | SSCC-15-007-1.5-2 | 006 | 06/24/15 13:45 | 06/25/15 | | | N | | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | | | | | 07/02 | Soil | | TVH | |
| | SSCC-15-05-0-0.5 | 005 | 06/22/15 11:50 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| | SSCC-15-05-1.5-2 | 006 | 06/22/15 11:55 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| | SSCC-15-06-0-0.5 | 007 | 06/22/15 12:10 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| | SSCC-15-06-1.5-2 | 008 | 06/22/15 12:15 | 06/23/15 | | | N | | |

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 267770



Chain of Custody #

Project No:

Project Name: RSR

Project P. O. No:

EDD Format: Report Level ☐ II ☐ III ☐ IV

Turnaround Time: ☐ RUSH ☒ Standard

Sampler: M. Trevor

Report To: MARK TREVOR

Company: SLR

Telephone: 510-451-1761

Email: mtrevor@slrconsulting.com

ANALYTICAL REQUEST

| Lab No. | Sample ID. | Sampling Date Collected | Sampling Time Collected | Matrix Water | Matrix Solid | # of Containers | Chemical Preservative HCl | H2SO4 | HNO3 | NaOH | None | 6RO (8260D) | DRO (8260D) | MOTOR OIL (8260D) | CAM 17 METALS (std) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SSCC-15-014-0-0.5 | 6/24/15 | 1145 | | X | 2 | | | | | X | X | X | X | X |
| 2 | SSCC-15-014-1.5-2 | | 1155 | | | | | | | | | | | | |
| 3 | SSCC-15-010-0-0.5 | | 1230 | | | | | | | | | | | | |
| 4 | SSCC-15-010-1.5-2 | | 1240 | | | | | | | | | | | | |
| 5 | SSCC-15-007-0-0.5 | | 1335 | | | | | | | | | | | | |
| 6 | SSCC-15-007-1.5-2 | | 1345 | | | | | | | | | | | | |
| 7 | SSCC-15-011-0-0.5 | | 1300 | | | | | | | | | | | | |
| 8 | SSCC-15-011-1.5-2 | | 1305 | | | | | | | | | | | | |
| 9 | SSCC-15-001-0-0.5 | 6/25/15 | 0900 | | | | | | | | | | | | |
| 10 | SSCC-15-001-1.5-2 | | 0905 | | | | | | | | | | | | |
| 11 | SSCC-15-002-0-0.5 | | 0915 | | | | | | | | | | | | |
| 12 | SSCC-15-002-1.5-2 | | 0920 | | | | | | | | | | | | |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
[signature] DATE: 6/25 TIME: 1051
DATE: TIME:
DATE: TIME:

RECEIVED BY:
Pat Lamp DATE: 6/25/15 TIME: 10:51 am
DATE: TIME:
DATE: TIME:

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

267770

C&T LOGIN #



Chain of Custody #

SEE PAGE 1

Project No:
Project Name:
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler:
Report To:
Company:
Telephone:
Email:

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | MATRIX | MATRIX | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | ANALYTICAL REQUEST: 8260D GRO | 8260D DRO | 8260D MOTOR OIL | CAM-17 METALS (STD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | SSLC-15-003-0-0.5 | 6/25/15 | 0930 | | X | | | 2 | | | | | X | X | X | X | X |
| 14 | SSCC-15-003-1.5-2 | ↓ | 0940 | | X | | | 2 | | | | | X | X | X | X | X |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 6/25 TIME: 1051
DATE: TIME:
DATE: TIME:

RECEIVED BY:
Pat Hanny
DATE: 6/25/15 TIME: 10:51
DATE: TIME:
DATE: TIME:

**COOLER RECEIPT CHECKLIST**

Curtis & Tompkins, Ltd.

Login # 267770 Date Received 6/25/15 Number of coolers 1
Client SLR Project RSR

Date Opened 6/25 By (print) SL (sign) [illegible]
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

   ☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

   Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 4.8°

   ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
17. Did you document your preservative check? _____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

Rev 10, 9/12

Curtis & Tompkins, Ltd.

# Detections Summary for 267770

Results for any subcontracted analyses are not included in this summary.

Client : SLR International
Project : STANDARD
Location : RSR

## Client Sample ID : SSCC-15-014-0-0.5 Laboratory Sample ID : 267770-001

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 79 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 640 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 2.2 | | 0.45 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.7 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 150 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.44 | | 0.091 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.58 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 33 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.0 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 35 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 710 | | 23 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.16 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.3 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 35 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 37 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 420 | | 0.91 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

## Client Sample ID : SSCC-15-014-1.5-2 Laboratory Sample ID : 267770-002

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 73 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 480 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Antimony | 1.5 | | 0.46 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.5 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.45 | | 0.093 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.61 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 30 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 9.1 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 39 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,100 | | 23 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.15 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.6 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 38 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 39 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 580 | | 93 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-010-0-0.5 Laboratory Sample ID : 267770-003

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 99 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 680 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 2.4 | | 0.47 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 5.6 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 170 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.42 | | 0.094 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.68 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 43 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.5 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 40 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,200 | | 24 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.28 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 2.3 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 39 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 41 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 700 | | 94 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-010-1.5-2 Laboratory Sample ID : 267770-004

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 110 | Y | 9.9 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 710 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 1.4 | | 0.55 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.7 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 160 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.48 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.52 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 30 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.9 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 34 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,100 | | 27 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.17 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.4 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 35 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 38 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 470 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-007-0-0.5 Laboratory Sample ID : 267770-005

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 50 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 170 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Antimony | 2.2 | | 0.51 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 26 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 110 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.75 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 12 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 6.3 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 20 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 77 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.081 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.37 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 23 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 23 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 1,600 | | 100 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-007-1.5-2 Laboratory Sample ID : 267770-006

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 100 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 240 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Antimony | 1.4 | | 0.50 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 19 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 140 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.76 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 14 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 6.9 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 18 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 48 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.088 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.32 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 22 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 26 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 1,300 | | 100 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-011-0-0.5 Laboratory Sample ID : 267770-007

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 95 | Y | 9.9 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 670 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 2.2 | | 0.52 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.9 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 160 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.44 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.67 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 31 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.7 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 39 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,200 | | 26 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.16 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.6 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 39 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 42 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 730 | | 100 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-011-1.5-2 Laboratory Sample ID : 267770-008

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 120 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 780 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 3.1 | | 0.50 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 4.8 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 380 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.42 | | 0.099 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.63 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 35 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 8.4 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 42 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 1,200 | | 25 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |
| Mercury | 0.18 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 1.6 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 39 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 41 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 750 | | 99 | mg/Kg | As Recd | 100.0 | EPA 6010B | EPA 3050B |

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Client Sample ID : SSCC-15-001-0-0.5 Laboratory Sample ID : 267770-009

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 1.7 | Z | 1.1 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 5030B |
| Diesel C10-C24 | 27 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 170 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 1.0 | | 0.51 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 9.0 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 200 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.45 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.27 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 52 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 14 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 47 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 89 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 68 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 66 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 130 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-001-1.5-2 Laboratory Sample ID : 267770-010

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 24 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 170 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 2.0 | | 0.54 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 8.0 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 180 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.42 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 46 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 12 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 42 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 85 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.087 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 61 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 61 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 120 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-002-0-0.5 Laboratory Sample ID : 267770-011

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 20 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 120 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 3.3 | | 0.54 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 8.4 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 200 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.47 | | 0.11 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 52 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 15 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 47 | | 0.28 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 72 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 71 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 68 | | 0.27 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 130 | | 1.1 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-002-1.5-2 Laboratory Sample ID : 267770-012

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 21 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 140 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 2.2 | | 0.47 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 8.5 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 190 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.46 | | 0.094 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 56 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 14 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 45 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 77 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.16 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 73 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 63 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 120 | | 0.94 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-003-0-0.5 Laboratory Sample ID : 267770-013

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 24 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 150 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 2.6 | | 0.48 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 7.9 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 190 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.45 | | 0.095 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.26 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 54 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 13 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 45 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 75 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.085 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 65 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 67 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 130 | | 0.95 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-003-1.5-2 Laboratory Sample ID : 267770-014

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 23 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 160 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 1.4 | | 0.50 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 8.9 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 200 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.47 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cadmium | 0.27 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 56 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 15 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 48 | | 0.26 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 76 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.092 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Nickel | 74 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 68 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 140 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-007-0-0.5 Laboratory Sample ID : 267770-015

No Detections

Client Sample ID : SSCC-15-007-1.5-2 Laboratory Sample ID : 267770-016

No Detections

Y = Sample exhibits chromatographic pattern which does not resemble standard
Z = Sample exhibits unknown single peak or peaks

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-014-0-0.5 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-001 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 96 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-014-1.5-2 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-002 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-010-0-0.5 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-003 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 101 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-010-1.5-2 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-004 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 106 | 78-138 |

Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-007-0-0.5 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-005 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.93 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 116 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-007-1.5-2 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-006 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 112 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-011-0-0.5 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-007 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 114 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-011-1.5-2 | Batch#: | 224476 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-008 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 94 | 78-138 |

Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-001-0-0.5 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-009 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 1.7 Z | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-001-1.5-2 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-010 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-002-0-0.5 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-011 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-002-1.5-2 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-012 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 98 | 78-138 |

Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | mg/Kg | Received: | 06/25/15 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-003-0-0.5 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-013 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 99 | 78-138 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-003-1.5-2 | Batch#: | 224499 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-014 | Analyzed: | 06/26/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 97 | 78-138 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224476 |
| Lab ID: | QC793199 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 103 | 78-138 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224499 |
| Lab ID: | QC793297 | Analyzed: | 06/25/15 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 100 | 78-138 |

Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793198 | Batch#: | 224476 |
| Matrix: | Soil | Analyzed: | 06/25/15 |
| Units: | mg/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 1.015 | 102 | 80-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 108 | 78-138 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 1.000 |
| MSS Lab ID: | 267722-001 | Batch#: | 224476 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/24/15 |
| Basis: | as received | Analyzed: | 06/25/15 |

Type: MS Lab ID: QC793200

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.08145 | 10.75 | 8.847 | 82 | 50-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 113 | 78-138 |

Type: MSD Lab ID: QC793201

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 9.804 | 7.315 | 74 | 50-120 | 10 | 31 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 119 | 78-138 |

RPD= Relative Percent Difference

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Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793298 | Batch#: | 224499 |
| Matrix: | Soil | Analyzed: | 06/25/15 |
| Units: | mg/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 0.9797 | 98 | 80-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | SSM-15-03-0-0.5 | Diln Fac: | 1.000 |
| MSS Lab ID: | 267699-016 | Batch#: | 224499 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/23/15 |
| Basis: | as received | Analyzed: | 06/25/15 |

Type: MS Lab ID: QC793299

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.05458 | 10.53 | 8.562 | 81 | 50-120 |

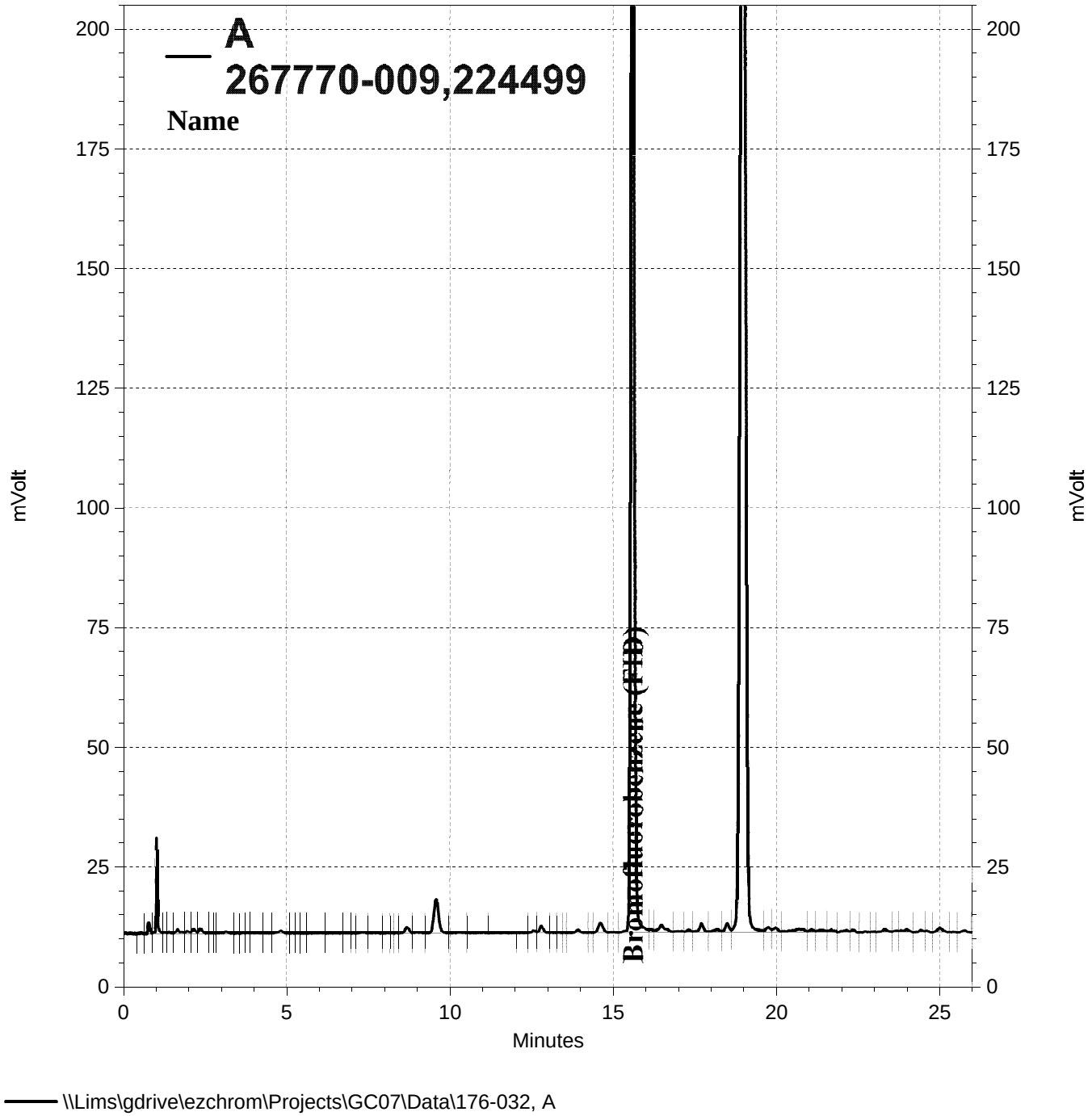
| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 101 | 78-138 |

Type: MSD Lab ID: QC793300

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 10.75 | 7.051 | 65 | 50-120 | 21 | 31 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

RPD= Relative Percent Difference


A
267770-009,224499
Name
Bromofluorobenzene (FID)
mVolt
mVolt
Minutes
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25
50
75
100
125
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175
200
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20
25
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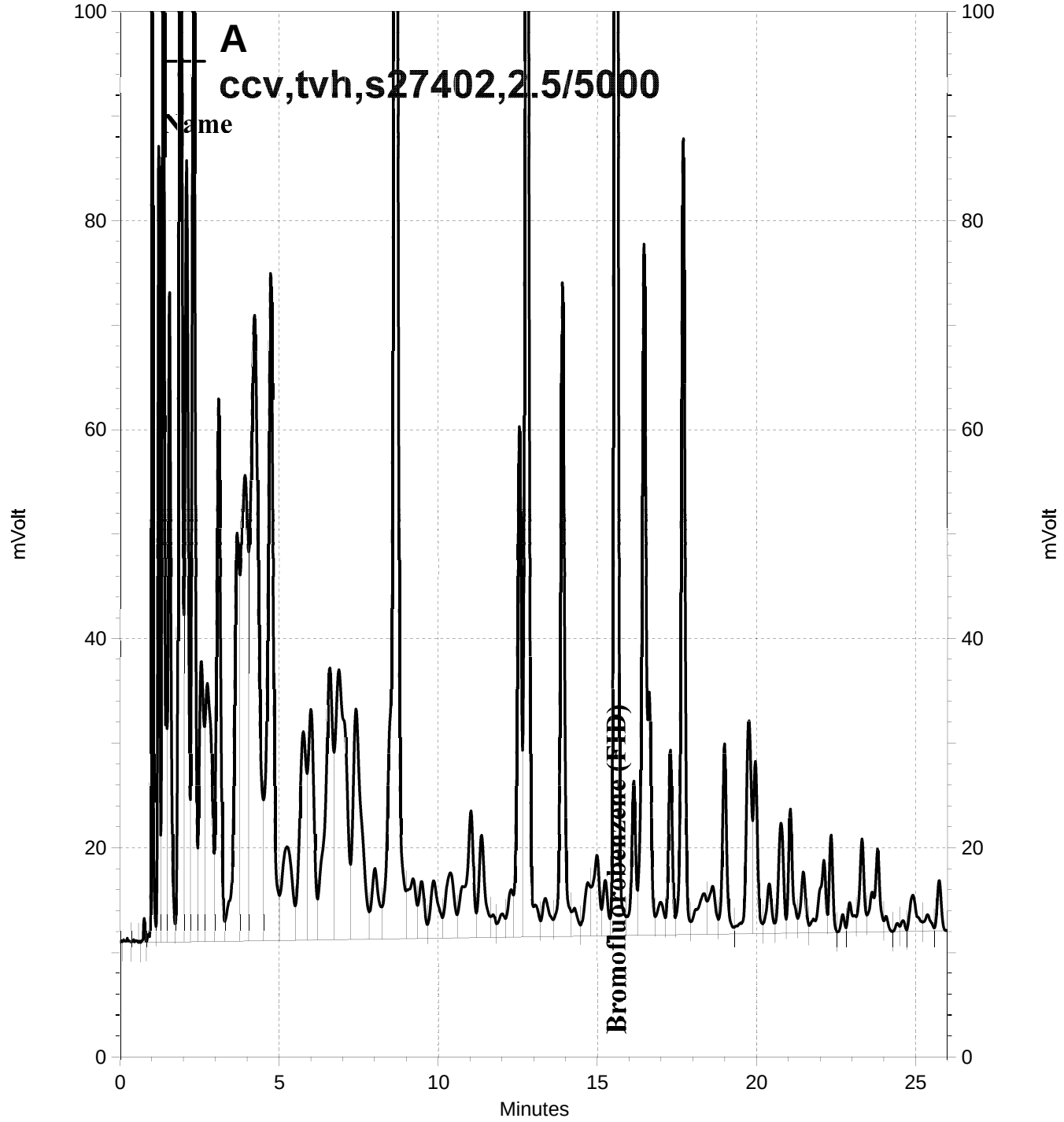


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Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 06/25/15 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-014-0-0.5 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-001 | Prepared: | 06/26/15 |
| Diln Fac: | 10.00 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 79 Y | 10 |
| Motor Oil C24-C36 | 640 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-014-1.5-2 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-002 | Prepared: | 06/26/15 |
| Diln Fac: | 5.000 | Analyzed: | 06/29/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 73 Y | 5.0 |
| Motor Oil C24-C36 | 480 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 62 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-010-0-0.5 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-003 | Prepared: | 06/26/15 |
| Diln Fac: | 10.00 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 99 Y | 10 |
| Motor Oil C24-C36 | 680 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-010-1.5-2 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-004 | Prepared: | 06/26/15 |
| Diln Fac: | 10.00 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 110 Y | 9.9 |
| Motor Oil C24-C36 | 710 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 06/25/15 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-007-0-0.5 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-005 | Prepared: | 06/26/15 |
| Diln Fac: | 5.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 50 Y | 5.0 |
| Motor Oil C24-C36 | 170 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 94 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-007-1.5-2 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-006 | Prepared: | 06/26/15 |
| Diln Fac: | 5.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 100 Y | 5.0 |
| Motor Oil C24-C36 | 240 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 111 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-011-0-0.5 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-007 | Prepared: | 06/26/15 |
| Diln Fac: | 10.00 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 95 Y | 9.9 |
| Motor Oil C24-C36 | 670 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-011-1.5-2 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/24/15 |
| Lab ID: | 267770-008 | Prepared: | 06/26/15 |
| Diln Fac: | 10.00 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 120 Y | 10 |
| Motor Oil C24-C36 | 780 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 06/25/15 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-001-0-0.5 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-009 | Prepared: | 06/26/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 27 Y | 1.0 |
| Motor Oil C24-C36 | 170 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 107 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-001-1.5-2 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-010 | Prepared: | 06/26/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 24 Y | 1.0 |
| Motor Oil C24-C36 | 170 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 106 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-002-0-0.5 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-011 | Prepared: | 06/26/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 20 Y | 1.0 |
| Motor Oil C24-C36 | 120 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 100 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-002-1.5-2 | Batch#: | 224554 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-012 | Prepared: | 06/26/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 21 Y | 1.0 |
| Motor Oil C24-C36 | 140 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 97 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 06/25/15 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-003-0-0.5 | Batch#: | 224606 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-013 | Prepared: | 06/29/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/30/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 24 Y | 1.0 |
| Motor Oil C24-C36 | 150 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 104 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-003-1.5-2 | Batch#: | 224606 |
| Type: | SAMPLE | Sampled: | 06/25/15 |
| Lab ID: | 267770-014 | Prepared: | 06/29/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/30/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 23 Y | 1.0 |
| Motor Oil C24-C36 | 160 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 103 | 59-140 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224554 |
| Lab ID: | QC793508 | Prepared: | 06/26/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/27/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |
| Motor Oil C24-C36 | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 106 | 59-140 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Batch#: | 224606 |
| Lab ID: | QC793703 | Prepared: | 06/29/15 |
| Diln Fac: | 1.000 | Analyzed: | 06/29/15 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |
| Motor Oil C24-C36 | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 92 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793509 | Batch#: | 224554 |
| Matrix: | Soil | Prepared: | 06/26/15 |
| Units: | mg/Kg | Analyzed: | 06/27/15 |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.98 | 40.58 | 81 | 58-137 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 86 | 59-140 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793704 | Batch#: | 224606 |
| Matrix: | Soil | Prepared: | 06/29/15 |
| Units: | mg/Kg | Analyzed: | 06/29/15 |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.60 | 42.84 | 86 | 58-137 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 91 | 59-140 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 224606 |
| MSS Lab ID: | 267808-006 | Sampled: | 06/26/15 |
| Matrix: | Soil | Received: | 06/26/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | Analyzed: | 06/29/15 |
| Diln Fac: | 1.000 | | |

Type: MS Lab ID: QC793705

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 38.92 | 50.48 | 73.34 | 68 | 46-154 |

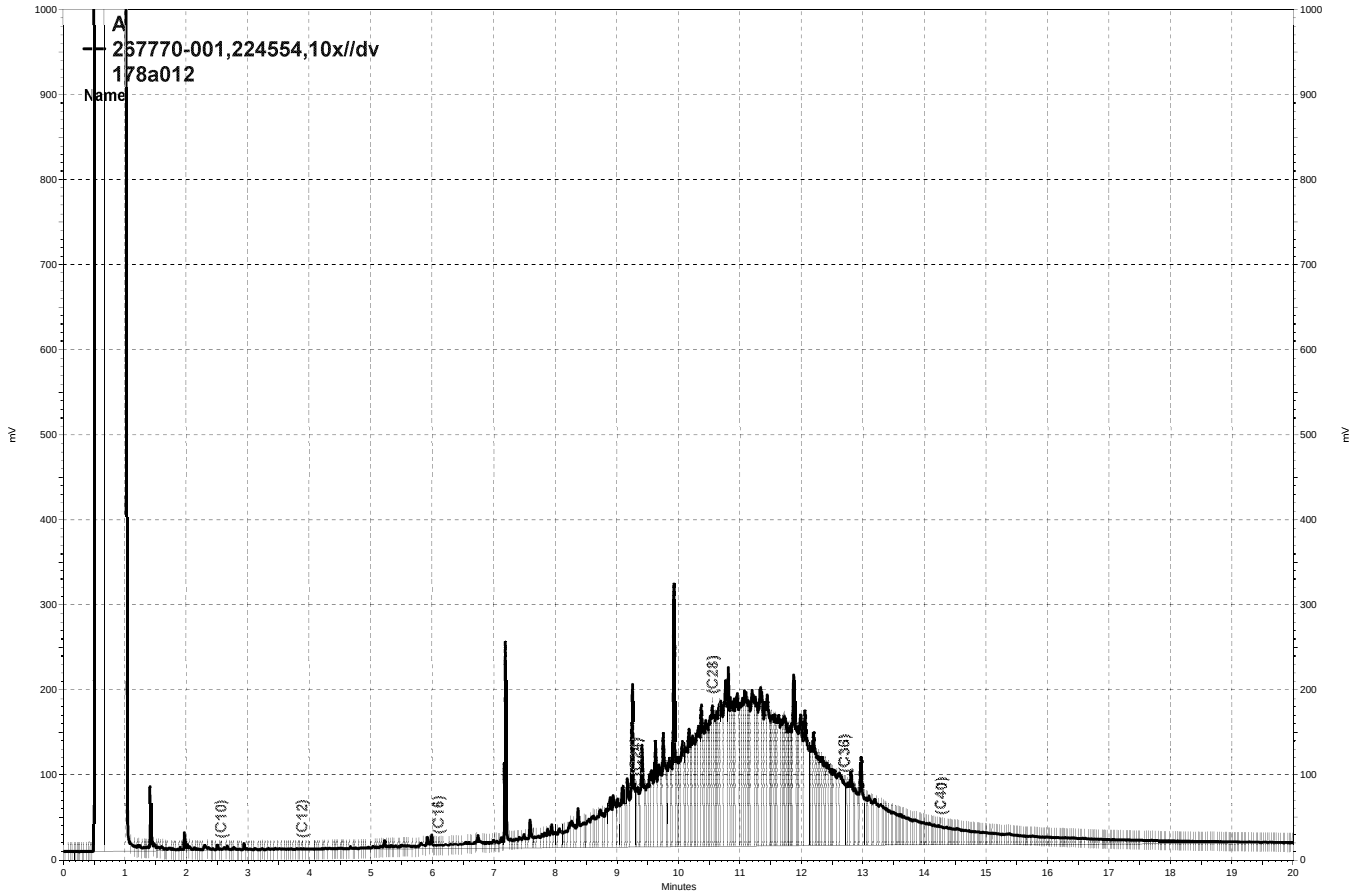
| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 76 | 59-140 |

Type: MSD Lab ID: QC793706

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 50.05 | 96.23 | 115 | 46-154 | 27 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 100 | 59-140 |

RPD= Relative Percent Difference

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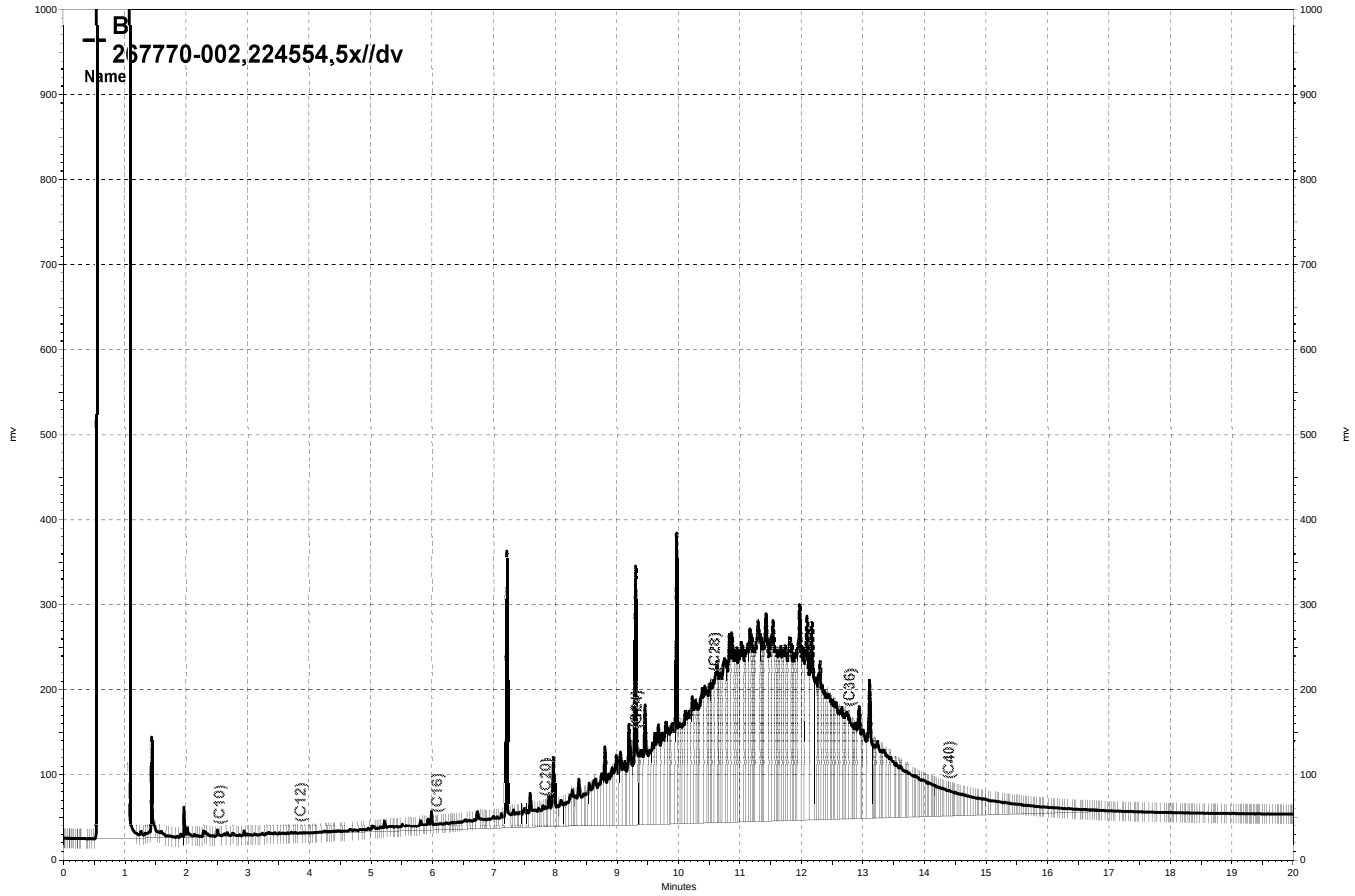


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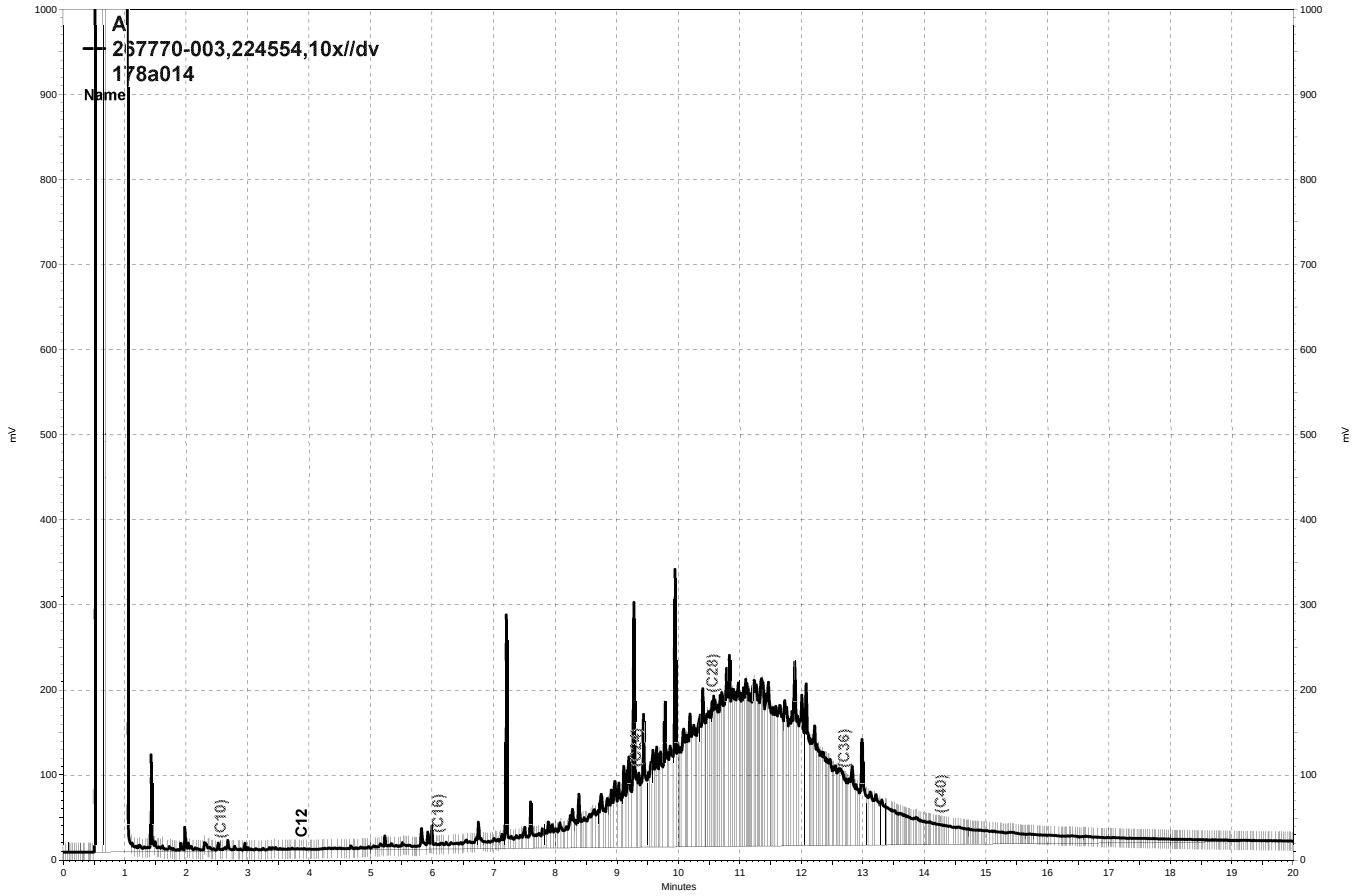


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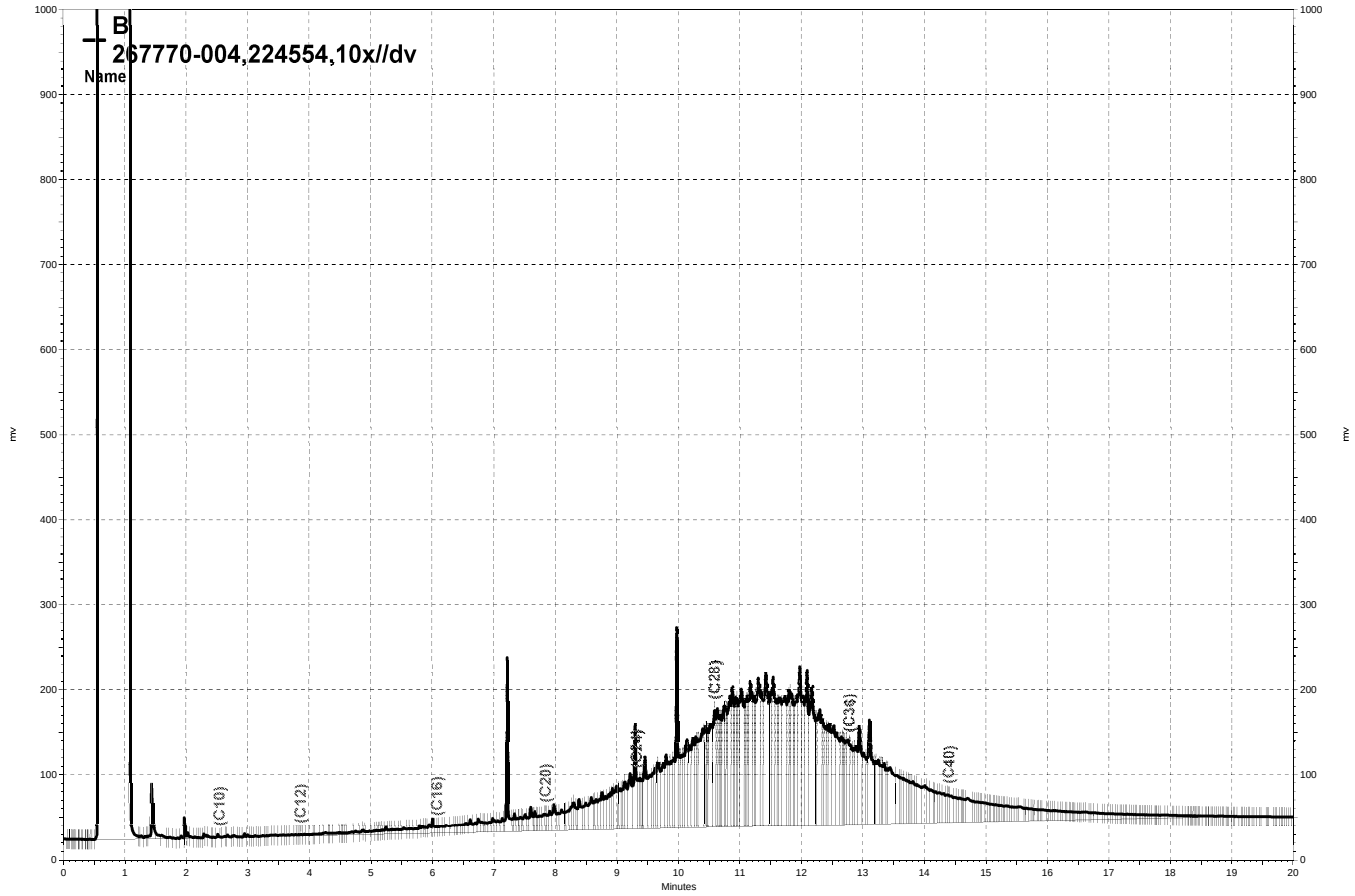


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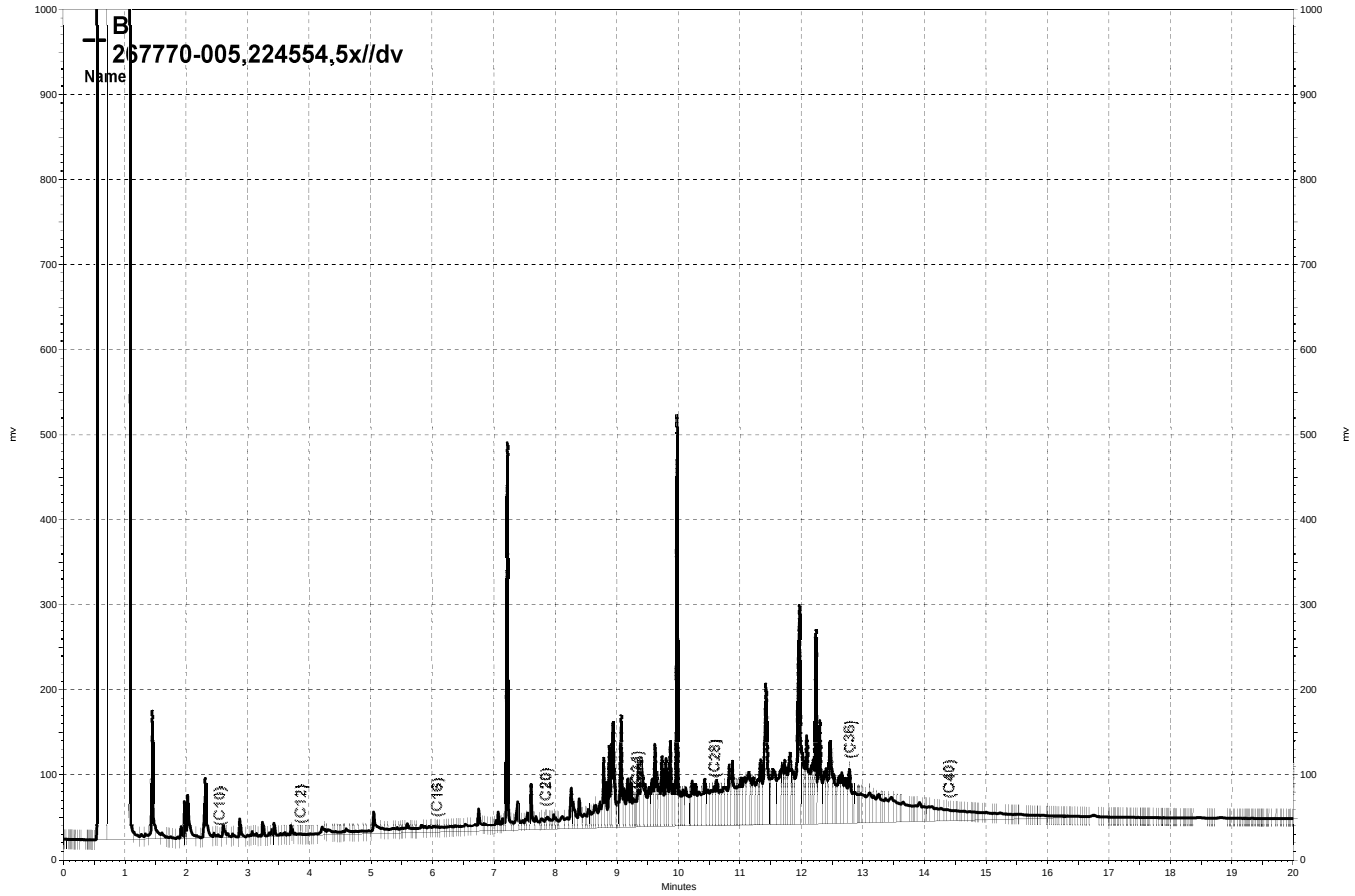


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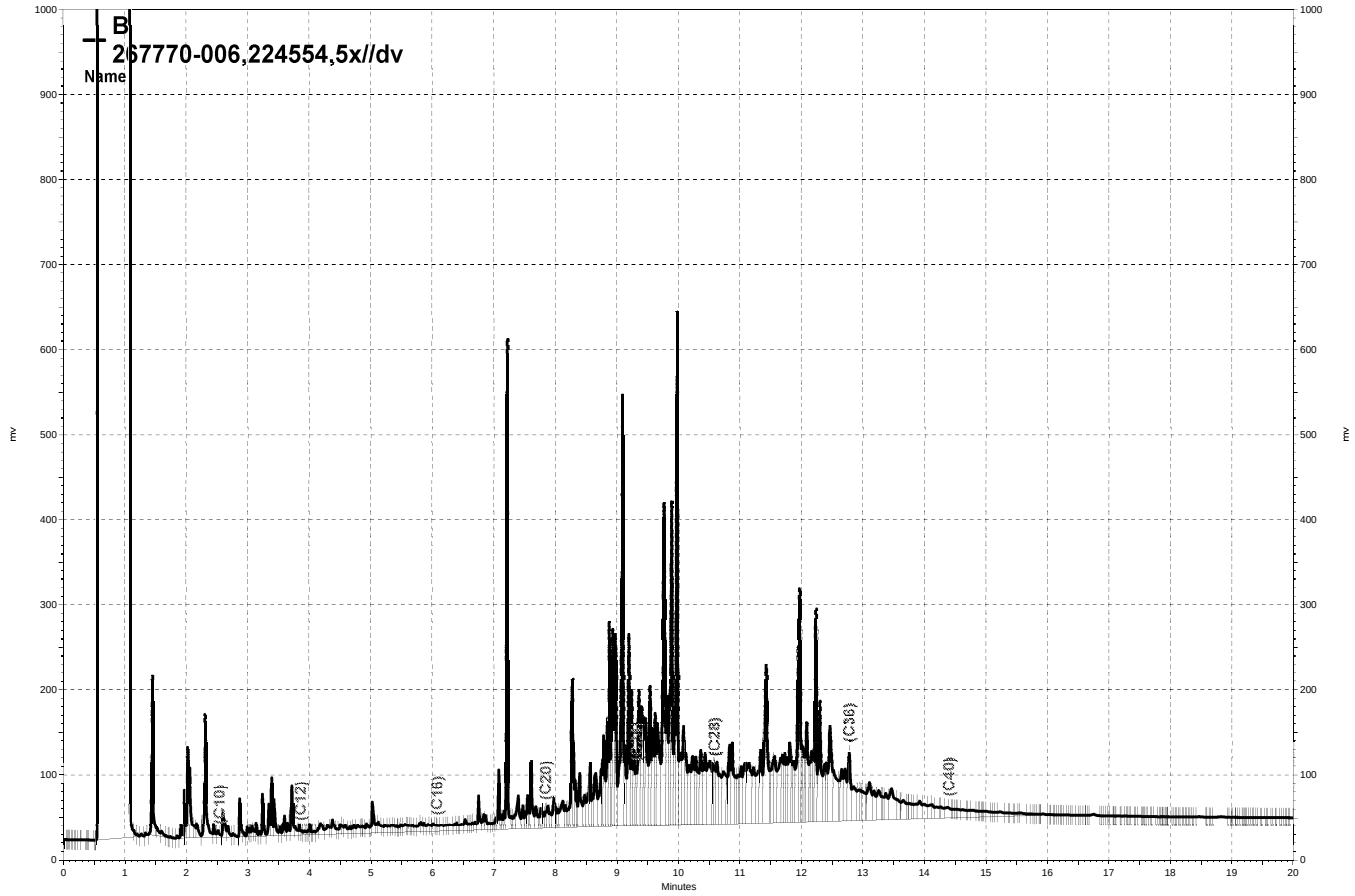


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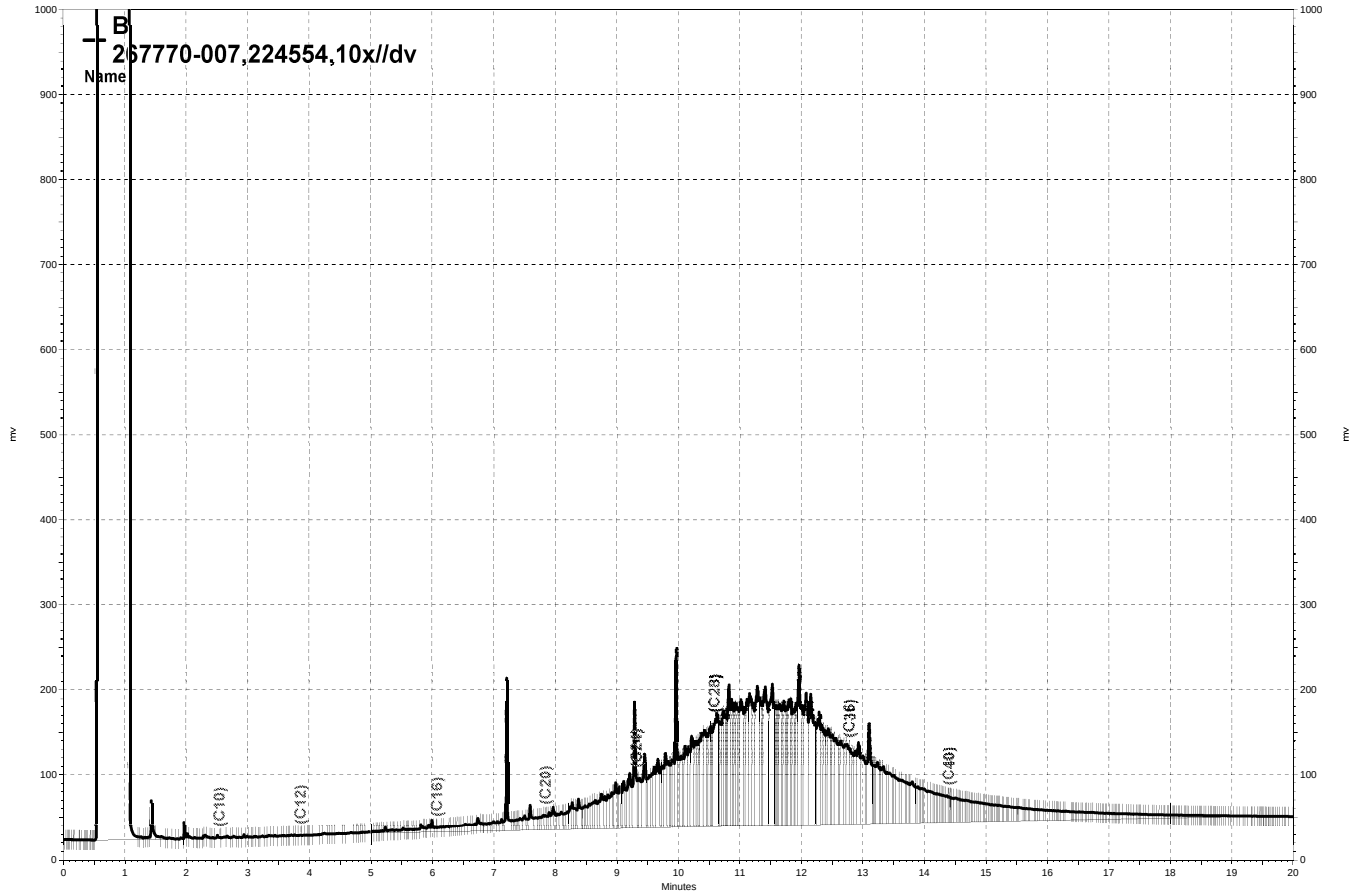


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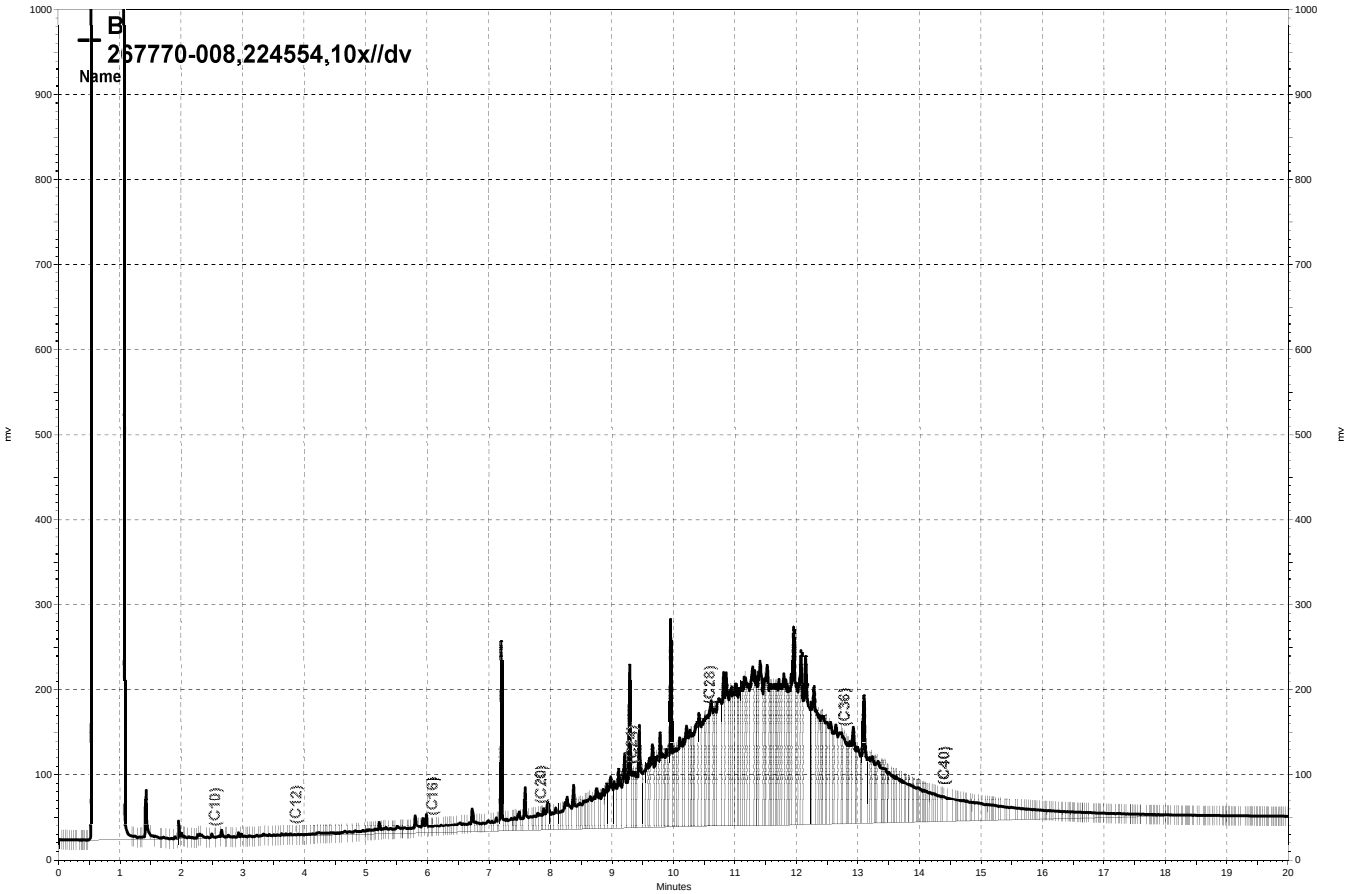


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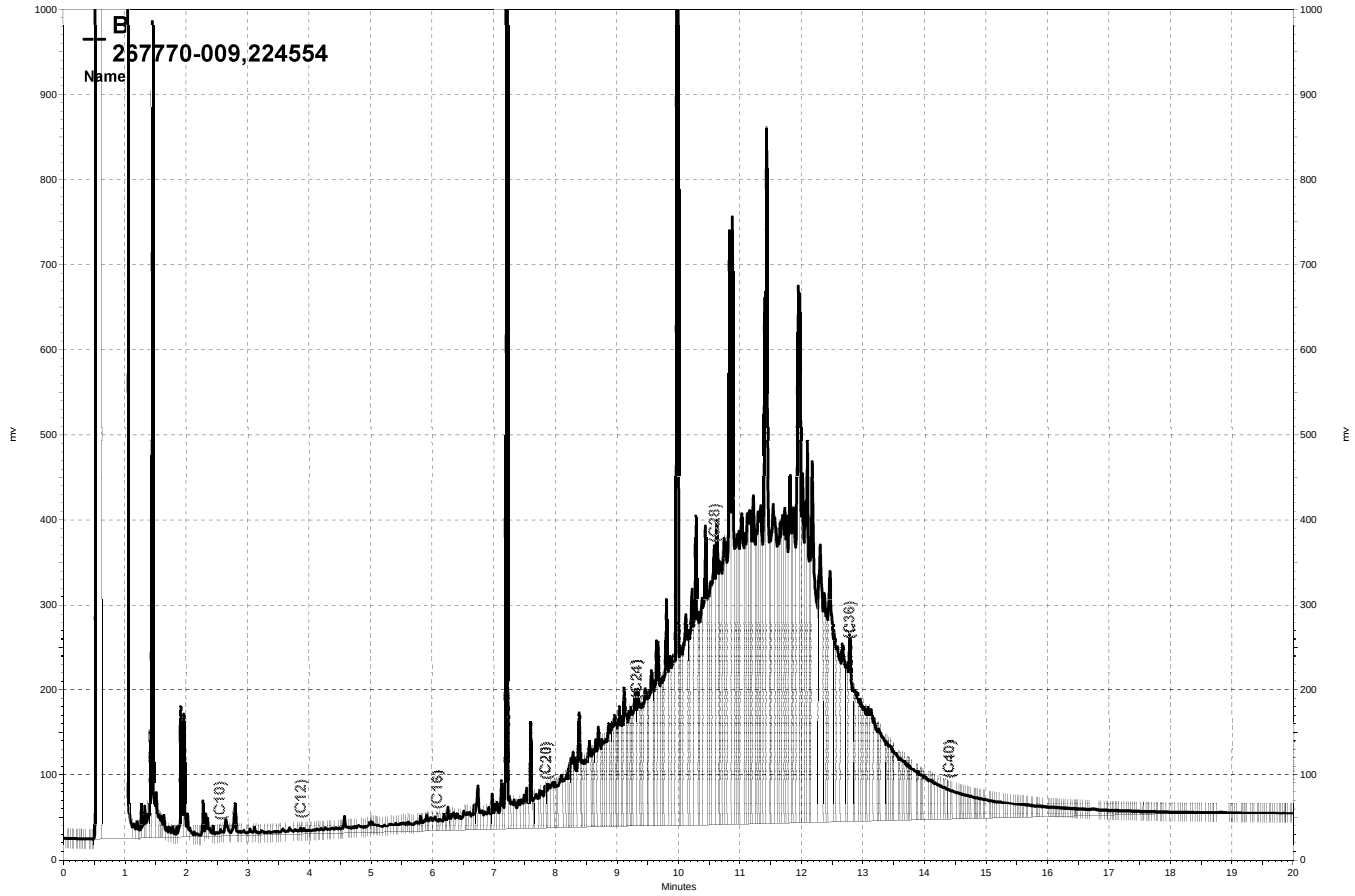


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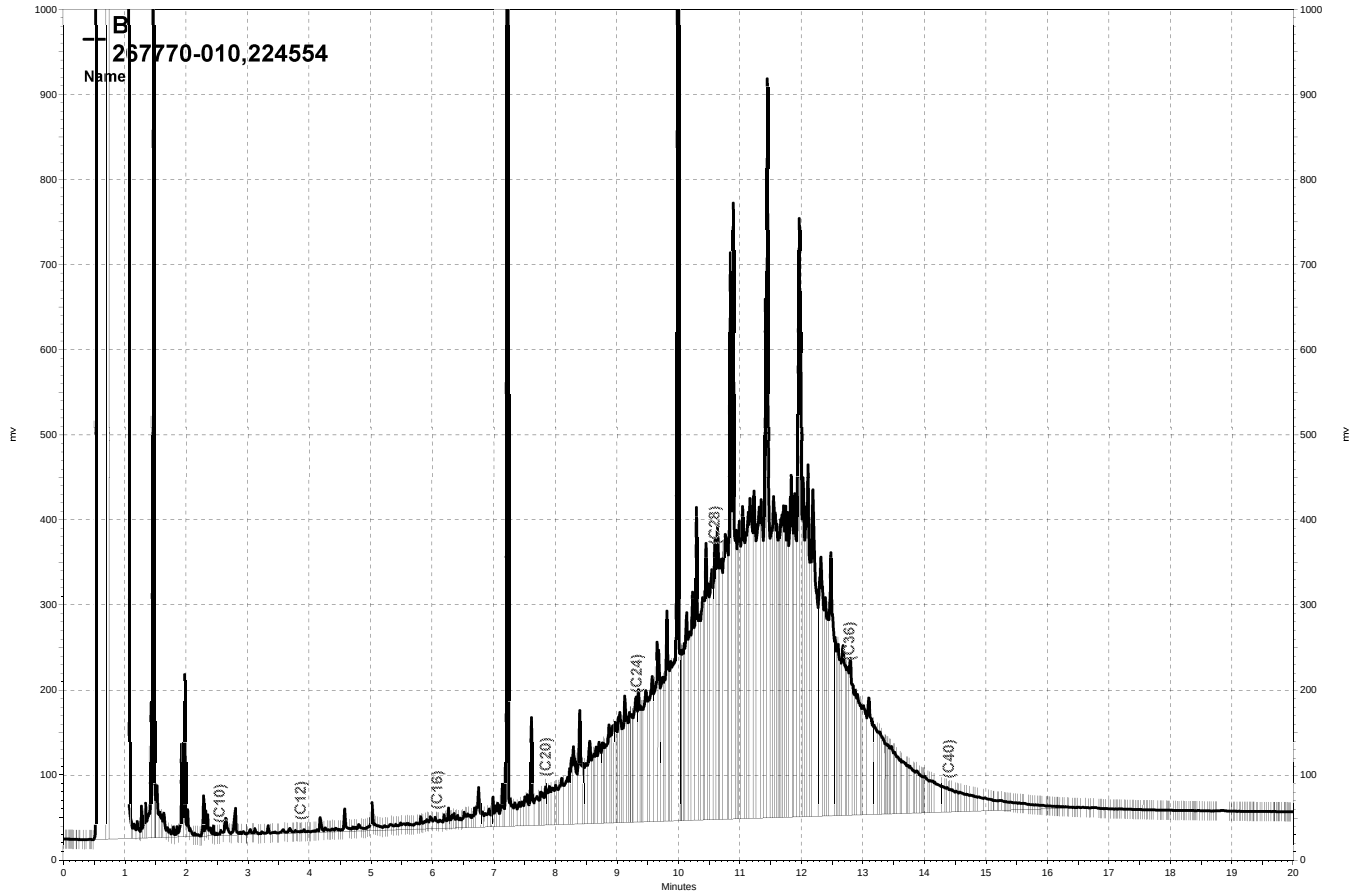


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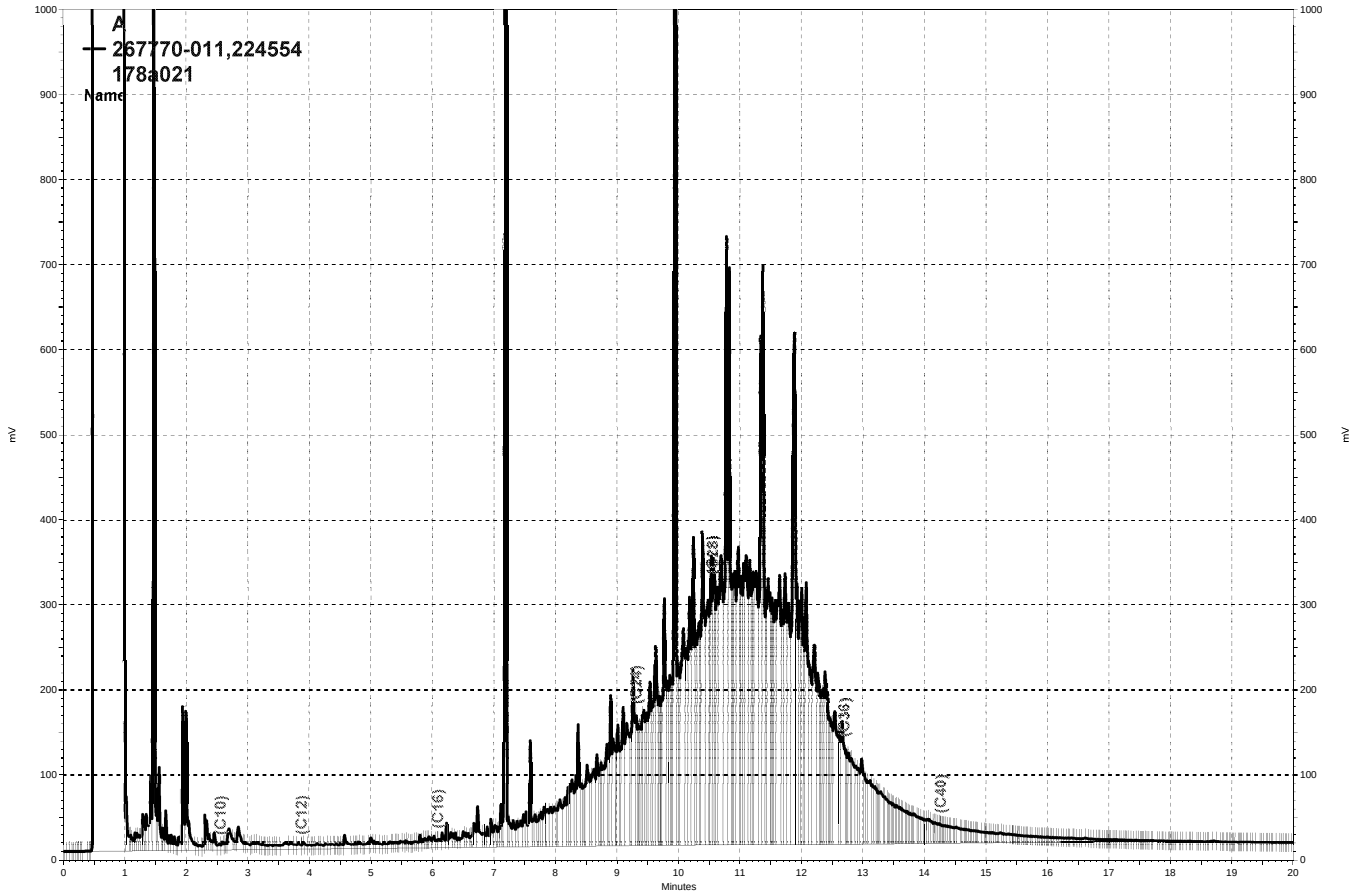


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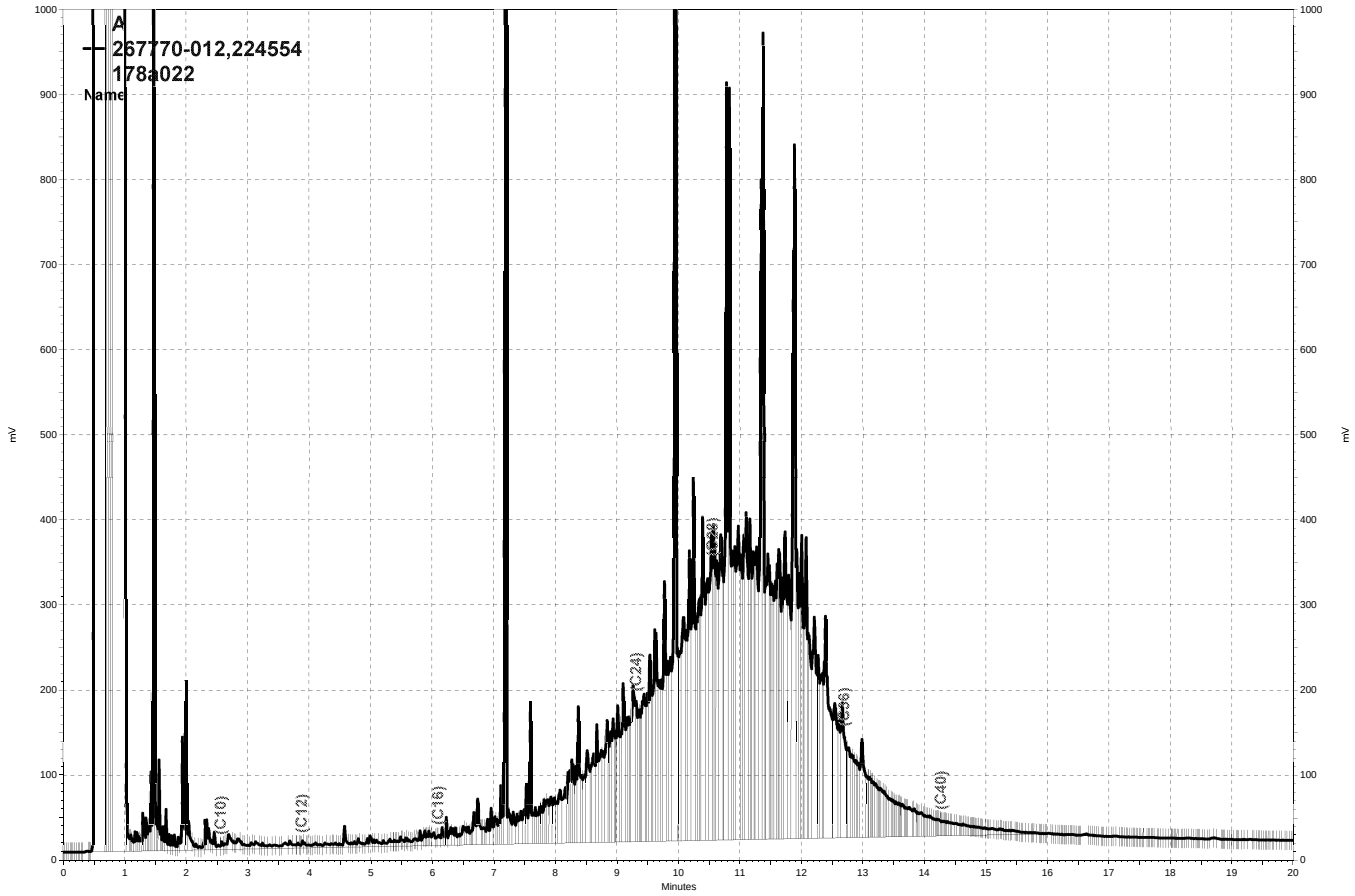


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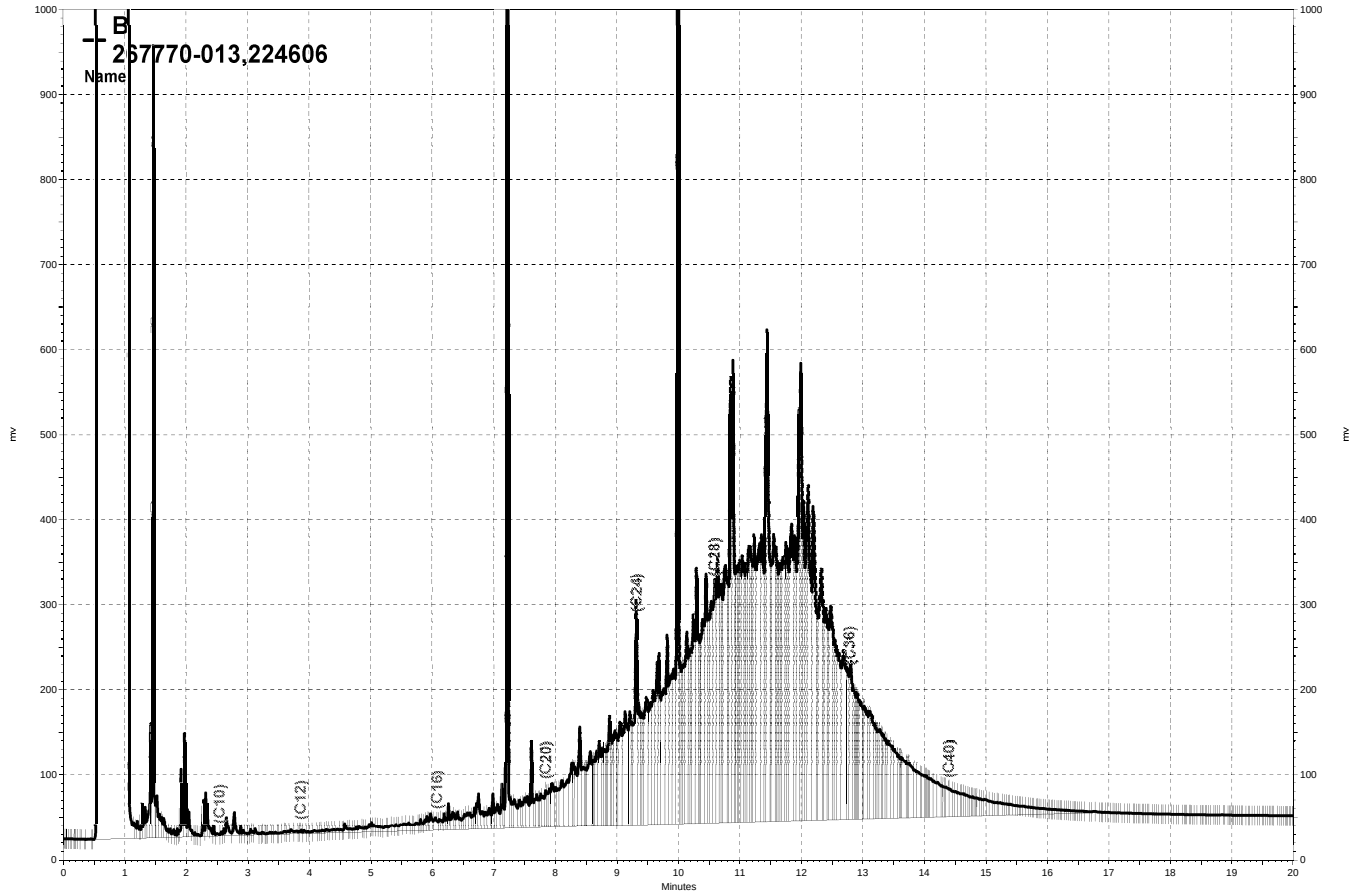


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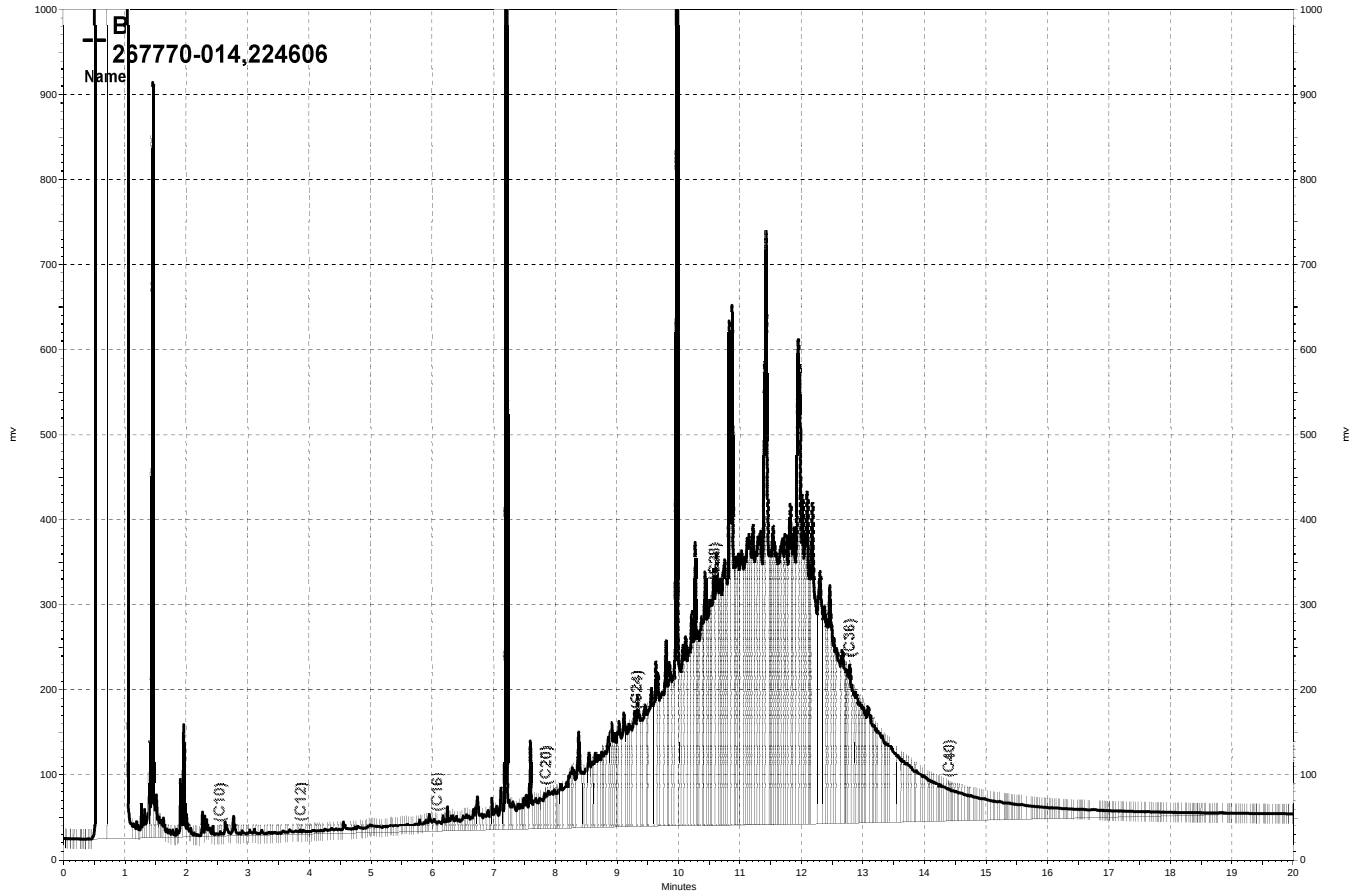


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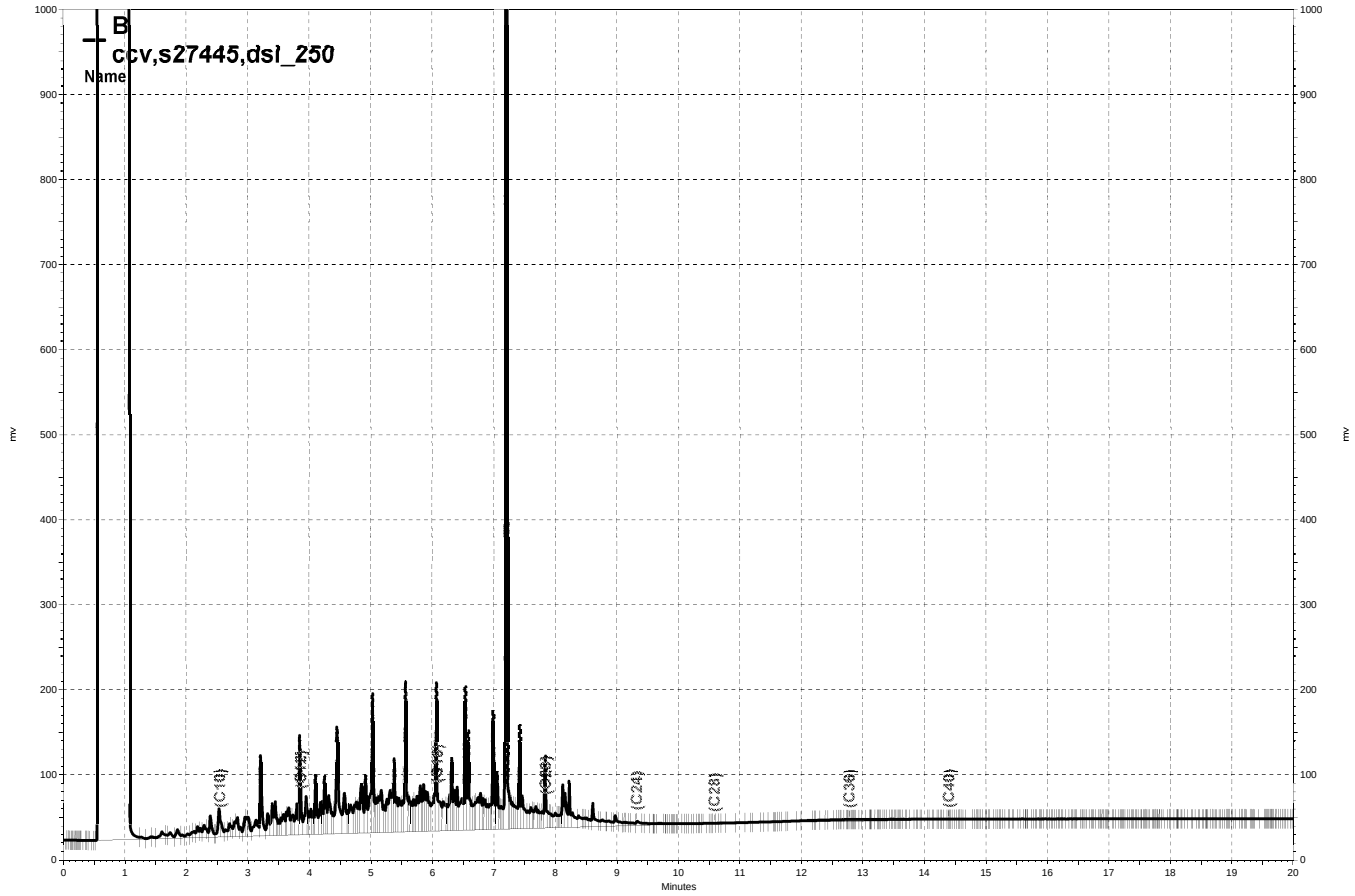


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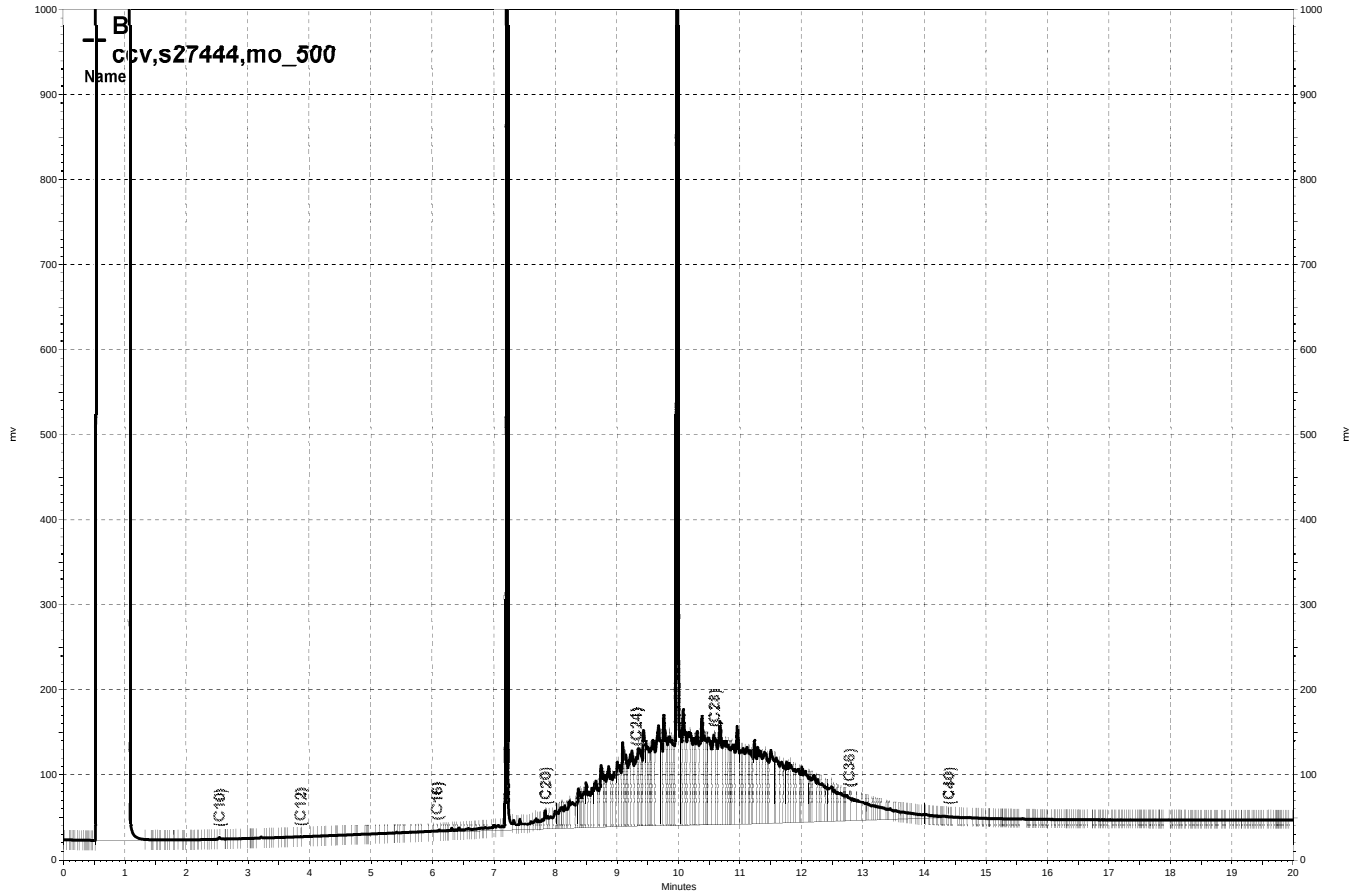


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Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-007-0-0.5 | Diln Fac: | 0.9191 |
| Lab ID: | 267770-015 | Batch#: | 224816 |
| Matrix: | Soil | Sampled: | 06/24/15 |
| Units: | ug/Kg | Received: | 06/25/15 |
| Basis: | as received | Analyzed: | 07/07/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.2 |
| Chloromethane | ND | 9.2 |
| Vinyl Chloride | ND | 9.2 |
| Bromomethane | ND | 9.2 |
| Chloroethane | ND | 9.2 |
| Trichlorofluoromethane | ND | 4.6 |
| Acetone | ND | 18 |
| Freon 113 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 4.6 |
| Methylene Chloride | ND | 18 |
| Carbon Disulfide | ND | 4.6 |
| MTBE | ND | 4.6 |
| trans-1,2-Dichloroethene | ND | 4.6 |
| Vinyl Acetate | ND | 46 |
| 1,1-Dichloroethane | ND | 4.6 |
| 2-Butanone | ND | 9.2 |
| cis-1,2-Dichloroethene | ND | 4.6 |
| 2,2-Dichloropropane | ND | 4.6 |
| Chloroform | ND | 4.6 |
| Bromochloromethane | ND | 4.6 |
| 1,1,1-Trichloroethane | ND | 4.6 |
| 1,1-Dichloropropene | ND | 4.6 |
| Carbon Tetrachloride | ND | 4.6 |
| 1,2-Dichloroethane | ND | 4.6 |
| Benzene | ND | 4.6 |
| Trichloroethene | ND | 4.6 |
| 1,2-Dichloropropane | ND | 4.6 |
| Bromodichloromethane | ND | 4.6 |
| Dibromomethane | ND | 4.6 |
| 4-Methyl-2-Pentanone | ND | 9.2 |
| cis-1,3-Dichloropropene | ND | 4.6 |
| Toluene | ND | 4.6 |
| trans-1,3-Dichloropropene | ND | 4.6 |
| 1,1,2-Trichloroethane | ND | 4.6 |
| 2-Hexanone | ND | 9.2 |
| 1,3-Dichloropropane | ND | 4.6 |
| Tetrachloroethene | ND | 4.6 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-007-0-0.5 | Diln Fac: | 0.9191 |
| Lab ID: | 267770-015 | Batch#: | 224816 |
| Matrix: | Soil | Sampled: | 06/24/15 |
| Units: | ug/Kg | Received: | 06/25/15 |
| Basis: | as received | Analyzed: | 07/07/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.6 |
| 1,2-Dibromoethane | ND | 4.6 |
| Chlorobenzene | ND | 4.6 |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 |
| Ethylbenzene | ND | 4.6 |
| m,p-Xylenes | ND | 4.6 |
| o-Xylene | ND | 4.6 |
| Styrene | ND | 4.6 |
| Bromoform | ND | 4.6 |
| Isopropylbenzene | ND | 4.6 |
| 1,1,2,2-Tetrachloroethane | ND | 4.6 |
| 1,2,3-Trichloropropane | ND | 4.6 |
| Propylbenzene | ND | 4.6 |
| Bromobenzene | ND | 4.6 |
| 1,3,5-Trimethylbenzene | ND | 4.6 |
| 2-Chlorotoluene | ND | 4.6 |
| 4-Chlorotoluene | ND | 4.6 |
| tert-Butylbenzene | ND | 4.6 |
| 1,2,4-Trimethylbenzene | ND | 4.6 |
| sec-Butylbenzene | ND | 4.6 |
| para-Isopropyl Toluene | ND | 4.6 |
| 1,3-Dichlorobenzene | ND | 4.6 |
| 1,4-Dichlorobenzene | ND | 4.6 |
| n-Butylbenzene | ND | 4.6 |
| 1,2-Dichlorobenzene | ND | 4.6 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.6 |
| 1,2,4-Trichlorobenzene | ND | 4.6 |
| Hexachlorobutadiene | ND | 4.6 |
| Naphthalene | ND | 4.6 |
| 1,2,3-Trichlorobenzene | ND | 4.6 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 105 | 78-134 |
| 1,2-Dichloroethane-d4 | 101 | 80-138 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 110 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-007-1.5-2 | Diln Fac: | 0.9747 |
| Lab ID: | 267770-016 | Batch#: | 224816 |
| Matrix: | Soil | Sampled: | 06/24/15 |
| Units: | ug/Kg | Received: | 06/25/15 |
| Basis: | as received | Analyzed: | 07/07/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.7 |
| Chloromethane | ND | 9.7 |
| Vinyl Chloride | ND | 9.7 |
| Bromomethane | ND | 9.7 |
| Chloroethane | ND | 9.7 |
| Trichlorofluoromethane | ND | 4.9 |
| Acetone | ND | 19 |
| Freon 113 | ND | 4.9 |
| 1,1-Dichloroethene | ND | 4.9 |
| Methylene Chloride | ND | 19 |
| Carbon Disulfide | ND | 4.9 |
| MTBE | ND | 4.9 |
| trans-1,2-Dichloroethene | ND | 4.9 |
| Vinyl Acetate | ND | 49 |
| 1,1-Dichloroethane | ND | 4.9 |
| 2-Butanone | ND | 9.7 |
| cis-1,2-Dichloroethene | ND | 4.9 |
| 2,2-Dichloropropane | ND | 4.9 |
| Chloroform | ND | 4.9 |
| Bromochloromethane | ND | 4.9 |
| 1,1,1-Trichloroethane | ND | 4.9 |
| 1,1-Dichloropropene | ND | 4.9 |
| Carbon Tetrachloride | ND | 4.9 |
| 1,2-Dichloroethane | ND | 4.9 |
| Benzene | ND | 4.9 |
| Trichloroethene | ND | 4.9 |
| 1,2-Dichloropropane | ND | 4.9 |
| Bromodichloromethane | ND | 4.9 |
| Dibromomethane | ND | 4.9 |
| 4-Methyl-2-Pentanone | ND | 9.7 |
| cis-1,3-Dichloropropene | ND | 4.9 |
| Toluene | ND | 4.9 |
| trans-1,3-Dichloropropene | ND | 4.9 |
| 1,1,2-Trichloroethane | ND | 4.9 |
| 2-Hexanone | ND | 9.7 |
| 1,3-Dichloropropane | ND | 4.9 |
| Tetrachloroethene | ND | 4.9 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-007-1.5-2 | Diln Fac: | 0.9747 |
| Lab ID: | 267770-016 | Batch#: | 224816 |
| Matrix: | Soil | Sampled: | 06/24/15 |
| Units: | ug/Kg | Received: | 06/25/15 |
| Basis: | as received | Analyzed: | 07/07/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.9 |
| 1,2-Dibromoethane | ND | 4.9 |
| Chlorobenzene | ND | 4.9 |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 |
| Ethylbenzene | ND | 4.9 |
| m,p-Xylenes | ND | 4.9 |
| o-Xylene | ND | 4.9 |
| Styrene | ND | 4.9 |
| Bromoform | ND | 4.9 |
| Isopropylbenzene | ND | 4.9 |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 |
| 1,2,3-Trichloropropane | ND | 4.9 |
| Propylbenzene | ND | 4.9 |
| Bromobenzene | ND | 4.9 |
| 1,3,5-Trimethylbenzene | ND | 4.9 |
| 2-Chlorotoluene | ND | 4.9 |
| 4-Chlorotoluene | ND | 4.9 |
| tert-Butylbenzene | ND | 4.9 |
| 1,2,4-Trimethylbenzene | ND | 4.9 |
| sec-Butylbenzene | ND | 4.9 |
| para-Isopropyl Toluene | ND | 4.9 |
| 1,3-Dichlorobenzene | ND | 4.9 |
| 1,4-Dichlorobenzene | ND | 4.9 |
| n-Butylbenzene | ND | 4.9 |
| 1,2-Dichlorobenzene | ND | 4.9 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.9 |
| 1,2,4-Trichlorobenzene | ND | 4.9 |
| Hexachlorobutadiene | ND | 4.9 |
| Naphthalene | ND | 4.9 |
| 1,2,3-Trichlorobenzene | ND | 4.9 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 105 | 78-134 |
| 1,2-Dichloroethane-d4 | 101 | 80-138 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 109 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC794497 | Batch#: | 224816 |
| Matrix: | Soil | Analyzed: | 07/07/15 |
| Units: | ug/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 29.14 | 117 | 70-134 |
| Benzene | 25.00 | 25.68 | 103 | 80-123 |
| Trichloroethene | 25.00 | 26.10 | 104 | 80-128 |
| Toluene | 25.00 | 26.82 | 107 | 80-120 |
| Chlorobenzene | 25.00 | 26.76 | 107 | 80-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 93 | 78-134 |
| 1,2-Dichloroethane-d4 | 94 | 80-138 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 100 | 78-123 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794498 | Batch#: | 224816 |
| Matrix: | Soil | Analyzed: | 07/07/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794498 | Batch#: | 224816 |
| Matrix: | Soil | Analyzed: | 07/07/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 101 | 78-134 |
| 1,2-Dichloroethane-d4 | 95 | 80-138 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 106 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-007-0-0.5 | Batch#: | 224816 |
| MSS Lab ID: | 267770-015 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | ug/Kg | Analyzed: | 07/07/15 |
| Basis: | as received | | |

Type: MS  Diln Fac: 0.9191
Lab ID: QC794526

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | <0.5502 | 45.96 | 35.72 | 78 | 56-133 |
| Benzene | <0.6411 | 45.96 | 39.19 | 85 | 57-120 |
| Trichloroethene | <0.6677 | 45.96 | 38.41 | 84 | 49-145 |
| Toluene | <0.7022 | 45.96 | 37.77 | 82 | 51-120 |
| Chlorobenzene | <0.5757 | 45.96 | 33.11 | 72 | 47-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 93 | 78-134 |
| 1,2-Dichloroethane-d4 | 101 | 80-138 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 108 | 78-123 |

Type: MSD  Diln Fac: 0.9208
Lab ID: QC794527

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.04 | 35.21 | 76 | 56-133 | 2 | 46 |
| Benzene | 46.04 | 38.71 | 84 | 57-120 | 1 | 44 |
| Trichloroethene | 46.04 | 38.28 | 83 | 49-145 | 1 | 46 |
| Toluene | 46.04 | 38.54 | 84 | 51-120 | 2 | 47 |
| Chlorobenzene | 46.04 | 33.74 | 73 | 47-120 | 2 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 93 | 78-134 |
| 1,2-Dichloroethane-d4 | 99 | 80-138 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 106 | 78-123 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-014-0-0.5 | Basis: | as received |
| Lab ID: | 267770-001 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 2.2 | 0.45 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.7 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 150 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.44 | 0.091 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.58 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 33 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.0 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 35 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 710 | 23 | 100.0 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.16 | 0.017 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 1.3 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 35 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.45 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.45 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 37 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 420 | 0.91 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-014-1.5-2 | Basis: | as received |
| Lab ID: | 267770-002 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 1.5 | 0.46 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.5 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.45 | 0.093 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.61 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 30 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 9.1 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 39 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 1,100 | 23 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.15 | 0.017 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 1.6 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 38 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.46 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.46 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 39 | 0.23 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 580 | 93 | 100.0 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-010-0-0.5 | Basis: | as received |
| Lab ID: | 267770-003 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 2.4 | 0.47 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Arsenic | 5.6 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 170 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.42 | 0.094 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.68 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 43 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.5 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 40 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 1,200 | 24 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.28 | 0.016 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 2.3 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 39 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.47 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.47 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 41 | 0.24 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 700 | 94 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-010-1.5-2 | Basis: | as received |
| Lab ID: | 267770-004 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 1.4 | 0.55 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.7 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 160 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.48 | 0.11 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.52 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 30 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.9 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 34 | 0.28 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 1,100 | 27 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.17 | 0.018 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 1.4 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 35 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.55 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.55 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 38 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 470 | 1.1 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-007-0-0.5 | Basis: | as received |
| Lab ID: | 267770-005 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 2.2 | 0.51 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Arsenic | 26 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 110 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.75 | 0.10 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 12 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 6.3 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 20 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 77 | 0.25 | 1.000 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.081 | 0.017 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 0.37 | 0.25 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Nickel | 23 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.51 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.51 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 23 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 1,600 | 100 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-007-1.5-2 | Basis: | as received |
| Lab ID: | 267770-006 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 1.4 | 0.50 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 19 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 140 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.76 | 0.10 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 14 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 6.9 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 18 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 48 | 0.25 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.088 | 0.016 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 0.32 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 22 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 26 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 1,300 | 100 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-011-0-0.5 | Basis: | as received |
| Lab ID: | 267770-007 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 2.2 | 0.52 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.9 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 160 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.44 | 0.10 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.67 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 31 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.7 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 39 | 0.27 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 1,200 | 26 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.16 | 0.016 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 1.6 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 39 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.52 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.52 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 42 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 730 | 100 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-011-1.5-2 | Basis: | as received |
| Lab ID: | 267770-008 | Sampled: | 06/24/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|---|
| Antimony | 3.1 | 0.50 | 1.000 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Arsenic | 4.8 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 380 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.42 | 0.099 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.63 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 35 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 8.4 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 42 | 0.26 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 1,200 | 25 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.18 | 0.017 | 1.000 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | 1.6 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 39 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 41 | 0.25 | 1.000 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 750 | 99 | 100.0 | 224599 | 07/05/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-001-0-0.5 | Diln Fac: | 1.000 |
| Lab ID: | 267770-009 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 1.0 | 0.51 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 9.0 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 200 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.45 | 0.10 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.27 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 52 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 14 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 47 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 89 | 0.26 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.016 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 68 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.51 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.51 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 66 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 130 | 1.0 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-001-1.5-2 | Diln Fac: | 1.000 |
| Lab ID: | 267770-010 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 2.0 | 0.54 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.0 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 180 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.42 | 0.11 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 46 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 12 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 42 | 0.28 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 85 | 0.27 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.087 | 0.017 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 61 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.54 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.54 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 61 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 120 | 1.1 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-002-0-0.5 | Diln Fac: | 1.000 |
| Lab ID: | 267770-011 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 3.3 | 0.54 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.4 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 200 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.47 | 0.11 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 52 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 15 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 47 | 0.28 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 72 | 0.27 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.016 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 71 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.54 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.54 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 68 | 0.27 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 130 | 1.1 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-002-1.5-2 | Diln Fac: | 1.000 |
| Lab ID: | 267770-012 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 2.2 | 0.47 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.5 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 190 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.46 | 0.094 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 56 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 14 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 45 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 77 | 0.24 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.16 | 0.017 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 73 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.47 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.47 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 63 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 120 | 0.94 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-003-0-0.5 | Diln Fac: | 1.000 |
| Lab ID: | 267770-013 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 2.6 | 0.48 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 7.9 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 190 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.45 | 0.095 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.26 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 54 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 13 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 45 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 75 | 0.24 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.085 | 0.016 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 65 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.48 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.48 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 67 | 0.24 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 130 | 0.95 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Project#: | STANDARD |
| Client: | SLR International | Location: | rsr |
| Field ID: | SSCC-15-003-1.5-2 | Diln Fac: | 1.000 |
| Lab ID: | 267770-014 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 1.4 | 0.50 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.9 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Barium | 200 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.47 | 0.10 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cadmium | 0.27 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Chromium | 56 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Cobalt | 15 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Copper | 48 | 0.26 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Lead | 76 | 0.25 | 224599 | 06/30/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.092 | 0.017 | 224585 | 06/29/15 | METHOD | EPA 7471A |
| Molybdenum | ND | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Nickel | 74 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.50 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.50 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Vanadium | 68 | 0.25 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |
| Zinc | 140 | 1.0 | 224599 | 06/29/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Type: | BLANK | Batch#: | 224585 |
| Lab ID: | QC793618 | Prepared: | 06/29/15 |
| Matrix: | Soil | Analyzed: | 06/29/15 |
| Units: | mg/Kg | | |

| Result | RL |
|---|---|
| ND | 0.017 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Batch#: | 224585 |
| Matrix: | Soil | Prepared: | 06/29/15 |
| Units: | mg/Kg | Analyzed: | 06/29/15 |
| Diln Fac: | 1.000 | | |

| Type | Lab ID | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|
| BS | QC793619 | 0.2083 | 0.2074 | 100 | 80-120 | | |
| BSD | QC793620 | 0.2083 | 0.2065 | 99 | 80-120 | 0 | 20 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Field ID: | SSCC-15-003-1.5-2 | Batch#: | 224585 |
| MSS Lab ID: | 267770-014 | Sampled: | 06/25/15 |
| Matrix: | Soil | Received: | 06/25/15 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Basis: | as received | Analyzed: | 06/29/15 |

| Type | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|---|
| MS | QC793621 | 0.09151 | 0.2232 | 0.3509 | 116 | 69-142 | | |
| MSD | QC793622 | | 0.2119 | 0.2965 | 97 | 69-142 | 13 | 36 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC793674 | Batch#: | 224599 |
| Matrix: | Soil | Prepared: | 06/29/15 |
| Units: | mg/Kg | Analyzed: | 06/29/15 |

| Analyte | Result | RL |
|---|---|---|
| Antimony | ND | 0.50 |
| Arsenic | ND | 0.25 |
| Barium | ND | 0.25 |
| Beryllium | ND | 0.10 |
| Cadmium | ND | 0.25 |
| Chromium | ND | 0.25 |
| Cobalt | ND | 0.25 |
| Copper | ND | 0.26 |
| Lead | ND | 0.25 |
| Molybdenum | ND | 0.25 |
| Nickel | ND | 0.25 |
| Selenium | ND | 0.50 |
| Silver | ND | 0.25 |
| Thallium | ND | 0.50 |
| Vanadium | ND | 0.25 |
| Zinc | ND | 1.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Matrix: | Soil | Batch#: | 224599 |
| Units: | mg/Kg | Prepared: | 06/29/15 |
| Diln Fac: | 5.000 | | |

Type: BS Lab ID: QC793675

| Analyte | Spiked | Result | %REC | Limits | Analyzed |
|---|---|---|---|---|---|
| Antimony | 50.00 | 49.14 | 98 | 80-120 | 06/29/15 |
| Arsenic | 50.00 | 51.66 | 103 | 80-120 | 06/29/15 |
| Barium | 50.00 | 49.25 | 99 | 80-120 | 06/29/15 |
| Beryllium | 50.00 | 50.99 | 102 | 80-120 | 06/29/15 |
| Cadmium | 50.00 | 48.61 | 97 | 80-120 | 06/29/15 |
| Chromium | 50.00 | 55.47 | 111 | 80-120 | 06/29/15 |
| Cobalt | 50.00 | 48.83 | 98 | 80-120 | 06/29/15 |
| Copper | 50.00 | 49.47 | 99 | 80-120 | 06/29/15 |
| Lead | 50.00 | 50.89 | 102 | 80-120 | 07/01/15 |
| Molybdenum | 50.00 | 50.98 | 102 | 80-120 | 06/29/15 |
| Nickel | 50.00 | 48.01 | 96 | 80-120 | 06/29/15 |
| Selenium | 50.00 | 50.42 | 101 | 80-120 | 06/29/15 |
| Silver | 50.00 | 48.46 | 97 | 80-120 | 06/29/15 |
| Thallium | 50.00 | 54.23 | 108 | 80-120 | 06/29/15 |
| Vanadium | 50.00 | 50.79 | 102 | 80-120 | 06/29/15 |
| Zinc | 50.00 | 53.88 | 108 | 80-120 | 06/29/15 |

Type: BSD Lab ID: QC793676

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | 50.00 | 45.81 | 92 | 80-120 | 7 | 20 | 06/29/15 |
| Arsenic | 50.00 | 47.06 | 94 | 80-120 | 9 | 20 | 06/29/15 |
| Barium | 50.00 | 46.19 | 92 | 80-120 | 6 | 20 | 06/29/15 |
| Beryllium | 50.00 | 48.05 | 96 | 80-120 | 6 | 20 | 06/29/15 |
| Cadmium | 50.00 | 45.79 | 92 | 80-120 | 6 | 20 | 06/29/15 |
| Chromium | 50.00 | 51.16 | 102 | 80-120 | 8 | 20 | 06/29/15 |
| Cobalt | 50.00 | 45.07 | 90 | 80-120 | 8 | 20 | 06/29/15 |
| Copper | 50.00 | 46.20 | 92 | 80-120 | 7 | 20 | 06/29/15 |
| Lead | 50.00 | 57.38 | 115 | 80-120 | 12 | 20 | 07/01/15 |
| Molybdenum | 50.00 | 47.36 | 95 | 80-120 | 7 | 20 | 06/29/15 |
| Nickel | 50.00 | 44.42 | 89 | 80-120 | 8 | 20 | 06/29/15 |
| Selenium | 50.00 | 45.77 | 92 | 80-120 | 10 | 20 | 06/29/15 |
| Silver | 50.00 | 45.11 | 90 | 80-120 | 7 | 20 | 06/29/15 |
| Thallium | 50.00 | 50.51 | 101 | 80-120 | 7 | 20 | 06/29/15 |
| Vanadium | 50.00 | 48.14 | 96 | 80-120 | 5 | 20 | 06/29/15 |
| Zinc | 50.00 | 49.66 | 99 | 80-120 | 8 | 20 | 06/29/15 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267770 | Location: | rsr |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 5.000 |
| MSS Lab ID: | 267722-001 | Batch#: | 224599 |
| Matrix: | Soil | Sampled: | 06/23/15 |
| Units: | mg/Kg | Received: | 06/24/15 |
| Basis: | as received | Prepared: | 06/29/15 |

Type: MS Lab ID: QC793677

| Analyte | MSS Result | Spiked | Result | %REC | Limits | Analyzed |
|---|---|---|---|---|---|---|
| Antimony | 1.173 | 45.45 | 17.46 | 36 | 15-120 | 06/29/15 |
| Arsenic | 7.037 | 45.45 | 48.70 | 92 | 69-120 | 06/29/15 |
| Barium | 88.26 | 45.45 | 114.7 | 58 | 35-154 | 06/29/15 |
| Beryllium | 0.3017 | 45.45 | 44.12 | 96 | 75-120 | 06/29/15 |
| Cadmium | <0.01466 | 45.45 | 42.41 | 93 | 71-120 | 06/29/15 |
| Chromium | 17.21 | 45.45 | 60.35 | 95 | 57-133 | 06/29/15 |
| Cobalt | 5.847 | 45.45 | 46.62 | 90 | 56-125 | 06/29/15 |
| Copper | 13.24 | 45.45 | 52.23 | 86 | 54-144 | 06/29/15 |
| Lead | 19.52 | 45.45 | 63.56 | 97 | 53-125 | 07/01/15 |
| Molybdenum | <0.05151 | 45.45 | 40.50 | 89 | 66-120 | 06/29/15 |
| Nickel | 16.80 | 45.45 | 52.42 | 78 | 44-141 | 06/29/15 |
| Selenium | <0.1342 | 45.45 | 38.77 | 85 | 61-120 | 06/29/15 |
| Silver | <0.06858 | 45.45 | 40.33 | 89 | 69-120 | 06/29/15 |
| Thallium | <0.1496 | 45.45 | 46.75 | 103 | 59-120 | 06/29/15 |
| Vanadium | 39.68 | 45.45 | 76.64 | 81 | 52-144 | 06/29/15 |
| Zinc | 46.79 | 45.45 | 79.53 | 72 | 45-145 | 06/29/15 |

Type: MSD Lab ID: QC793678

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | 48.54 | 18.57 | 36 | 15-120 | 0 | 41 | 06/29/15 |
| Arsenic | 48.54 | 52.65 | 94 | 69-120 | 2 | 35 | 06/29/15 |
| Barium | 48.54 | 126.4 | 78 | 35-154 | 7 | 36 | 06/29/15 |
| Beryllium | 48.54 | 47.81 | 98 | 75-120 | 1 | 20 | 06/29/15 |
| Cadmium | 48.54 | 46.18 | 95 | 71-120 | 2 | 25 | 06/29/15 |
| Chromium | 48.54 | 65.65 | 100 | 57-133 | 4 | 33 | 06/29/15 |
| Cobalt | 48.54 | 51.26 | 94 | 56-125 | 4 | 36 | 06/29/15 |
| Copper | 48.54 | 57.21 | 91 | 54-144 | 4 | 38 | 06/29/15 |
| Lead | 48.54 | 65.45 | 95 | 53-125 | 2 | 42 | 07/01/15 |
| Molybdenum | 48.54 | 43.17 | 89 | 66-120 | 0 | 20 | 06/29/15 |
| Nickel | 48.54 | 57.32 | 83 | 44-141 | 4 | 39 | 06/29/15 |
| Selenium | 48.54 | 44.68 | 92 | 61-120 | 8 | 33 | 06/29/15 |
| Silver | 48.54 | 44.04 | 91 | 69-120 | 2 | 22 | 06/29/15 |
| Thallium | 48.54 | 49.63 | 102 | 59-120 | 1 | 27 | 06/29/15 |
| Vanadium | 48.54 | 82.60 | 88 | 52-144 | 4 | 29 | 06/29/15 |
| Zinc | 48.54 | 84.86 | 78 | 45-145 | 3 | 39 | 06/29/15 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 267831**
**ANALYTICAL REPORT**

| | |
|---|---|
| SLR International<br>110 11th Street<br>Oakland, CA 94607 | Project : STANDARD<br>Location : RSR<br>Level : II |

| Sample ID | Lab ID |
|---|---|
| SSCC-15-008-0-0.5 | 267831-001 |
| SSCC-15-008-1.5-2 | 267831-002 |
| SSCC-15-009-0-0.5 | 267831-003 |
| SSCC-15-009-1.5-2 | 267831-004 |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Mikelle Chong  Date: 07/07/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

# CASE NARRATIVE

| | |
|---|---|
| Laboratory number: | **267831** |
| Client: | **SLR International** |
| Location: | **RSR** |
| Request Date: | **06/29/15** |
| Samples Received: | **06/29/15** |

This data package contains sample and QC results for four soil samples, requested for the above referenced project on 06/29/15. The samples were received on ice and intact, directly from the field.

**TPH-Purgeables and/or BTXE by GC (EPA 8015B):**
No analytical problems were encountered.

**TPH-Extractables by GC (EPA 8015B):**
Low recoveries were observed for diesel C10-C24 in the MS/MSD for batch 224665; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. SSCC-15-008-0-0.5 (lab # 267831-001) and SSCC-15-009-1.5-2 (lab # 267831-004) were diluted due to the dark and viscous nature of the sample extracts. No other analytical problems were encountered.

**Volatile Organics by GC/MS (EPA 8260B):**
Matrix spikes were not performed for this analysis in batch 224764 due to insufficient sample amount. High recovery was observed for trichloroethene in the MS for batch 224721; the parent sample was not a project sample, the LCS was within limits, and this analyte was not detected at or above the RL in the associated samples. High RPD was also observed for trichloroethene in the MS/MSD for batch 224721; this analyte was not detected at or above the RL in the associated samples. High surrogate recovery was observed for dibromofluoromethane in SSCC-15-008-1.5-2 (lab # 267831-002); no target analytes were detected in the sample. High surrogate recoveries were observed for 1,2-dichloroethane-d4 in SSCC-15-008-0-0.5 (lab # 267831-001) and SSCC-15-008-1.5-2 (lab # 267831-002); no target analytes were detected in these samples. No other analytical problems were encountered.

**Metals (EPA 6010B and EPA 7471A):**
High recovery was observed for vanadium in the MSD for batch 224727; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

# CHAIN OF CUSTODY



Chain of Custody # _____

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 267831

Project No:

Project Name: RSR

Project P. O. No:

EDD Format: Report Level ☐ II ☐ III ☐ IV

Turnaround Time: ☐ RUSH _____ ☐ Standard

Sampler: MARK TREVOR

Report To: MARK TREVOR

Company: SLR

Telephone: 510-451-1761

Email: mtrevor@slrconsulting.com

ANALYTICAL REQUEST

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | MATRIX | MATRIX | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | 8260B | DRO 8260B | MOTOR OIL | CAM 17 METALS | VOC's by 8260B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SSCC-15-008-0-0.5 | 6-29-15 | 1015 | | X | | | 2 | | | | | X | X | X | X | X | X |
| 2 | SSCC-15-008-1.5-2 | ↓ | 1020 | | X | | | ↓ | | | | | | ↓ | ↓ | ↓ | ↓ | ↓ |
| 3 | SSCC-15-009-0-0.5 | | 1045 | | X | | | | | | | | | | | | | |
| 4 | SSCC-15-009-1.5-2 | | 1050 | | X | | | | | | | | | | | | | |

Notes:

SAMPLE RECEIPT
☐ Intact
☒ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 6/29 TIME: 1102
DATE: TIME:
DATE: TIME:

RECEIVED BY:
DATE: 6/29 TIME: 1102
DATE: TIME:
DATE: TIME:

**COOLER RECEIPT CHECKLIST**

Curtis & Tompkins, Ltd.

Login # 267831 Date Received 6/29/15 Number of coolers 1
Client SLRI Project RSR

Date Opened 6/29 By (print) FB (sign) [illegible]
Date Logged in 6/29 By (print) FB (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES ~~NO~~
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO ~~N/A~~
3. Were custody papers dry and intact when received? _____ ~~YES~~ NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ ~~YES~~ NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ ~~YES~~ NO
6. Indicate the packing in cooler: (if other, describe) _____

   ☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

   Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 4.4

   ☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

   ☒ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES ~~NO~~
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ ~~YES~~ NO
10. Are there any missing / extra samples? _____ YES ~~NO~~
11. Are samples in the appropriate containers for indicated tests? _____ ~~YES~~ NO
12. Are sample labels present, in good condition and complete? _____ ~~YES~~ NO
13. Do the sample labels agree with custody papers? _____ ~~YES~~ NO
14. Was sufficient amount of sample sent for tests requested? _____ ~~YES~~ NO
15. Are the samples appropriately preserved? _____ YES NO ~~N/A~~
16. Did you check preservatives for all bottles for each sample? _____ YES NO ~~N/A~~
17. Did you document your preservative check? _____ YES NO ~~N/A~~
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO ~~N/A~~
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO ~~N/A~~
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO ~~N/A~~
21. Was the client contacted concerning this sample delivery? _____ YES ~~NO~~
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

Rev 10, 9/12

Curtis & Tompkins, Ltd.

# Detections Summary for 267831

Results for any subcontracted analyses are not included in this summary.

Client : SLR International
Project : STANDARD
Location : RSR

## Client Sample ID : SSCC-15-008-0-0.5 Laboratory Sample ID : 267831-001

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 940 | Y | 10 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 1,200 | | 50 | mg/Kg | As Recd | 10.00 | EPA 8015B | EPA 3550B |
| Antimony | 1.1 | | 0.45 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 8.7 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 110 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.59 | | 0.091 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 14 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 3.7 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 16 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 46 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.11 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.43 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 18 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 29 | | 0.23 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 160 | | 0.91 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

## Client Sample ID : SSCC-15-008-1.5-2 Laboratory Sample ID : 267831-002

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 4.1 | Y | 0.95 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 5030B |
| Diesel C10-C24 | 26 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 54 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| para-Isopropyl Toluene | 420 | | 24 | ug/Kg | As Recd | 4.854 | EPA 8260B | EPA 5030B |
| Antimony | 0.83 | | 0.49 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 6.7 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 470 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.80 | | 0.098 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 13 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 3.8 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 13 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 25 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.40 | | 0.016 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.31 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 15 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 22 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 61 | | 0.98 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Curtis & Tompkins, Ltd.

Client Sample ID : SSCC-15-009-0-0.5 Laboratory Sample ID : 267831-003

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 21 | Y | 1.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 66 | | 5.0 | mg/Kg | As Recd | 1.000 | EPA 8015B | EPA 3550B |
| Antimony | 0.84 | | 0.51 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 5.7 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 170 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.65 | | 0.10 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 15 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 3.5 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 13 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 46 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.26 | | 0.017 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.39 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 15 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 23 | | 0.25 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 74 | | 1.0 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Client Sample ID : SSCC-15-009-1.5-2 Laboratory Sample ID : 267831-004

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Diesel C10-C24 | 260 | Y | 5.0 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| Motor Oil C24-C36 | 390 | | 25 | mg/Kg | As Recd | 5.000 | EPA 8015B | EPA 3550B |
| para-Isopropyl Toluene | 5.9 | | 4.8 | ug/Kg | As Recd | 0.9524 | EPA 8260B | EPA 5030B |
| Antimony | 0.97 | | 0.48 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Arsenic | 7.1 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Barium | 110 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Beryllium | 0.63 | | 0.096 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Chromium | 13 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Cobalt | 3.9 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Copper | 13 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Lead | 42 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Mercury | 0.078 | | 0.018 | mg/Kg | As Recd | 1.000 | EPA 7471A | METHOD |
| Molybdenum | 0.29 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Nickel | 17 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Vanadium | 29 | | 0.24 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |
| Zinc | 130 | | 0.96 | mg/Kg | As Recd | 1.000 | EPA 6010B | EPA 3050B |

Y = Sample exhibits chromatographic pattern which does not resemble standard

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 224579 |
| Units: | mg/Kg | Sampled: | 06/29/15 |
| Basis: | as received | Received: | 06/29/15 |
| Diln Fac: | 1.000 | | |

Field ID: SSCC-15-008-0-0.5 Lab ID: 267831-001
Type: SAMPLE Analyzed: 06/30/15

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 108 | 78-138 |

Field ID: SSCC-15-008-1.5-2 Lab ID: 267831-002
Type: SAMPLE Analyzed: 06/30/15

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 4.1 Y | 0.95 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 110 | 78-138 |

Field ID: SSCC-15-009-0-0.5 Lab ID: 267831-003
Type: SAMPLE Analyzed: 06/30/15

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 113 | 78-138 |

Field ID: SSCC-15-009-1.5-2 Lab ID: 267831-004
Type: SAMPLE Analyzed: 06/30/15

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 110 | 78-138 |

Type: BLANK Analyzed: 06/29/15
Lab ID: QC793596

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 119 | 78-138 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 224579 |
| Units: | mg/Kg | Analyzed: | 06/29/15 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC793594

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 0.9828 | 98 | 80-121 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 110 | 78-138 |

Type: BSD Lab ID: QC793595

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 1.000 | 0.9942 | 99 | 80-121 | 1 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 102 | 78-138 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 1.000 |
| MSS Lab ID: | 267836-001 | Batch#: | 224579 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | mg/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 06/29/15 |

Type: MS Lab ID: QC793720

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.1154 | 10.31 | 8.325 | 80 | 50-120 |

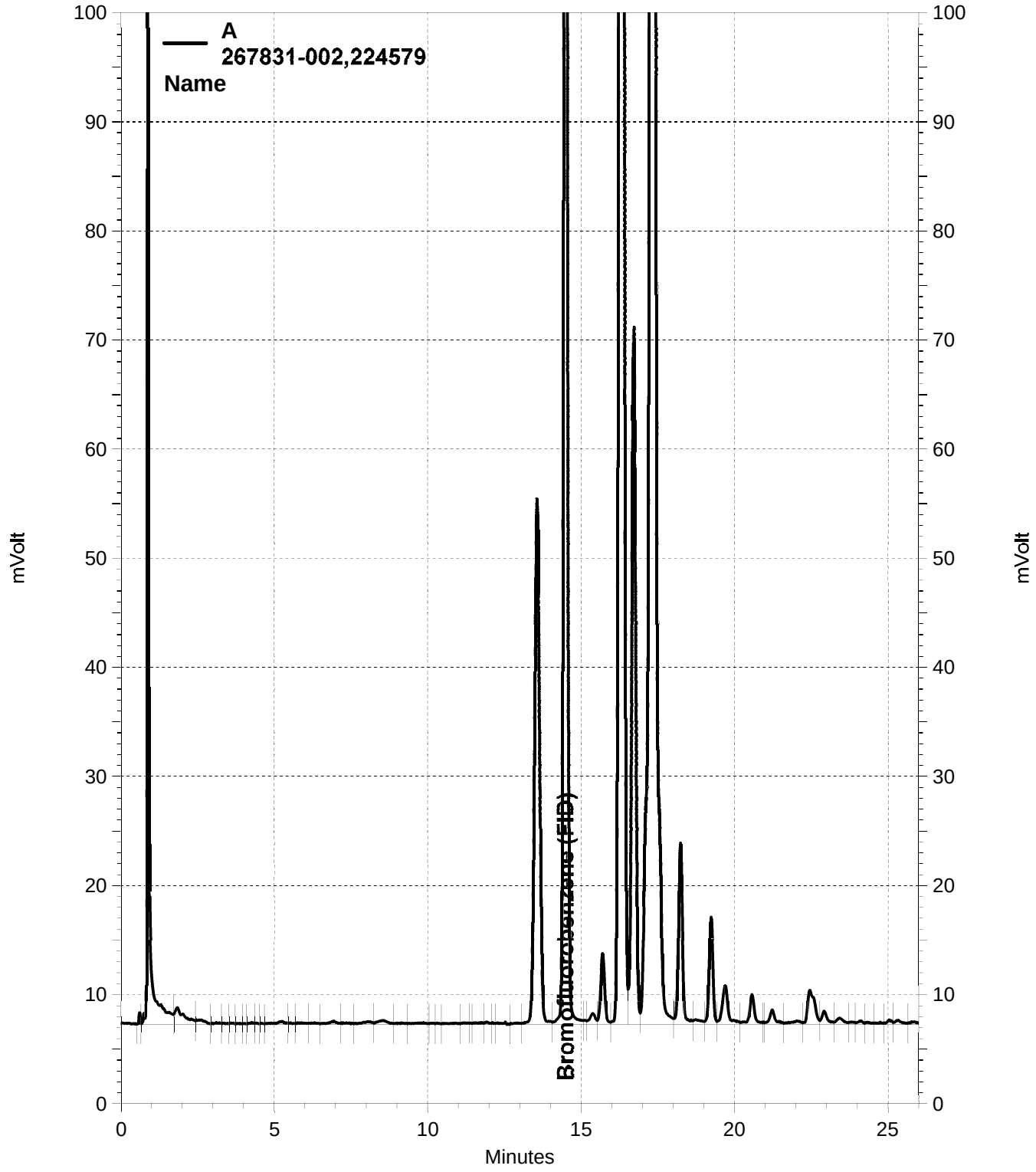
| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 120 | 78-138 |

Type: MSD Lab ID: QC793721

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 10.20 | 8.186 | 79 | 50-120 | 1 | 31 |

| Surrogate | %REC | Limits |
|---|---|---|
| Bromofluorobenzene (FID) | 126 | 78-138 |

RPD= Relative Percent Difference

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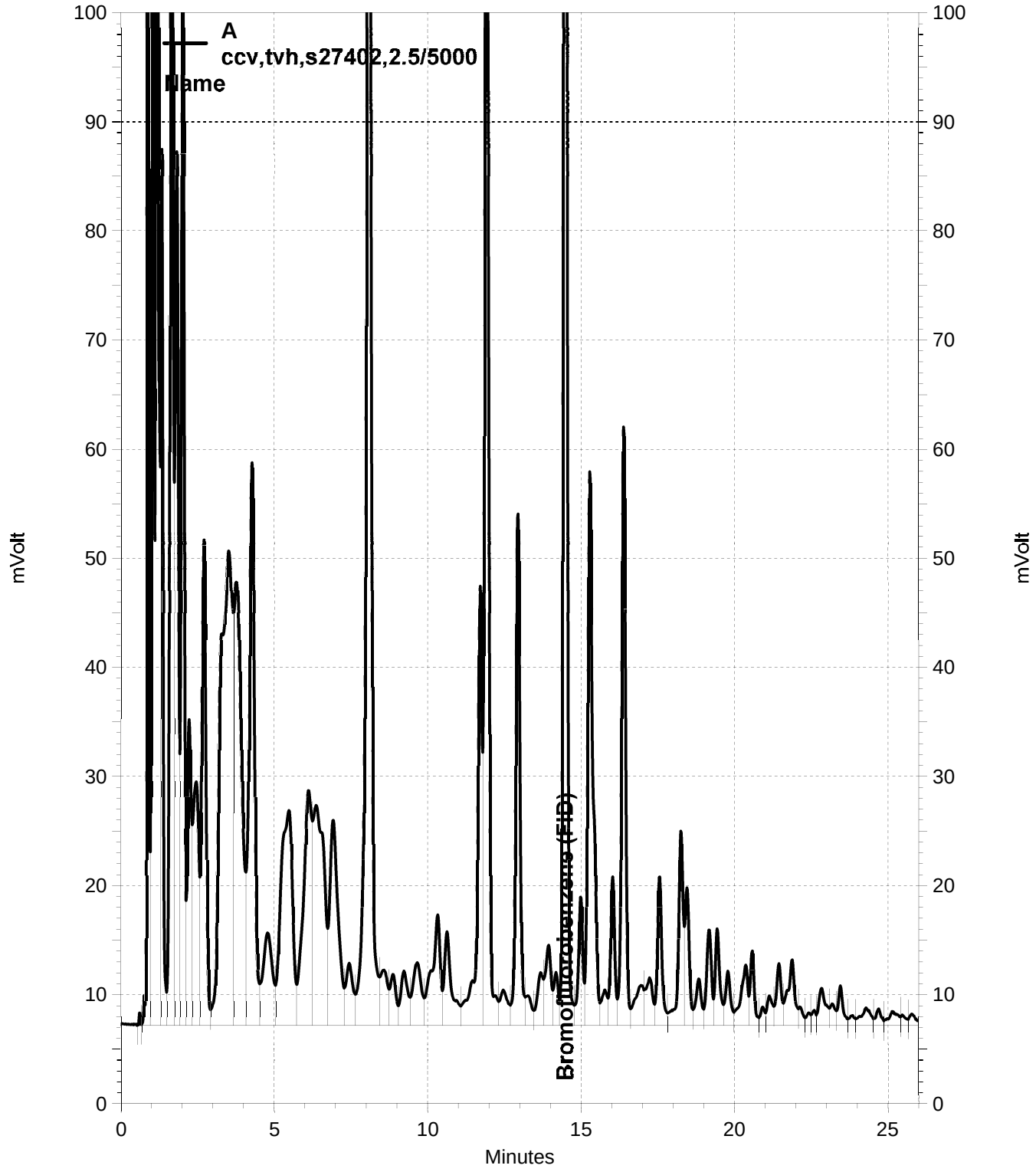


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Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | mg/Kg | Received: | 06/29/15 |
| Basis: | as received | Prepared: | 06/30/15 |
| Batch#: | 224665 | Analyzed: | 07/01/15 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-008-0-0.5 | Lab ID: | 267831-001 |
| Type: | SAMPLE | Diln Fac: | 10.00 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 940 Y | 10 |
| Motor Oil C24-C36 | 1,200 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | DO | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-008-1.5-2 | Lab ID: | 267831-002 |
| Type: | SAMPLE | Diln Fac: | 1.000 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 26 Y | 1.0 |
| Motor Oil C24-C36 | 54 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 96 | 59-140 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-009-0-0.5 | Lab ID: | 267831-003 |
| Type: | SAMPLE | Diln Fac: | 1.000 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 21 Y | 1.0 |
| Motor Oil C24-C36 | 66 | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 103 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | mg/Kg | Received: | 06/29/15 |
| Basis: | as received | Prepared: | 06/30/15 |
| Batch#: | 224665 | Analyzed: | 07/01/15 |

| | | | |
|---|---|---|---|
| Field ID: | SSCC-15-009-1.5-2 | Lab ID: | 267831-004 |
| Type: | SAMPLE | Diln Fac: | 5.000 |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 260 Y | 5.0 |
| Motor Oil C24-C36 | 390 | 25 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 65 | 59-140 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC793934 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |
| Motor Oil C24-C36 | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 121 | 59-140 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC793935 | Batch#: | 224665 |
| Matrix: | Soil | Prepared: | 06/30/15 |
| Units: | mg/Kg | Analyzed: | 07/01/15 |

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 50.22 | 40.45 | 81 | 58-137 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 80 | 59-140 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3550B |
| Project#: | STANDARD | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 224665 |
| MSS Lab ID: | 267836-002 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | mg/Kg | Prepared: | 06/30/15 |
| Basis: | as received | Analyzed: | 07/01/15 |
| Diln Fac: | 1.000 | | |

Type: MS  Cleanup Method: EPA 3630C
Lab ID: QC793936

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 62.10 | 50.08 | 63.29 | 2 * | 46-154 |

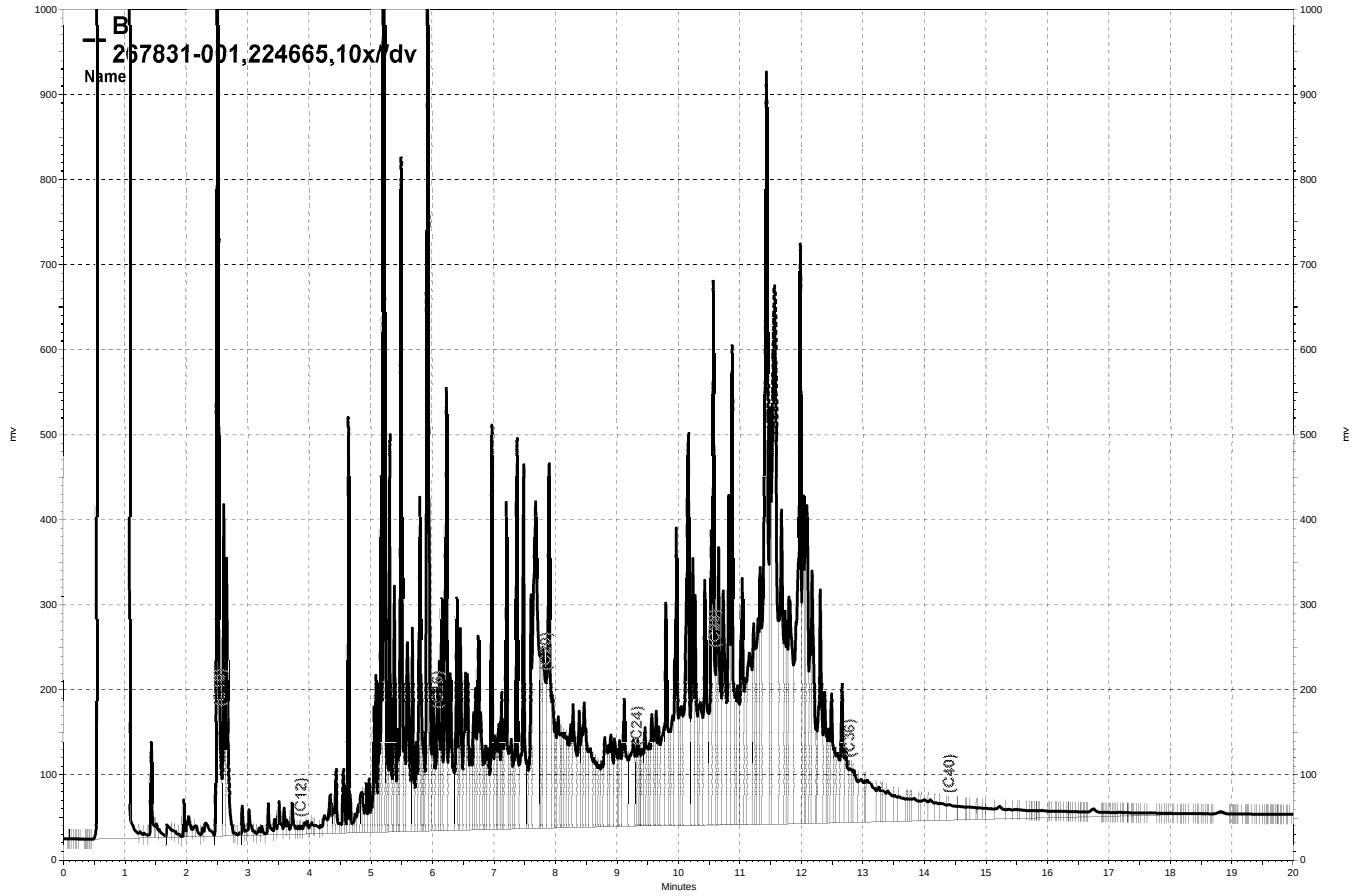
| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 75 | 59-140 |

Type: MSD  Cleanup Method: EPA 3630C
Lab ID: QC793937

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 49.69 | 66.99 | 10 * | 46-154 | 6 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| o-Terphenyl | 85 | 59-140 |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

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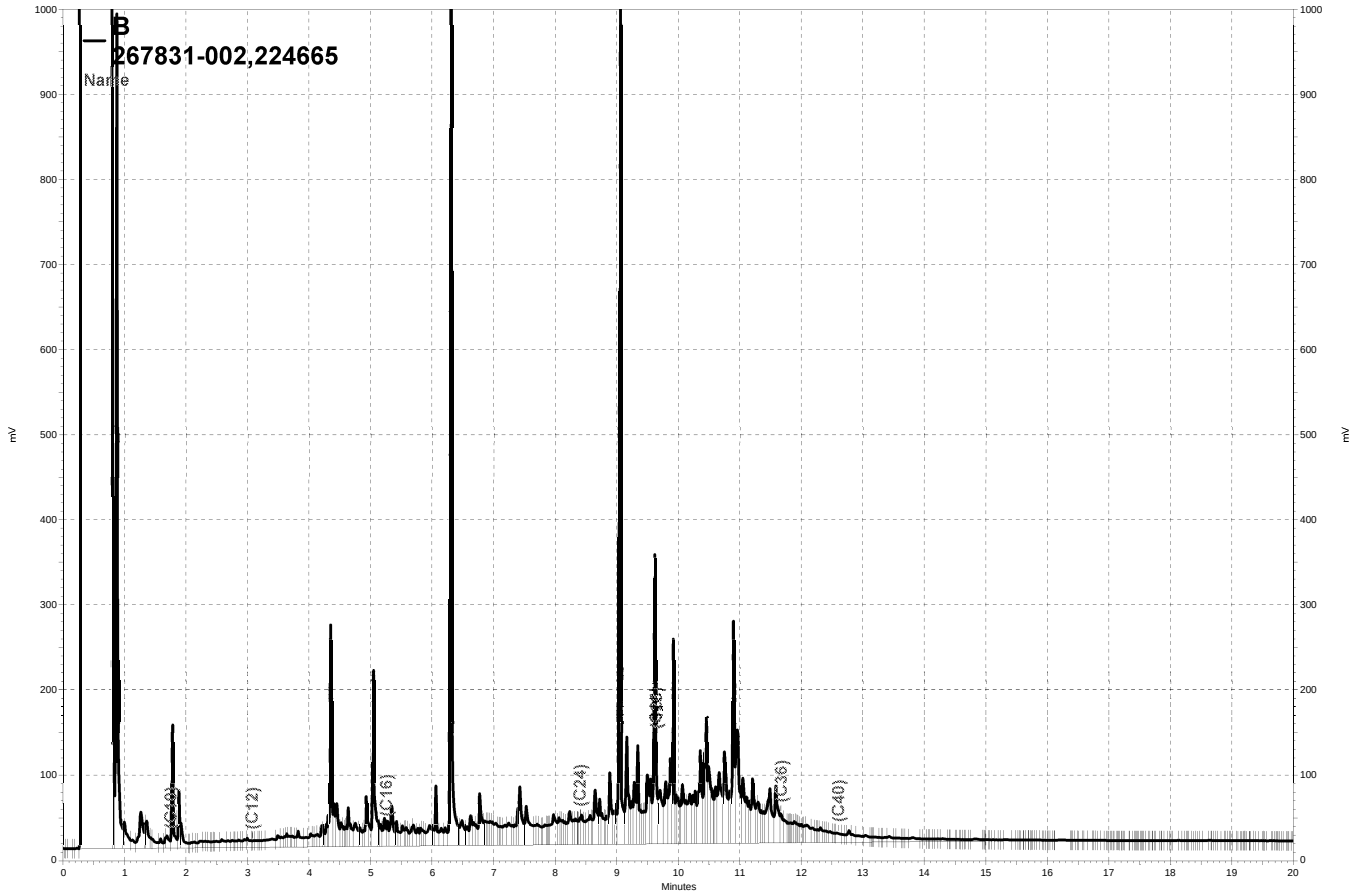


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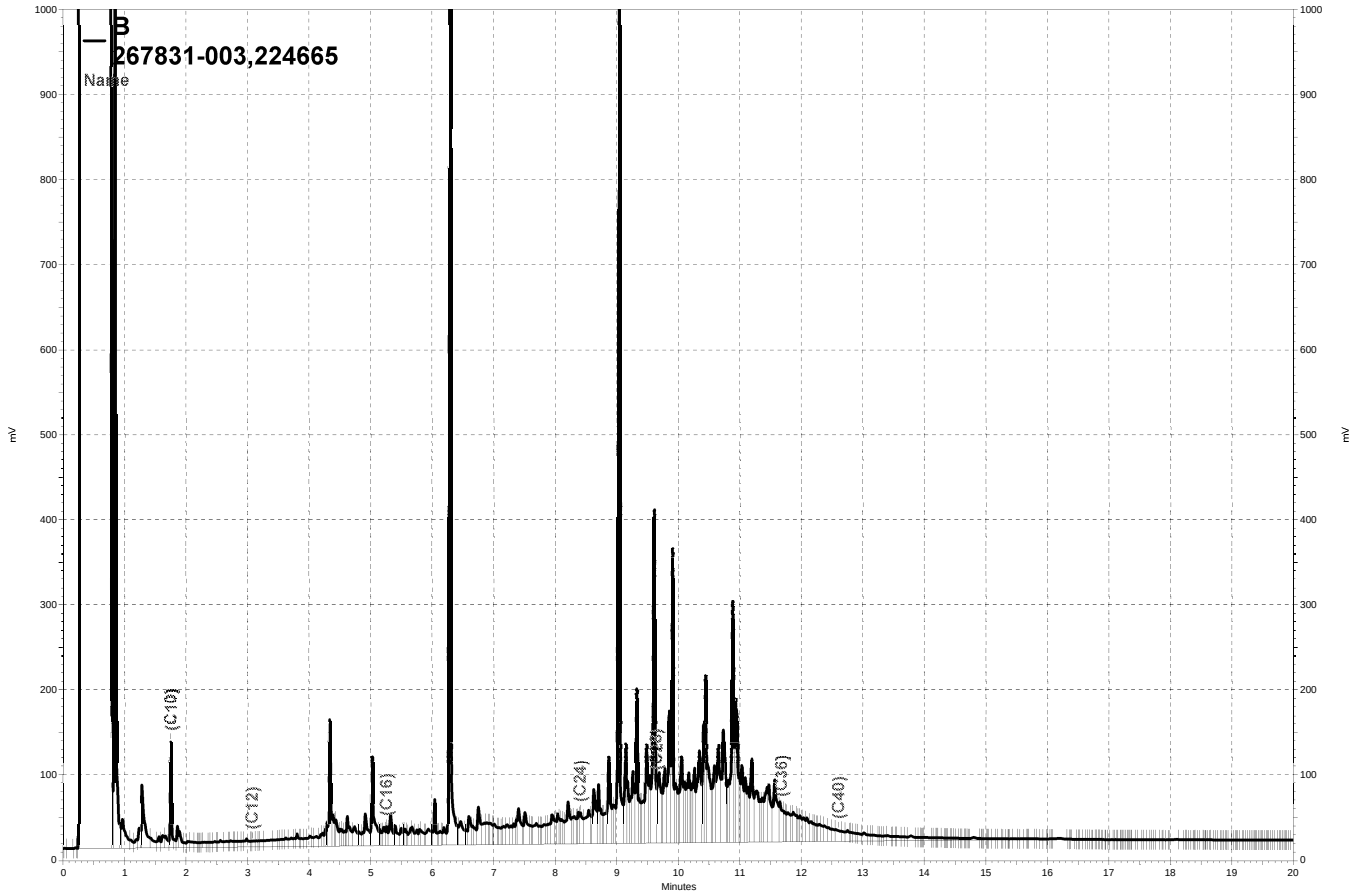


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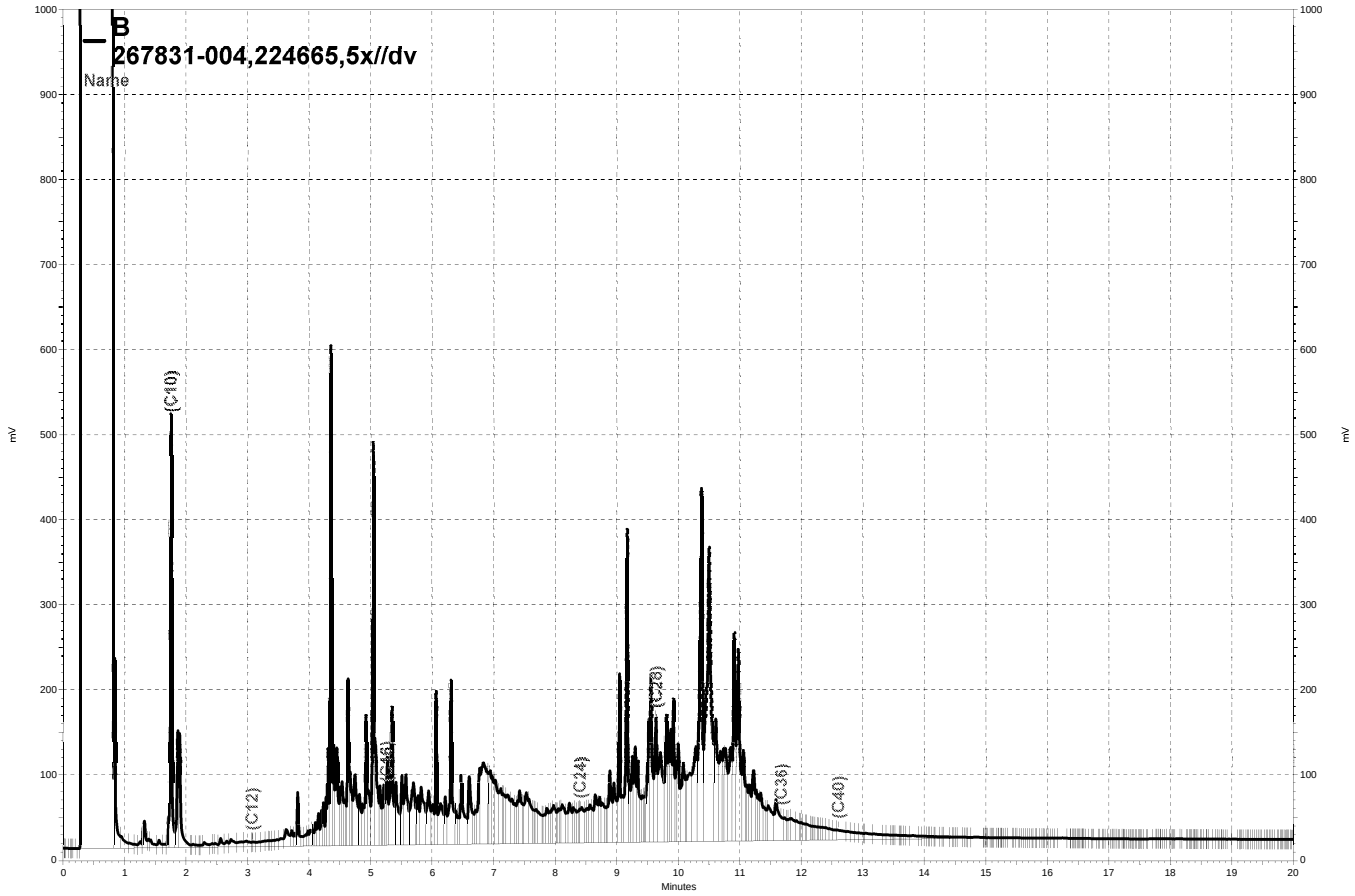


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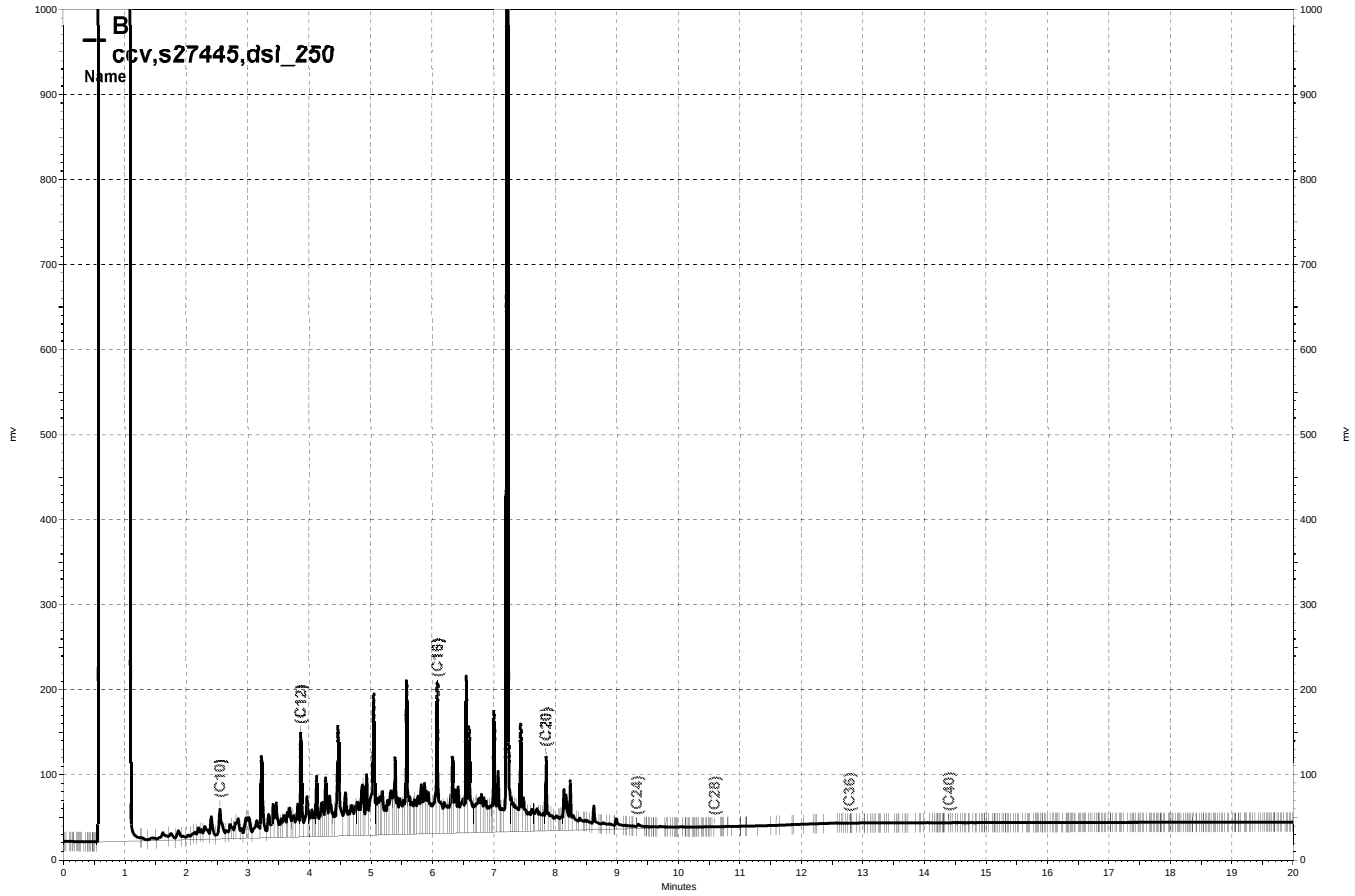


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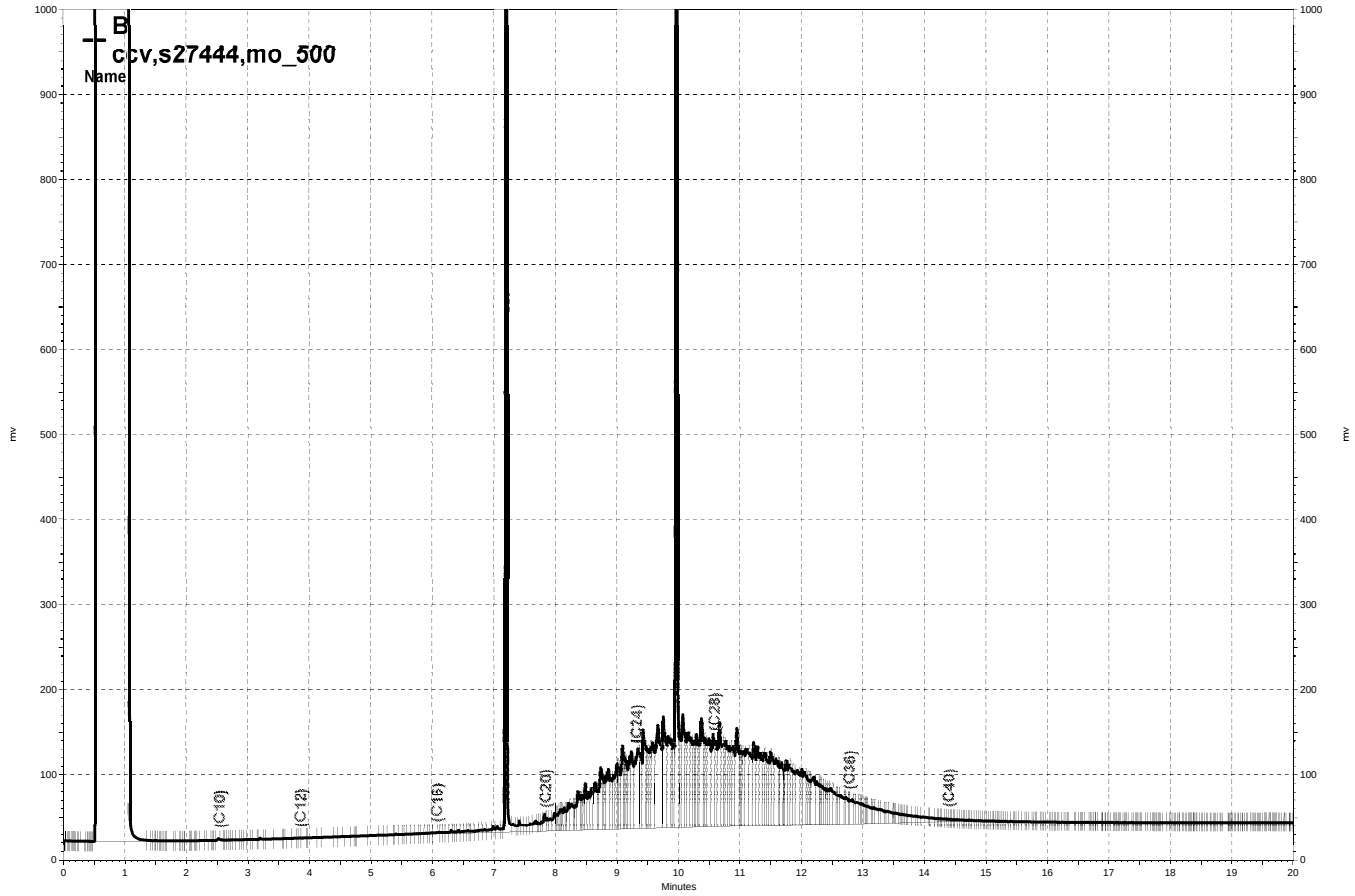


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Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-008-0-0.5 | Diln Fac: | 0.9785 |
| Lab ID: | 267831-001 | Batch#: | 224721 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | ug/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.8 |
| Chloromethane | ND | 9.8 |
| Vinyl Chloride | ND | 9.8 |
| Bromomethane | ND | 9.8 |
| Chloroethane | ND | 9.8 |
| Trichlorofluoromethane | ND | 4.9 |
| Acetone | ND | 20 |
| Freon 113 | ND | 4.9 |
| 1,1-Dichloroethene | ND | 4.9 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 4.9 |
| MTBE | ND | 4.9 |
| trans-1,2-Dichloroethene | ND | 4.9 |
| Vinyl Acetate | ND | 49 |
| 1,1-Dichloroethane | ND | 4.9 |
| 2-Butanone | ND | 9.8 |
| cis-1,2-Dichloroethene | ND | 4.9 |
| 2,2-Dichloropropane | ND | 4.9 |
| Chloroform | ND | 4.9 |
| Bromochloromethane | ND | 4.9 |
| 1,1,1-Trichloroethane | ND | 4.9 |
| 1,1-Dichloropropene | ND | 4.9 |
| Carbon Tetrachloride | ND | 4.9 |
| 1,2-Dichloroethane | ND | 4.9 |
| Benzene | ND | 4.9 |
| Trichloroethene | ND | 4.9 |
| 1,2-Dichloropropane | ND | 4.9 |
| Bromodichloromethane | ND | 4.9 |
| Dibromomethane | ND | 4.9 |
| 4-Methyl-2-Pentanone | ND | 9.8 |
| cis-1,3-Dichloropropene | ND | 4.9 |
| Toluene | ND | 4.9 |
| trans-1,3-Dichloropropene | ND | 4.9 |
| 1,1,2-Trichloroethane | ND | 4.9 |
| 2-Hexanone | ND | 9.8 |
| 1,3-Dichloropropane | ND | 4.9 |
| Tetrachloroethene | ND | 4.9 |
| Dibromochloromethane | ND | 4.9 |
| 1,2-Dibromoethane | ND | 4.9 |
| Chlorobenzene | ND | 4.9 |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 |
| Ethylbenzene | ND | 4.9 |
| m,p-Xylenes | ND | 4.9 |
| o-Xylene | ND | 4.9 |
| Styrene | ND | 4.9 |
| Bromoform | ND | 4.9 |
| Isopropylbenzene | ND | 4.9 |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 |
| 1,2,3-Trichloropropane | ND | 4.9 |
| Propylbenzene | ND | 4.9 |
| Bromobenzene | ND | 4.9 |
| 1,3,5-Trimethylbenzene | ND | 4.9 |
| 2-Chlorotoluene | ND | 4.9 |

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-008-0-0.5 | Diln Fac: | 0.9785 |
| Lab ID: | 267831-001 | Batch#: | 224721 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | ug/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| 4-Chlorotoluene | ND | 4.9 |
| tert-Butylbenzene | ND | 4.9 |
| 1,2,4-Trimethylbenzene | ND | 4.9 |
| sec-Butylbenzene | ND | 4.9 |
| para-Isopropyl Toluene | ND | 4.9 |
| 1,3-Dichlorobenzene | ND | 4.9 |
| 1,4-Dichlorobenzene | ND | 4.9 |
| n-Butylbenzene | ND | 4.9 |
| 1,2-Dichlorobenzene | ND | 4.9 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.9 |
| 1,2,4-Trichlorobenzene | ND | 4.9 |
| Hexachlorobutadiene | ND | 4.9 |
| Naphthalene | ND | 4.9 |
| 1,2,3-Trichlorobenzene | ND | 4.9 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 132 | 78-134 |
| 1,2-Dichloroethane-d4 | 151 * | 80-138 |
| Toluene-d8 | 95 | 80-120 |
| Bromofluorobenzene | 95 | 78-123 |

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-008-1.5-2 | Basis: | as received |
| Lab ID: | 267831-002 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed |
|---|---|---|---|---|---|
| Freon 12 | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| Chloromethane | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| Vinyl Chloride | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| Bromomethane | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| Chloroethane | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| Trichlorofluoromethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Acetone | ND | 19 | 0.9690 | 224721 | 07/02/15 |
| Freon 113 | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,1-Dichloroethene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Methylene Chloride | ND | 19 | 0.9690 | 224721 | 07/02/15 |
| Carbon Disulfide | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| MTBE | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| trans-1,2-Dichloroethene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Vinyl Acetate | ND | 48 | 0.9690 | 224721 | 07/02/15 |
| 1,1-Dichloroethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 2-Butanone | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| cis-1,2-Dichloroethene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 2,2-Dichloropropane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Chloroform | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Bromochloromethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,1,1-Trichloroethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,1-Dichloropropene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Carbon Tetrachloride | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2-Dichloroethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Benzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Trichloroethene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2-Dichloropropane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Bromodichloromethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Dibromomethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 4-Methyl-2-Pentanone | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| cis-1,3-Dichloropropene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Toluene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| trans-1,3-Dichloropropene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,1,2-Trichloroethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 2-Hexanone | ND | 9.7 | 0.9690 | 224721 | 07/02/15 |
| 1,3-Dichloropropane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Tetrachloroethene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-008-1.5-2 | Basis: | as received |
| Lab ID: | 267831-002 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL | Diln Fac | Batch# | Analyzed |
|---|---|---|---|---|---|
| Dibromochloromethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2-Dibromoethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Chlorobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,1,1,2-Tetrachloroethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Ethylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| m,p-Xylenes | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| o-Xylene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Styrene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Bromoform | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Isopropylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2,3-Trichloropropane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Propylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Bromobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,3,5-Trimethylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 2-Chlorotoluene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 4-Chlorotoluene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| tert-Butylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2,4-Trimethylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| sec-Butylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| para-Isopropyl Toluene | 420 | 24 | 4.854 | 224764 | 07/06/15 |
| 1,3-Dichlorobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,4-Dichlorobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| n-Butylbenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2-Dichlorobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2,4-Trichlorobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Hexachlorobutadiene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| Naphthalene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |
| 1,2,3-Trichlorobenzene | ND | 4.8 | 0.9690 | 224721 | 07/02/15 |

| Surrogate | %REC | Limits | Diln Fac | Batch# | Analyzed |
|---|---|---|---|---|---|
| Dibromofluoromethane | 136 * | 78-134 | 0.9690 | 224721 | 07/02/15 |
| 1,2-Dichloroethane-d4 | 145 * | 80-138 | 0.9690 | 224721 | 07/02/15 |
| Toluene-d8 | 96 | 80-120 | 0.9690 | 224721 | 07/02/15 |
| Bromofluorobenzene | 82 | 78-123 | 0.9690 | 224721 | 07/02/15 |

*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-009-0-0.5 | Diln Fac: | 0.9506 |
| Lab ID: | 267831-003 | Batch#: | 224720 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | ug/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.5 |
| Chloromethane | ND | 9.5 |
| Vinyl Chloride | ND | 9.5 |
| Bromomethane | ND | 9.5 |
| Chloroethane | ND | 9.5 |
| Trichlorofluoromethane | ND | 4.8 |
| Acetone | ND | 19 |
| Freon 113 | ND | 4.8 |
| 1,1-Dichloroethene | ND | 4.8 |
| Methylene Chloride | ND | 19 |
| Carbon Disulfide | ND | 4.8 |
| MTBE | ND | 4.8 |
| trans-1,2-Dichloroethene | ND | 4.8 |
| Vinyl Acetate | ND | 48 |
| 1,1-Dichloroethane | ND | 4.8 |
| 2-Butanone | ND | 9.5 |
| cis-1,2-Dichloroethene | ND | 4.8 |
| 2,2-Dichloropropane | ND | 4.8 |
| Chloroform | ND | 4.8 |
| Bromochloromethane | ND | 4.8 |
| 1,1,1-Trichloroethane | ND | 4.8 |
| 1,1-Dichloropropene | ND | 4.8 |
| Carbon Tetrachloride | ND | 4.8 |
| 1,2-Dichloroethane | ND | 4.8 |
| Benzene | ND | 4.8 |
| Trichloroethene | ND | 4.8 |
| 1,2-Dichloropropane | ND | 4.8 |
| Bromodichloromethane | ND | 4.8 |
| Dibromomethane | ND | 4.8 |
| 4-Methyl-2-Pentanone | ND | 9.5 |
| cis-1,3-Dichloropropene | ND | 4.8 |
| Toluene | ND | 4.8 |
| trans-1,3-Dichloropropene | ND | 4.8 |
| 1,1,2-Trichloroethane | ND | 4.8 |
| 2-Hexanone | ND | 9.5 |
| 1,3-Dichloropropane | ND | 4.8 |
| Tetrachloroethene | ND | 4.8 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-009-0-0.5 | Diln Fac: | 0.9506 |
| Lab ID: | 267831-003 | Batch#: | 224720 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | ug/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.8 |
| 1,2-Dibromoethane | ND | 4.8 |
| Chlorobenzene | ND | 4.8 |
| 1,1,1,2-Tetrachloroethane | ND | 4.8 |
| Ethylbenzene | ND | 4.8 |
| m,p-Xylenes | ND | 4.8 |
| o-Xylene | ND | 4.8 |
| Styrene | ND | 4.8 |
| Bromoform | ND | 4.8 |
| Isopropylbenzene | ND | 4.8 |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 |
| 1,2,3-Trichloropropane | ND | 4.8 |
| Propylbenzene | ND | 4.8 |
| Bromobenzene | ND | 4.8 |
| 1,3,5-Trimethylbenzene | ND | 4.8 |
| 2-Chlorotoluene | ND | 4.8 |
| 4-Chlorotoluene | ND | 4.8 |
| tert-Butylbenzene | ND | 4.8 |
| 1,2,4-Trimethylbenzene | ND | 4.8 |
| sec-Butylbenzene | ND | 4.8 |
| para-Isopropyl Toluene | ND | 4.8 |
| 1,3-Dichlorobenzene | ND | 4.8 |
| 1,4-Dichlorobenzene | ND | 4.8 |
| n-Butylbenzene | ND | 4.8 |
| 1,2-Dichlorobenzene | ND | 4.8 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.8 |
| 1,2,4-Trichlorobenzene | ND | 4.8 |
| Hexachlorobutadiene | ND | 4.8 |
| Naphthalene | ND | 4.8 |
| 1,2,3-Trichlorobenzene | ND | 4.8 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 78-134 |
| 1,2-Dichloroethane-d4 | 112 | 80-138 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 114 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-009-1.5-2 | Diln Fac: | 0.9524 |
| Lab ID: | 267831-004 | Batch#: | 224720 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | ug/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.5 |
| Chloromethane | ND | 9.5 |
| Vinyl Chloride | ND | 9.5 |
| Bromomethane | ND | 9.5 |
| Chloroethane | ND | 9.5 |
| Trichlorofluoromethane | ND | 4.8 |
| Acetone | ND | 19 |
| Freon 113 | ND | 4.8 |
| 1,1-Dichloroethene | ND | 4.8 |
| Methylene Chloride | ND | 19 |
| Carbon Disulfide | ND | 4.8 |
| MTBE | ND | 4.8 |
| trans-1,2-Dichloroethene | ND | 4.8 |
| Vinyl Acetate | ND | 48 |
| 1,1-Dichloroethane | ND | 4.8 |
| 2-Butanone | ND | 9.5 |
| cis-1,2-Dichloroethene | ND | 4.8 |
| 2,2-Dichloropropane | ND | 4.8 |
| Chloroform | ND | 4.8 |
| Bromochloromethane | ND | 4.8 |
| 1,1,1-Trichloroethane | ND | 4.8 |
| 1,1-Dichloropropene | ND | 4.8 |
| Carbon Tetrachloride | ND | 4.8 |
| 1,2-Dichloroethane | ND | 4.8 |
| Benzene | ND | 4.8 |
| Trichloroethene | ND | 4.8 |
| 1,2-Dichloropropane | ND | 4.8 |
| Bromodichloromethane | ND | 4.8 |
| Dibromomethane | ND | 4.8 |
| 4-Methyl-2-Pentanone | ND | 9.5 |
| cis-1,3-Dichloropropene | ND | 4.8 |
| Toluene | ND | 4.8 |
| trans-1,3-Dichloropropene | ND | 4.8 |
| 1,1,2-Trichloroethane | ND | 4.8 |
| 2-Hexanone | ND | 9.5 |
| 1,3-Dichloropropane | ND | 4.8 |
| Tetrachloroethene | ND | 4.8 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | SSCC-15-009-1.5-2 | Diln Fac: | 0.9524 |
| Lab ID: | 267831-004 | Batch#: | 224720 |
| Matrix: | Soil | Sampled: | 06/29/15 |
| Units: | ug/Kg | Received: | 06/29/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.8 |
| 1,2-Dibromoethane | ND | 4.8 |
| Chlorobenzene | ND | 4.8 |
| 1,1,1,2-Tetrachloroethane | ND | 4.8 |
| Ethylbenzene | ND | 4.8 |
| m,p-Xylenes | ND | 4.8 |
| o-Xylene | ND | 4.8 |
| Styrene | ND | 4.8 |
| Bromoform | ND | 4.8 |
| Isopropylbenzene | ND | 4.8 |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 |
| 1,2,3-Trichloropropane | ND | 4.8 |
| Propylbenzene | ND | 4.8 |
| Bromobenzene | ND | 4.8 |
| 1,3,5-Trimethylbenzene | ND | 4.8 |
| 2-Chlorotoluene | ND | 4.8 |
| 4-Chlorotoluene | ND | 4.8 |
| tert-Butylbenzene | ND | 4.8 |
| 1,2,4-Trimethylbenzene | ND | 4.8 |
| sec-Butylbenzene | ND | 4.8 |
| para-Isopropyl Toluene | 5.9 | 4.8 |
| 1,3-Dichlorobenzene | ND | 4.8 |
| 1,4-Dichlorobenzene | ND | 4.8 |
| n-Butylbenzene | ND | 4.8 |
| 1,2-Dichlorobenzene | ND | 4.8 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.8 |
| 1,2,4-Trichlorobenzene | ND | 4.8 |
| Hexachlorobutadiene | ND | 4.8 |
| Naphthalene | ND | 4.8 |
| 1,2,3-Trichlorobenzene | ND | 4.8 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 101 | 78-134 |
| 1,2-Dichloroethane-d4 | 116 | 80-138 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 113 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Matrix: | Soil | Batch#: | 224720 |
| Units: | ug/Kg | Analyzed: | 07/02/15 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC794130

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 28.35 | 113 | 70-134 |
| Benzene | 25.00 | 28.76 | 115 | 80-123 |
| Trichloroethene | 25.00 | 28.25 | 113 | 80-128 |
| Toluene | 25.00 | 28.20 | 113 | 80-120 |
| Chlorobenzene | 25.00 | 28.48 | 114 | 80-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 78-134 |
| 1,2-Dichloroethane-d4 | 102 | 80-138 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 101 | 78-123 |

Type: BSD Lab ID: QC794131

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 27.30 | 109 | 70-134 | 4 | 22 |
| Benzene | 25.00 | 27.78 | 111 | 80-123 | 3 | 21 |
| Trichloroethene | 25.00 | 26.56 | 106 | 80-128 | 6 | 23 |
| Toluene | 25.00 | 26.42 | 106 | 80-120 | 7 | 20 |
| Chlorobenzene | 25.00 | 26.35 | 105 | 80-123 | 8 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 78-134 |
| 1,2-Dichloroethane-d4 | 103 | 80-138 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 99 | 78-123 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC794133 | Batch#: | 224721 |
| Matrix: | Soil | Analyzed: | 07/02/15 |
| Units: | ug/Kg | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 21.34 | 85 | 70-134 |
| Benzene | 25.00 | 22.93 | 92 | 80-123 |
| Trichloroethene | 25.00 | 21.76 | 87 | 80-128 |
| Toluene | 25.00 | 22.62 | 90 | 80-120 |
| Chlorobenzene | 25.00 | 24.22 | 97 | 80-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 108 | 78-134 |
| 1,2-Dichloroethane-d4 | 114 | 80-138 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 93 | 78-123 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794134 | Batch#: | 224721 |
| Matrix: | Soil | Analyzed: | 07/02/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794134 | Batch#: | 224721 |
| Matrix: | Soil | Analyzed: | 07/02/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 118 | 78-134 |
| 1,2-Dichloroethane-d4 | 118 | 80-138 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 93 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 0.9294 |
| MSS Lab ID: | 267866-001 | Batch#: | 224721 |
| Matrix: | Soil | Sampled: | 06/30/15 |
| Units: | ug/Kg | Received: | 06/30/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

Type: MS Lab ID: QC794161

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | <1.219 | 46.47 | 39.74 | 86 | 56-133 |
| Benzene | <0.6611 | 46.47 | 38.86 | 84 | 57-120 |
| Trichloroethene | 15.16 | 46.47 | 111.0 | 206 * | 49-145 |
| Toluene | <0.4449 | 46.47 | 37.41 | 81 | 51-120 |
| Chlorobenzene | <0.3362 | 46.47 | 36.61 | 79 | 47-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 109 | 78-134 |
| 1,2-Dichloroethane-d4 | 118 | 80-138 |
| Toluene-d8 | 90 | 80-120 |
| Bromofluorobenzene | 97 | 78-123 |

Type: MSD Lab ID: QC794162

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.47 | 33.33 | 72 | 56-133 | 18 | 46 |
| Benzene | 46.47 | 33.64 | 72 | 57-120 | 14 | 44 |
| Trichloroethene | 46.47 | 57.91 | 92 | 49-145 | 63 * | 46 |
| Toluene | 46.47 | 31.20 | 67 | 51-120 | 18 | 47 |
| Chlorobenzene | 46.47 | 31.63 | 68 | 47-120 | 15 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 108 | 78-134 |
| 1,2-Dichloroethane-d4 | 117 | 80-138 |
| Toluene-d8 | 91 | 80-120 |
| Bromofluorobenzene | 98 | 78-123 |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 224720 |
| MSS Lab ID: | 267906-001 | Sampled: | 07/01/15 |
| Matrix: | Soil | Received: | 07/01/15 |
| Units: | ug/Kg | Analyzed: | 07/03/15 |
| Basis: | as received | | |

Type: MS  Diln Fac: 0.9506
Lab ID: QC794222

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | <0.9303 | 47.53 | 48.67 | 102 | 56-133 |
| Benzene | <0.8934 | 47.53 | 45.79 | 96 | 57-120 |
| Trichloroethene | <0.8269 | 47.53 | 42.55 | 90 | 49-145 |
| Toluene | <0.7043 | 47.53 | 42.01 | 88 | 51-120 |
| Chlorobenzene | <0.6793 | 47.53 | 40.85 | 86 | 47-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 110 | 78-134 |
| 1,2-Dichloroethane-d4 | 114 | 80-138 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 102 | 78-123 |

Type: MSD  Diln Fac: 0.9452
Lab ID: QC794223

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.26 | 53.37 | 113 | 56-133 | 10 | 46 |
| Benzene | 47.26 | 48.40 | 102 | 57-120 | 6 | 44 |
| Trichloroethene | 47.26 | 45.09 | 95 | 49-145 | 6 | 46 |
| Toluene | 47.26 | 44.93 | 95 | 51-120 | 7 | 47 |
| Chlorobenzene | 47.26 | 44.53 | 94 | 47-120 | 9 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 111 | 78-134 |
| 1,2-Dichloroethane-d4 | 110 | 80-138 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 107 | 78-123 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794224 | Batch#: | 224720 |
| Matrix: | Soil | Analyzed: | 07/02/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794224 | Batch#: | 224720 |
| Matrix: | Soil | Analyzed: | 07/02/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 99 | 78-134 |
| 1,2-Dichloroethane-d4 | 98 | 80-138 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 112 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Matrix: | Soil | Batch#: | 224764 |
| Units: | ug/Kg | Analyzed: | 07/06/15 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC794308

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 26.13 | 105 | 70-134 |
| Benzene | 25.00 | 23.60 | 94 | 80-123 |
| Trichloroethene | 25.00 | 22.86 | 91 | 80-128 |
| Toluene | 25.00 | 23.61 | 94 | 80-120 |
| Chlorobenzene | 25.00 | 23.62 | 94 | 80-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 112 | 78-134 |
| 1,2-Dichloroethane-d4 | 117 | 80-138 |
| Toluene-d8 | 94 | 80-120 |
| Bromofluorobenzene | 90 | 78-123 |

Type: BSD Lab ID: QC794309

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 22.67 | 91 | 70-134 | 14 | 22 |
| Benzene | 25.00 | 25.58 | 102 | 80-123 | 8 | 21 |
| Trichloroethene | 25.00 | 22.96 | 92 | 80-128 | 0 | 23 |
| Toluene | 25.00 | 24.14 | 97 | 80-120 | 2 | 20 |
| Chlorobenzene | 25.00 | 24.94 | 100 | 80-123 | 5 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 105 | 78-134 |
| 1,2-Dichloroethane-d4 | 119 | 80-138 |
| Toluene-d8 | 91 | 80-120 |
| Bromofluorobenzene | 90 | 78-123 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794310 | Batch#: | 224764 |
| Matrix: | Soil | Analyzed: | 07/06/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 5030B |
| Project#: | STANDARD | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794310 | Batch#: | 224764 |
| Matrix: | Soil | Analyzed: | 07/06/15 |
| Units: | ug/Kg | | |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 119 | 78-134 |
| 1,2-Dichloroethane-d4 | 124 | 80-138 |
| Toluene-d8 | 93 | 80-120 |
| Bromofluorobenzene | 90 | 78-123 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-008-0-0.5 | Diln Fac: | 1.000 |
| Lab ID: | 267831-001 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | mg/Kg | Prepared: | 07/02/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 1.1 | 0.45 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Arsenic | 8.7 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Barium | 110 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.59 | 0.091 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.23 | 224727 | 07/05/15 | EPA 3050B | EPA 6010B |
| Chromium | 14 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cobalt | 3.7 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Copper | 16 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Lead | 46 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.11 | 0.018 | 224716 | 07/02/15 | METHOD | EPA 7471A |
| Molybdenum | 0.43 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Nickel | 18 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.45 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.45 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Vanadium | 29 | 0.23 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Zinc | 160 | 0.91 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-008-1.5-2 | Diln Fac: | 1.000 |
| Lab ID: | 267831-002 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | mg/Kg | Prepared: | 07/02/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 0.83 | 0.49 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Arsenic | 6.7 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Barium | 470 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.80 | 0.098 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.25 | 224727 | 07/05/15 | EPA 3050B | EPA 6010B |
| Chromium | 13 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cobalt | 3.8 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Copper | 13 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Lead | 25 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.40 | 0.016 | 224716 | 07/02/15 | METHOD | EPA 7471A |
| Molybdenum | 0.31 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Nickel | 15 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.49 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.49 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Vanadium | 22 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Zinc | 61 | 0.98 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-009-0-0.5 | Diln Fac: | 1.000 |
| Lab ID: | 267831-003 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | mg/Kg | Prepared: | 07/02/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 0.84 | 0.51 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Arsenic | 5.7 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Barium | 170 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.65 | 0.10 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.25 | 224727 | 07/05/15 | EPA 3050B | EPA 6010B |
| Chromium | 15 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cobalt | 3.5 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Copper | 13 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Lead | 46 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.26 | 0.017 | 224716 | 07/02/15 | METHOD | EPA 7471A |
| Molybdenum | 0.39 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Nickel | 15 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.51 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.51 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Vanadium | 23 | 0.25 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Zinc | 74 | 1.0 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Project#: | STANDARD |
| Client: | SLR International | Location: | RSR |
| Field ID: | SSCC-15-009-1.5-2 | Diln Fac: | 1.000 |
| Lab ID: | 267831-004 | Sampled: | 06/29/15 |
| Matrix: | Soil | Received: | 06/29/15 |
| Units: | mg/Kg | Prepared: | 07/02/15 |
| Basis: | as received | | |

| Analyte | Result | RL | Batch# | Analyzed | Prep | Analysis |
|---|---|---|---|---|---|---|
| Antimony | 0.97 | 0.48 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Arsenic | 7.1 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Barium | 110 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Beryllium | 0.63 | 0.096 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cadmium | ND | 0.24 | 224727 | 07/05/15 | EPA 3050B | EPA 6010B |
| Chromium | 13 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Cobalt | 3.9 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Copper | 13 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Lead | 42 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Mercury | 0.078 | 0.018 | 224716 | 07/02/15 | METHOD | EPA 7471A |
| Molybdenum | 0.29 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Nickel | 17 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Selenium | ND | 0.48 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Silver | ND | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Thallium | ND | 0.48 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Vanadium | 29 | 0.24 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |
| Zinc | 130 | 0.96 | 224727 | 07/02/15 | EPA 3050B | EPA 6010B |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Type: | BLANK | Batch#: | 224716 |
| Lab ID: | QC794112 | Prepared: | 07/02/15 |
| Matrix: | Soil | Analyzed: | 07/02/15 |
| Units: | mg/Kg | | |

| Result | RL |
|---|---|
| ND | 0.017 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Batch#: | 224716 |
| Matrix: | Soil | Prepared: | 07/02/15 |
| Units: | mg/Kg | Analyzed: | 07/02/15 |
| Diln Fac: | 1.000 | | |

| Type | Lab ID | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|
| BS | QC794113 | 0.2083 | 0.2265 | 109 | 80-120 | | |
| BSD | QC794114 | 0.2083 | 0.2265 | 109 | 80-120 | 0 | 20 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | METHOD |
| Project#: | STANDARD | Analysis: | EPA 7471A |
| Analyte: | Mercury | Diln Fac: | 1.000 |
| Field ID: | ZZZZZZZZZZ | Batch#: | 224716 |
| MSS Lab ID: | 267892-001 | Sampled: | 06/30/15 |
| Matrix: | Soil | Received: | 07/01/15 |
| Units: | mg/Kg | Prepared: | 07/02/15 |
| Basis: | as received | Analyzed: | 07/02/15 |

| Type | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|---|
| MS | QC794115 | 0.007623 | 0.2232 | 0.2427 | 105 | 69-142 | | |
| MSD | QC794116 | | 0.2016 | 0.2146 | 103 | 69-142 | 2 | 36 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC794153 | Batch#: | 224727 |
| Matrix: | Soil | Prepared: | 07/02/15 |
| Units: | mg/Kg | Analyzed: | 07/02/15 |

| Analyte | Result | RL |
|---|---|---|
| Antimony | ND | 0.50 |
| Arsenic | ND | 0.25 |
| Barium | ND | 0.25 |
| Beryllium | ND | 0.10 |
| Cadmium | ND | 0.25 |
| Chromium | ND | 0.25 |
| Cobalt | ND | 0.25 |
| Copper | ND | 0.25 |
| Lead | ND | 0.25 |
| Molybdenum | ND | 0.25 |
| Nickel | ND | 0.25 |
| Selenium | ND | 0.50 |
| Silver | ND | 0.25 |
| Thallium | ND | 0.50 |
| Vanadium | ND | 0.25 |
| Zinc | ND | 1.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Matrix: | Soil | Batch#: | 224727 |
| Units: | mg/Kg | Prepared: | 07/02/15 |
| Diln Fac: | 5.000 | Analyzed: | 07/02/15 |

Type: BS Lab ID: QC794154

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Antimony | 50.00 | 51.13 | 102 | 80-120 |
| Arsenic | 50.00 | 53.77 | 108 | 80-120 |
| Barium | 50.00 | 52.27 | 105 | 80-120 |
| Beryllium | 50.00 | 52.37 | 105 | 80-120 |
| Cadmium | 50.00 | 54.53 | 109 | 80-120 |
| Chromium | 50.00 | 51.93 | 104 | 80-120 |
| Cobalt | 50.00 | 49.74 | 99 | 80-120 |
| Copper | 50.00 | 50.92 | 102 | 80-120 |
| Lead | 50.00 | 51.85 | 104 | 80-120 |
| Molybdenum | 50.00 | 51.83 | 104 | 80-120 |
| Nickel | 50.00 | 51.48 | 103 | 80-120 |
| Selenium | 50.00 | 52.15 | 104 | 80-120 |
| Silver | 50.00 | 50.11 | 100 | 80-120 |
| Thallium | 50.00 | 50.94 | 102 | 80-120 |
| Vanadium | 50.00 | 53.30 | 107 | 80-120 |
| Zinc | 50.00 | 53.86 | 108 | 80-120 |

Type: BSD Lab ID: QC794155

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Antimony | 50.00 | 51.67 | 103 | 80-120 | 1 | 20 |
| Arsenic | 50.00 | 53.65 | 107 | 80-120 | 0 | 20 |
| Barium | 50.00 | 52.98 | 106 | 80-120 | 1 | 20 |
| Beryllium | 50.00 | 52.87 | 106 | 80-120 | 1 | 20 |
| Cadmium | 50.00 | 55.14 | 110 | 80-120 | 1 | 20 |
| Chromium | 50.00 | 52.74 | 105 | 80-120 | 2 | 20 |
| Cobalt | 50.00 | 49.98 | 100 | 80-120 | 0 | 20 |
| Copper | 50.00 | 52.06 | 104 | 80-120 | 2 | 20 |
| Lead | 50.00 | 52.65 | 105 | 80-120 | 2 | 20 |
| Molybdenum | 50.00 | 52.20 | 104 | 80-120 | 1 | 20 |
| Nickel | 50.00 | 51.93 | 104 | 80-120 | 1 | 20 |
| Selenium | 50.00 | 52.96 | 106 | 80-120 | 2 | 20 |
| Silver | 50.00 | 51.40 | 103 | 80-120 | 3 | 20 |
| Thallium | 50.00 | 51.71 | 103 | 80-120 | 1 | 20 |
| Vanadium | 50.00 | 54.30 | 109 | 80-120 | 2 | 20 |
| Zinc | 50.00 | 53.76 | 108 | 80-120 | 0 | 20 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## California Title 22 Metals

| | | | |
|---|---|---|---|
| Lab #: | 267831 | Location: | RSR |
| Client: | SLR International | Prep: | EPA 3050B |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 5.000 |
| MSS Lab ID: | 267904-001 | Batch#: | 224727 |
| Matrix: | Soil | Sampled: | 07/01/15 |
| Units: | mg/Kg | Received: | 07/01/15 |
| Basis: | as received | Prepared: | 07/02/15 |

Type: MS Lab ID: QC794156

| Analyte | MSS Result | Spiked | Result | %REC | Limits | Analyzed |
|---|---|---|---|---|---|---|
| Antimony | 0.7484 | 45.45 | 25.16 | 54 | 15-120 | 07/05/15 |
| Arsenic | 2.779 | 45.45 | 49.61 | 103 | 69-120 | 07/05/15 |
| Barium | 18.89 | 45.45 | 67.46 | 107 | 35-154 | 07/05/15 |
| Beryllium | 0.2233 | 45.45 | 50.40 | 110 | 75-120 | 07/05/15 |
| Cadmium | 1.296 | 45.45 | 49.49 | 106 | 71-120 | 07/05/15 |
| Chromium | 21.47 | 45.45 | 69.00 | 105 | 57-133 | 07/05/15 |
| Cobalt | 6.476 | 45.45 | 49.58 | 95 | 56-125 | 07/05/15 |
| Copper | 3.890 | 45.45 | 59.84 | 123 | 54-144 | 07/06/15 |
| Lead | 0.8654 | 45.45 | 46.49 | 100 | 53-125 | 07/05/15 |
| Molybdenum | <0.04652 | 45.45 | 44.36 | 98 | 66-120 | 07/05/15 |
| Nickel | 3.344 | 45.45 | 49.70 | 102 | 44-141 | 07/05/15 |
| Selenium | <0.1521 | 45.45 | 35.68 | 78 | 61-120 | 07/05/15 |
| Silver | <0.03797 | 45.45 | 44.88 | 99 | 69-120 | 07/05/15 |
| Thallium | <0.1337 | 45.45 | 42.88 | 94 | 59-120 | 07/05/15 |
| Vanadium | 74.42 | 45.45 | 133.1 | 129 | 52-144 | 07/05/15 |
| Zinc | 15.80 | 45.45 | 70.36 | 120 | 45-145 | 07/05/15 |

Type: MSD Lab ID: QC794157

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | 49.02 | 25.41 | 50 | 15-120 | 6 | 41 | 07/05/15 |
| Arsenic | 49.02 | 52.40 | 101 | 69-120 | 2 | 35 | 07/05/15 |
| Barium | 49.02 | 73.33 | 111 | 35-154 | 3 | 36 | 07/05/15 |
| Beryllium | 49.02 | 53.17 | 108 | 75-120 | 2 | 20 | 07/05/15 |
| Cadmium | 49.02 | 52.60 | 105 | 71-120 | 1 | 25 | 07/05/15 |
| Chromium | 49.02 | 73.55 | 106 | 57-133 | 1 | 33 | 07/05/15 |
| Cobalt | 49.02 | 54.55 | 98 | 56-125 | 3 | 36 | 07/05/15 |
| Copper | 49.02 | 65.05 | 125 | 54-144 | 1 | 38 | 07/06/15 |
| Lead | 49.02 | 50.46 | 101 | 53-125 | 1 | 42 | 07/05/15 |
| Molybdenum | 49.02 | 48.18 | 98 | 66-120 | 1 | 20 | 07/05/15 |
| Nickel | 49.02 | 54.16 | 104 | 44-141 | 2 | 39 | 07/05/15 |
| Selenium | 49.02 | 35.86 | 73 | 61-120 | 7 | 33 | 07/05/15 |
| Silver | 49.02 | 47.34 | 97 | 69-120 | 2 | 22 | 07/05/15 |
| Thallium | 49.02 | 46.98 | 96 | 59-120 | 2 | 27 | 07/05/15 |
| Vanadium | 49.02 | 145.8 | 146 * | 52-144 | 6 | 29 | 07/05/15 |
| Zinc | 49.02 | 70.18 | 111 | 45-145 | 6 | 39 | 07/05/15 |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 268068**
**ANALYTICAL REPORT**

| | |
|---|---|
| SLR International<br>110 11th Street<br>Oakland, CA 94607 | Project : STANDARD<br>Location : RSR<br>Level : II |

| Sample ID | Lab ID |
|---|---|
| SSCC-15-001-0-0.5 | 268068-001 |
| SSCC-15-002-1.5-2 | 268068-002 |
| SSCC-15-003-1.5-2 | 268068-003 |
| SSCC-15-04-0-0.5 | 268068-004 |
| SSCC-15-04-1.5-2 | 268068-005 |
| SSCC-15-05-1.5-2 | 268068-006 |
| SSCC-15-06-0-0.5 | 268068-007 |
| SSCC-15-014-0-0.5 | 268068-008 |
| DUP-062214-1 | 268068-009 |
| SSM-15-01-0-0.5 | 268068-010 |
| SSM-15-01-1.5-2 | 268068-011 |
| SSM-15-02-0-0.5 | 268068-012 |
| SSM-15-03-0-0.5 | 268068-013 |
| SSM-15-04-0-0.5 | 268068-014 |
| SSM-15-05-0-0.5 | 268068-015 |
| SSM-15-06-0-0.5 | 268068-016 |

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Mikelle Chong  Date: 07/16/2015

Mikelle Chong
Project Manager
mikelle.chong@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

# CASE NARRATIVE

| | |
|---|---|
| Laboratory number: | **268068** |
| Client: | **SLR International** |
| Location: | **RSR** |
| Request Date: | **07/09/15** |
| Samples Received: | **06/23/15, 06/25/15** |

This data package contains sample and QC results for sixteen soil samples, requested for the above referenced project on 07/09/15. The samples were received cold and intact.

**Metals (EPA 6010B):**
No analytical problems were encountered.

268068

On 7/9/2015 11:11 AM, Steve Kemnitz wrote:

Yes, standard turn-around on them all.

Thanks.

Mikelle Chong
Project Manager
Curtis & Tompkins
(510)204-2236
www.curtisandtompkins.com

On 7/9/2015 10:40 AM, Steve Kemnitz wrote:

Hi Mikelle,

Can we run the following samples for the indicated STLC analyses:

| | Field ID | Lab ID | Requested Analysis |
|---|---|---|---|
| 1 | SSCC-15-001-0-0.5 | 267770-009 | STLC Chromium<br>STLC Lead |
| 2 | SSCC-15-002-1.5-2 | 267770-012 | STLC Chromium |
| 3 | SSCC-15-003-1.5-2 | 267770-014 | STLC Chromium |
| 4 | SSCC-15-04-0-0.5 | 267699-009 | STLC Lead |
| 5 | SSCC-15-04-1.5-2 | 267699-010 | STLC Chromium |
| 6 | SSCC-15-05-1.5-2 | 267699-006 | STLC Lead |
| 7 | SSCC-15-06-0-0.5 | 267699-007 | STLC Lead |
| 8 | SSCC-15-014-0-0.5 | 267770-001 | STLC Lead |
| 9 | DUP-062214-1 | 267699-011 | STLC Lead |
| 10 | SSM-15-01-0-0.5 | 267699-012 | STLC Chromium |
| 11 | SSM-15-01-1.5-2 | 267699-013 | STLC Chromium<br>STLC Lead |
| 12 | SSM-15-02-0-0.5 | 267699-014 | STLC Lead |
| 13 | SSM-15-03-0-0.5 | 267699-016 | STLC Copper |
| 14 | SSM-15-04-0-0.5 | 267699-018 | STLC Chromium |
| 15 | SSM-15-05-0-0.5 | 267699-022 | STLC Lead |
| 16 | SSM-15-06-0-0.5 | 267699-020 | STLC Lead |

Please let me know if you need any additional information.

Thanks,
Steve Kemnitz

---

**From:** Mikelle Chong [mailto:mikelle.chong@ctberk.com]
**Sent:** July 08, 2015 12:34 PM
**To:** Steve Kemnitz
**Subject:** Re: RSR Project Additional Analysis

Hi Steve,

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878
2323 Fifth Street
Berkeley, CA 94710
Phone (510) 486-0900
Fax (510) 486-0532



Chain of Custody #

C&T LOGIN # 267699

Project No:
Project Name: RSR
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: MARK TREVOR
Report To: M. TREVOR
Company: SLR
Telephone: 510-451-1761
Email: mtrevor@slrconsulting.com

ANALYTICAL REQUEST

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | GRO by EPA 8015D | DRO 8015D | MOTOR OIL 8015D | CAM 17 EPA 200.7, 6010B, 6010C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SSCC-15-012-0-0.5 | 6-22-15 | 1000 | | X | 1 | | | | | X | X | X | X | X |
| 2 | SSCC-15-012-1.5-2 | | 1010 | | | | | | | | | | | | |
| 3 | SSCC-15-013-0-0.5 | | 1020 | | | | | | | | | | | | |
| 4 | SSCC-15-013-1.5-2 | | 1030 | | | | | | | | | | | | |
| 5 | SSCC-15-05-0-0.5 | | 1150 | | | | | | | | | | | | |
| 6 | SSCC-15-05-1.5-2 | | 1155 | | | | | | | | | | | | |
| 7 | SSCC-15-06-0-0.5 | | 1210 | | | | | | | | | | | | |
| 8 | SSCC-15-06-1.5-2 | | 1215 | | | | | | | | | | | | |
| 9 | SSCC-15-04-0-0.5 | | 1300 | | | | | | | | | | | | |
| 10 | SSCC-15-04-1.5-2 | | 1315 | | | | | | | | | | | | |
| 11 | DUP-062214-1 | 6-22-15 | — | | | | | | | | | | | | |
| 12 | SSM-15-01-0-0.5 | 6-23-15 | 0910 | | | | | | | | | | | | |
| 13 | SSM-15-01-1.5-2 | " | 0920 | | | | | | | | | | | | |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY: [signature] DATE: 6/23/15 TIME: 1322
DATE: TIME:
DATE: TIME:

RECEIVED BY: [signature] DATE: 6/23/15 TIME: 13:22
DATE: TIME:
DATE: TIME:

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532



Chain of Custody #

C&T LOGIN # 267699

Project No: RSR2
Project Name:
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: MARK TREVOR
Report To: M. TREVOR
Company: SLR
Telephone:
Email:

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | ANALYTICAL REQUEST: GRO by EPA 8015D | DRO 8015D | MOTOR OIL 8015D | CAM17 Metals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | SSM-15-02-0-0.5 | 6-23-14 | 0930 | | X | 4 | | | | | X | X | X | X | X |
| 15 | SSM-15-02-1.5-2 | | 0935 | | | | | | | | | | | | |
| 16 | SSM-15-03-0-0.5 | | 0945 | | | | | | | | | | | | |
| 17 | SSM-15-03-1.5-2 | | 0950 | | | | | | | | | | | | |
| 18 | SSM-15-04-0-0.5 | | 1015 | | | | | | | | | | | | |
| 19 | SSM-15-04-1.5-2 | | 1020 | | | | | | | | | | | | |
| 20 | SSM-15-06-0-0.5 | | 1050 | | | | | | | | | | | | |
| | ~~SSM-15-05-0-0.5~~ | — | ~~[illegible]~~ | | | | | | | | | | | | |
| | ~~1245~~ | — | — | | | | | | | | | | | | |
| 21 | SSM-15-06-1.5-2 | 6/23/14 | 1058 | | | | | | | | | | | | |
| 22 | SSM-15-05-0-0.5 | | 1240 | | | | | | | | | | | | |
| 23 | SSM-15-05-1.5-2 | | 1245 | | | | | | | | | | | | |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☑ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 6/23/15 TIME: 1322
DATE: TIME:
DATE: TIME:

RECEIVED BY:
DATE: 6/23/15 TIME: 1322
DATE: TIME:
DATE: TIME:

267699

On 7/6/2015 1:23 PM, Mark Trevor wrote:

Yes please. STAT (5-day). We'll give you the SLTC/TCLP order in a few days. Still looking at the data.

Thanks!

On 7/6/2015 11:46 AM, Mark Trevor wrote:

Hi Mikelle,

Can we please run VOC's on the samples listed below? Is that an option? We may still need to run STLC/TCLP on some of this soil as well. Please advise.

Thanks,
Mark

| | Client ID | Lab ID | Sampled | Received | DueDate | Matrix | Dry | Analyses | C |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 07/02 | Soil | | TVH | |
| | SSCC-15-007-0-0.5 | 005 | 06/24/15 13:35 | 06/25/15 | | | N | | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | | | | | 07/02 | Soil | | TVH | |
| | SSCC-15-007-1.5-2 | 006 | 06/24/15 13:45 | 06/25/15 | | | N | | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | | | | | 07/02 | Soil | | TVH | |
| 267699-005 | SSCC-15-05-0-0.5 | 005 | 06/22/15 11:50 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| 267699-006 | SSCC-15-05-1.5-2 | 006 | 06/22/15 11:55 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| 267699-007 | SSCC-15-06-0-0.5 | 007 | 06/22/15 12:10 | 06/23/15 | | | N | | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | | | | | 06/30 | Soil | | TVH | |
| 267699-008 | SSCC-15-06-1.5-2 | 008 | 06/22/15 12:15 | 06/23/15 | | | N | | |

**COOLER RECEIPT CHECKLIST**

Curtis & Tompkins, Ltd.

Login # 267699 Date Received 6/23/15 Number of coolers 1
Client SLR Project RSR

Date Opened 6/23 By (print) SL (sign) [illegible]
Date Logged in 6/23 By (print) BL (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (NA)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.5°

☒ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ YES NO (NA)
16. Did you check preservatives for all bottles for each sample? _____ YES NO (NA)
17. Did you document your preservative check? _____ YES NO (NA)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (NA)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (NA)
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO (NA)
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

Rev 10, 9/12

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878
2323 Fifth Street
Berkeley, CA 94710
Phone (510) 486-0900
Fax (510) 486-0532

C&T LOGIN # 267770



Chain of Custody #

Project No:
Project Name: RSR
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH ☒ Standard

Sampler: M. Trevor
Report To: MARK TREVOR
Company: SLR
Telephone: 510-451-1761
Email: mtrevor@slrconsulting.com

ANALYTICAL REQUEST

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | GRO (8260D) | DRO (8260D) | MOTOR OIL (8260D) | CAM 17 METALS (STD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SSCC-15-014-0-0.5 | 6/24/15 | 1145 | | X | 2 | | | | | X | X | X | X | X |
| 2 | SSCC-15-014-1.5-2 | | 1155 | | | | | | | | | | | | |
| 3 | SSCC-15-010-0-0.5 | | 1230 | | | | | | | | | | | | |
| 4 | SSCC-15-010-1.5-2 | | 1240 | | | | | | | | | | | | |
| 5 | SSCC-15-007-0-0.5 | | 1335 | | | | | | | | | | | | |
| 6 | SSCC-15-007-1.5-2 | | 1345 | | | | | | | | | | | | |
| 7 | SSCC-15-011-0-0.5 | | 1300 | | | | | | | | | | | | |
| 8 | SSCC-15-011-1.5-2 | | 1305 | | | | | | | | | | | | |
| 9 | SSCC-15-001-0-0.5 | 6/25/15 | 0900 | | | | | | | | | | | | |
| 10 | SSCC-15-001-1.5-2 | | 0905 | | | | | | | | | | | | |
| 11 | SSCC-15-002-0-0.5 | | 0915 | | | | | | | | | | | | |
| 12 | SSCC-15-002-1.5-2 | | 0920 | | | | | | | | | | | | |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
[signature] DATE: 6/25 TIME: 1051
DATE: TIME:
DATE: TIME:

RECEIVED BY:
Pat Hampy DATE: 6/25/15 TIME: 10:51 AM
DATE: TIME:
DATE: TIME:

# CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

267770

C&T LOGIN # _____



Chain of Custody # _____

Project No:
Project Name:
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH _____ ☒ Standard

Sampler:
Report To:
Company:
Telephone:
Email:

see PAGE 1

| Lab No. | Sample ID. | SAMPLING Date Collected | SAMPLING Time Collected | MATRIX Water | MATRIX Solid | # of Containers | CHEMICAL PRESERVATIVE HCl | H2SO4 | HNO3 | NaOH | None | GRO 8260D | DRO 8260D | MOTOR OIL 8260D | CAM-17 METALS (STD) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | SSLC-15-003-0-0.5 | 6/25/15 | 0930 | | X | 2 | | | | | X | X | X | X | X |
| 14 | SSCC-15-003-1.5-2 | ↓ | 0940 | | X | 2 | | | | | X | X | X | X | X |

Notes:

SAMPLE RECEIPT
☐ Intact
☐ Cold
☒ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 6/25 TIME: 1051
DATE: TIME:
DATE: TIME:

RECEIVED BY:
DATE: 6/25/15 TIME: 10:51
DATE: TIME:
DATE: TIME:

267770

On 7/6/2015 1:23 PM, Mark Trevor wrote:

Yes please. STAT (5-day). We'll give you the SLTC/TCLP order in a few days. Still looking at the data.

Thanks!

On 7/6/2015 11:46 AM, Mark Trevor wrote:

Hi Mikelle,

Can we please run VOC's on the samples listed below? Is that an option? We may still need to run STLC/TCLP on some of this soil as well. Please advise.

Thanks,
Mark

| | Client ID | Lab ID | Sampled | Received | DueDate | Matrix | Dry | Analyses | C |
|---|---|---|---|---|---|---|---|---|---|
| 267770-005 | SSCC-15-007-0-0.5 | 005 | 06/24/15 13:35 | 06/25/15 | 07/02 | Soil | N | TVH | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| 267770-006 | SSCC-15-007-1.5-2 | 006 | 06/24/15 13:45 | 06/25/15 | 07/02 | Soil | N | TVH | |
| | | | | | 07/02 | Soil | | 6010-T22 MET | |
| | | | | | 07/02 | Soil | | TEHM | |
| | SSCC-15-05-0-0.5 | 005 | 06/22/15 11:50 | 06/23/15 | 07/02 | Soil | N | TVH | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | SSCC-15-05-1.5-2 | 006 | 06/22/15 11:55 | 06/23/15 | 06/30 | Soil | N | TVH | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | SSCC-15-06-0-0.5 | 007 | 06/22/15 12:10 | 06/23/15 | 06/30 | Soil | N | TVH | |
| | | | | | 06/30 | Soil | | 6010-T22 MET | |
| | | | | | 06/30 | Soil | | TEHM | |
| | SSCC-15-06-1.5-2 | 008 | 06/22/15 12:15 | 06/23/15 | 06/30 | Soil | N | TVH | |

**COOLER RECEIPT CHECKLIST**

Curtis & Tompkins, Ltd.

Login # 267770 Date Received 6/25/15 Number of coolers 1
Client SLR Project RSR

Date Opened 6/25 By (print) SL (sign) [illegible]
Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) ____ YES (NO)
   Shipping info ____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☒ NO
   How many ____ Name ____ Date ____
2B. Were custody seals intact upon arrival? ____ YES NO (N/A)
3. Were custody papers dry and intact when received? ____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ____ (YES) NO
6. Indicate the packing in cooler: (if other, describe) ____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 4.8°

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ____ YES (NO)
   If YES, what time were they transferred to freezer? ____
9. Did all bottles arrive unbroken/unopened? ____ (YES) NO
10. Are there any missing / extra samples? ____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? ____ (YES) NO
12. Are sample labels present, in good condition and complete? ____ (YES) NO
13. Do the sample labels agree with custody papers? ____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? ____ (YES) NO
15. Are the samples appropriately preserved? ____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? ____ YES NO (N/A)
17. Did you document your preservative check? ____ YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? ____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? ____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? ____ YES NO (N/A)
21. Was the client contacted concerning this sample delivery? ____ YES (NO)
   If YES, Who was called? ____ By ____ Date: ____

COMMENTS

Rev 10, 9/12

Curtis & Tompkins, Ltd.

# Detections Summary for 268068

Results for any subcontracted analyses are not included in this summary.

Client : SLR International
Project : STANDARD
Location : RSR

Client Sample ID : SSCC-15-001-0-0.5 Laboratory Sample ID : 268068-001

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 2.1 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSCC-15-002-1.5-2 Laboratory Sample ID : 268068-002

No Detections

Client Sample ID : SSCC-15-003-1.5-2 Laboratory Sample ID : 268068-003

No Detections

Client Sample ID : SSCC-15-04-0-0.5 Laboratory Sample ID : 268068-004

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 2.5 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSCC-15-04-1.5-2 Laboratory Sample ID : 268068-005

No Detections

Client Sample ID : SSCC-15-05-1.5-2 Laboratory Sample ID : 268068-006

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 2.0 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSCC-15-06-0-0.5 Laboratory Sample ID : 268068-007

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 2.0 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSCC-15-014-0-0.5 Laboratory Sample ID : 268068-008

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 46 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Curtis & Tompkins, Ltd.

Client Sample ID : DUP-062214-1 Laboratory Sample ID : 268068-009

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 2.0 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSM-15-01-0-0.5 Laboratory Sample ID : 268068-010

No Detections

Client Sample ID : SSM-15-01-1.5-2 Laboratory Sample ID : 268068-011

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 3.2 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSM-15-02-0-0.5 Laboratory Sample ID : 268068-012

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 3.0 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSM-15-03-0-0.5 Laboratory Sample ID : 268068-013

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Copper | 1.8 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSM-15-04-0-0.5 Laboratory Sample ID : 268068-014

No Detections

Client Sample ID : SSM-15-05-0-0.5 Laboratory Sample ID : 268068-015

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 6.4 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Client Sample ID : SSM-15-06-0-0.5 Laboratory Sample ID : 268068-016

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|---|---|---|---|---|---|---|---|---|
| Lead | 13 | | 0.25 | mg/L | STLC | 10.00 | EPA 6010B | WET |

Curtis & Tompkins, Ltd.

# Chromium

| | | | |
|---|---|---|---|
| Lab #: | 268068 | Location: | RSR |
| Client: | SLR International | Prep: | WET |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Analyte: | Chromium | Diln Fac: | 10.00 |
| Matrix: | WET Leachate | Prepared: | 07/12/15 |
| Units: | mg/L | | |

| Field ID | Type | Lab ID | Result | RL | Batch# | Sampled | Received | Analyzed |
|---|---|---|---|---|---|---|---|---|
| SSCC-15-001-0-0.5 | SAMPLE | 268068-001 | ND | 0.25 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-002-1.5-2 | SAMPLE | 268068-002 | ND | 0.25 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-003-1.5-2 | SAMPLE | 268068-003 | ND | 0.25 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-04-1.5-2 | SAMPLE | 268068-005 | ND | 0.25 | 225010 | 06/22/15 | 06/23/15 | 07/15/15 |
| SSM-15-01-0-0.5 | SAMPLE | 268068-010 | ND | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| SSM-15-01-1.5-2 | SAMPLE | 268068-011 | ND | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| SSM-15-04-0-0.5 | SAMPLE | 268068-014 | ND | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| | BLANK | QC795233 | ND | 0.25 | 225010 | | | 07/15/15 |
| | BLANK | QC795238 | ND | 0.25 | 225011 | | | 07/13/15 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Copper

| | | | |
|---|---|---|---|
| Lab #: | 268068 | Location: | RSR |
| Client: | SLR International | Prep: | WET |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Analyte: | Copper | Diln Fac: | 10.00 |
| Field ID: | SSM-15-03-0-0.5 | Sampled: | 06/23/15 |
| Matrix: | WET Leachate | Received: | 06/23/15 |
| Units: | mg/L | Prepared: | 07/12/15 |

| Type | Lab ID | Result | RL | Batch# | Analyzed |
|---|---|---|---|---|---|
| SAMPLE | 268068-013 | 1.8 | 0.25 | 225010 | 07/15/15 |
| BLANK | QC795233 | ND | 0.25 | 225010 | 07/15/15 |
| BLANK | QC795238 | ND | 0.25 | 225011 | 07/13/15 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Lead

| | | | |
|---|---|---|---|
| Lab #: | 268068 | Location: | RSR |
| Client: | SLR International | Prep: | WET |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Analyte: | Lead | Diln Fac: | 10.00 |
| Matrix: | WET Leachate | Prepared: | 07/12/15 |
| Units: | mg/L | | |

| Field ID | Type | Lab ID | Result | RL | Batch# | Sampled | Received | Analyzed |
|---|---|---|---|---|---|---|---|---|
| SSCC-15-001-0-0.5 | SAMPLE | 268068-001 | 2.1 | 0.25 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-04-0-0.5 | SAMPLE | 268068-004 | 2.5 | 0.25 | 225010 | 06/22/15 | 06/23/15 | 07/15/15 |
| SSCC-15-05-1.5-2 | SAMPLE | 268068-006 | 2.0 | 0.25 | 225010 | 06/22/15 | 06/23/15 | 07/15/15 |
| SSCC-15-06-0-0.5 | SAMPLE | 268068-007 | 2.0 | 0.25 | 225010 | 06/22/15 | 06/23/15 | 07/15/15 |
| SSCC-15-014-0-0.5 | SAMPLE | 268068-008 | 46 | 0.25 | 225010 | 06/24/15 | 06/25/15 | 07/15/15 |
| DUP-062214-1 | SAMPLE | 268068-009 | 2.0 | 0.25 | 225011 | 06/22/15 | 06/23/15 | 07/14/15 |
| SSM-15-01-1.5-2 | SAMPLE | 268068-011 | 3.2 | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| SSM-15-02-0-0.5 | SAMPLE | 268068-012 | 3.0 | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| SSM-15-05-0-0.5 | SAMPLE | 268068-015 | 6.4 | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| SSM-15-06-0-0.5 | SAMPLE | 268068-016 | 13 | 0.25 | 225010 | 06/23/15 | 06/23/15 | 07/15/15 |
| | BLANK | QC795233 | ND | 0.25 | 225010 | | | 07/15/15 |
| | BLANK | QC795238 | ND | 0.25 | 225011 | | | 07/14/15 |

ND= Not Detected
RL= Reporting Limit

Batch QC Report

# Chromium

| | | | |
|---|---|---|---|
| Lab #: | 268068 | Location: | RSR |
| Client: | SLR International | Prep: | WET |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Analyte: | Chromium | Units: | mg/L |
| Matrix: | WET Leachate | Prepared: | 07/12/15 |

| Field ID | Type | MSS Lab ID | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim | Diln Fac | Batch# | Sampled | Received | Analyzed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BS | | QC795234 | | 0.1000 | 0.09634 | 96 | 80-120 | | | 1.000 | 225010 | | | 07/15/15 |
| | BSD | | QC795235 | | 0.1000 | 0.1018 | 102 | 80-120 | 5 | 20 | 1.000 | 225010 | | | 07/15/15 |
| SSCC-15-001-0-0.5 | MS | 268068-001 | QC795236 | 0.1610 | 0.5000 | 0.6677 | 101 | 80-120 | | | 10.00 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-001-0-0.5 | MSD | 268068-001 | QC795237 | | 0.5000 | 0.6396 | 96 | 80-120 | 4 | 20 | 10.00 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| | BS | | QC795239 | | 0.1000 | 0.1001 | 100 | 80-120 | | | 1.000 | 225011 | | | 07/13/15 |
| | BSD | | QC795240 | | 0.1000 | 0.09381 | 94 | 80-120 | 7 | 20 | 1.000 | 225011 | | | 07/13/15 |
| DUP-062214-1 | MS | 268068-009 | QC795241 | 0.2202 | 0.5000 | 0.7178 | 100 | 80-120 | | | 10.00 | 225011 | 06/22/15 | 06/23/15 | 07/13/15 |
| DUP-062214-1 | MSD | 268068-009 | QC795242 | | 0.5000 | 0.7364 | 103 | 80-120 | 3 | 20 | 10.00 | 225011 | 06/22/15 | 06/23/15 | 07/13/15 |

RPD= Relative Percent Difference

Batch QC Report

## Copper

| | | | |
|---|---|---|---|
| Lab #: | 268068 | Location: | RSR |
| Client: | SLR International | Prep: | WET |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Analyte: | Copper | Units: | mg/L |
| Matrix: | WET Leachate | Prepared: | 07/12/15 |

| Field ID | Type | MSS Lab ID | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim | Diln Fac | Batch# | Sampled | Received | Analyzed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BS | | QC795234 | | 0.1000 | 0.09549 | 95 | 80-120 | | | 1.000 | 225010 | | | 07/15/15 |
| | BSD | | QC795235 | | 0.1000 | 0.09971 | 100 | 80-120 | 4 | 20 | 1.000 | 225010 | | | 07/15/15 |
| SSCC-15-001-0-0.5 | MS | 268068-001 | QC795236 | 0.4158 | 0.5000 | 0.8685 | 91 | 80-120 | | | 10.00 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-001-0-0.5 | MSD | 268068-001 | QC795237 | | 0.5000 | 0.8401 | 85 | 80-120 | 3 | 20 | 10.00 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| | BS | | QC795239 | | 0.1000 | 0.09566 | 96 | 80-120 | | | 1.000 | 225011 | | | 07/13/15 |
| | BSD | | QC795240 | | 0.1000 | 0.08987 | 90 | 80-120 | 6 | 20 | 1.000 | 225011 | | | 07/13/15 |
| DUP-062214-1 | MS | 268068-009 | QC795241 | 0.2606 | 0.5000 | 0.7069 | 89 | 80-120 | | | 10.00 | 225011 | 06/22/15 | 06/23/15 | 07/13/15 |
| DUP-062214-1 | MSD | 268068-009 | QC795242 | | 0.5000 | 0.7303 | 94 | 80-120 | 3 | 20 | 10.00 | 225011 | 06/22/15 | 06/23/15 | 07/13/15 |

RPD= Relative Percent Difference

Batch QC Report

# Lead

| | | | |
|---|---|---|---|
| Lab #: | 268068 | Location: | RSR |
| Client: | SLR International | Prep: | WET |
| Project#: | STANDARD | Analysis: | EPA 6010B |
| Analyte: | Lead | Units: | mg/L |
| Matrix: | WET Leachate | Prepared: | 07/12/15 |

| Field ID | Type | MSS Lab ID | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim | Diln Fac | Batch# | Sampled | Received | Analyzed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BS | | QC795234 | | 0.1000 | 0.09126 | 91 | 80-120 | | | 1.000 | 225010 | | | 07/15/15 |
| | BSD | | QC795235 | | 0.1000 | 0.09554 | 96 | 80-120 | 5 | 20 | 1.000 | 225010 | | | 07/15/15 |
| SSCC-15-001-0-0.5 | MS | 268068-001 | QC795236 | 2.130 | 0.5000 | 2.597 | 93 NM | 67-120 | | | 10.00 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| SSCC-15-001-0-0.5 | MSD | 268068-001 | QC795237 | | 0.5000 | 2.560 | 86 NM | 67-120 | 1 | 23 | 10.00 | 225010 | 06/25/15 | 06/25/15 | 07/15/15 |
| | BS | | QC795239 | | 0.1000 | 0.09044 | 90 | 80-120 | | | 1.000 | 225011 | | | 07/14/15 |
| | BSD | | QC795240 | | 0.1000 | 0.09227 | 92 | 80-120 | 2 | 20 | 1.000 | 225011 | | | 07/14/15 |
| DUP-062214-1 | MS | 268068-009 | QC795241 | 2.041 | 0.5000 | 2.556 | 103 NM | 67-120 | | | 10.00 | 225011 | 06/22/15 | 06/23/15 | 07/14/15 |
| DUP-062214-1 | MSD | 268068-009 | QC795242 | | 0.5000 | 2.469 | 86 NM | 67-120 | 3 | 23 | 10.00 | 225011 | 06/22/15 | 06/23/15 | 07/14/15 |

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference



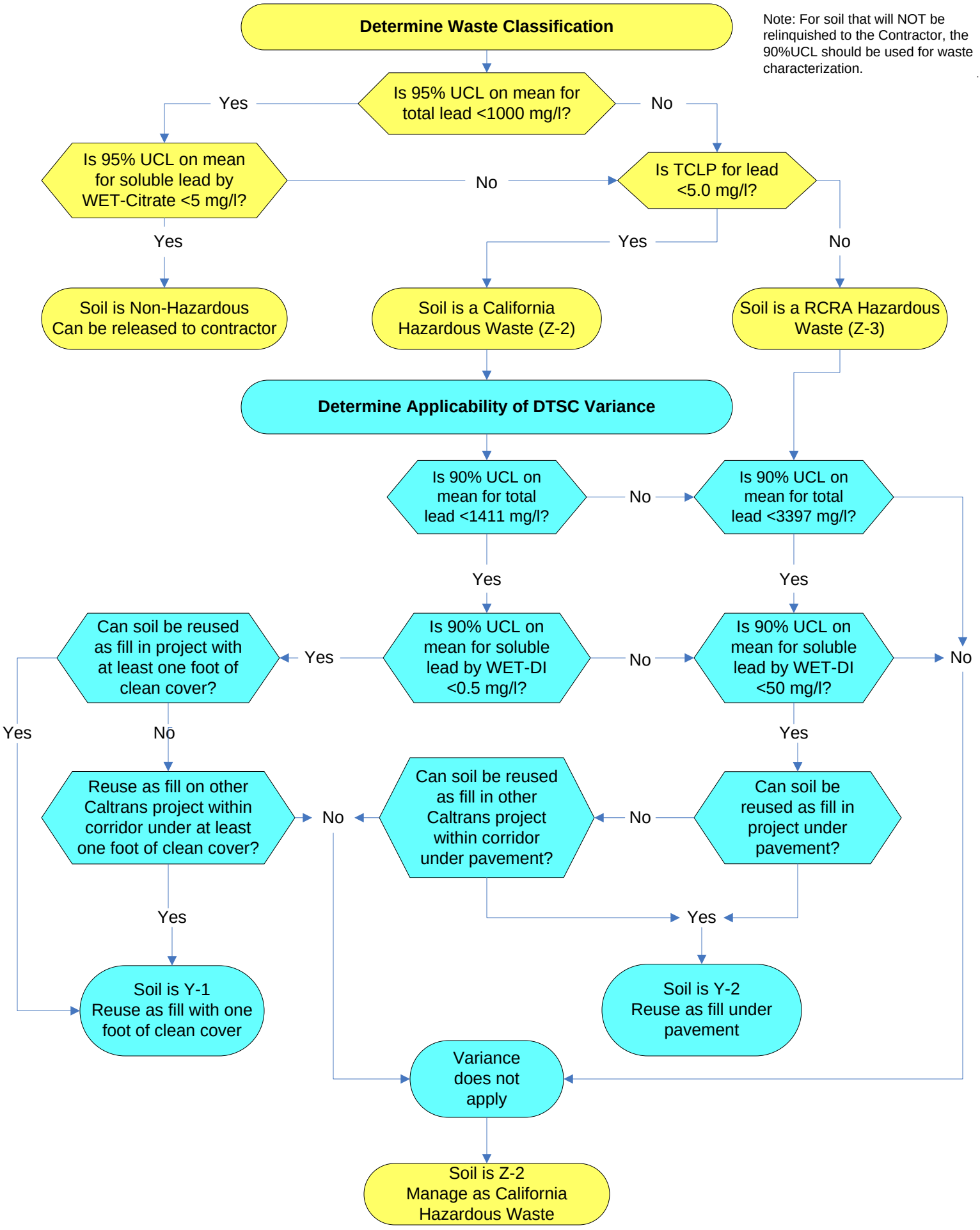
7.2

Curtis & Tompkins, Ltd.

# APPENDIX B

# ADL IMPACTED SOILS FLOW CHART

## Richmond San Rafael Bike Path Project

September 2015

# Figure 1: ADL-Impacted Soils Management Flow Chart