Revised

CITY OF LOS ANGELES HARBOR DEPARTMENT
Port of Los Angeles

REVOCABLE PERMIT

No. 18-08

The Executive Director of the Harbor Department ("Executive Director") of the City of Los Angeles ("City") hereby grants permission to CALIFORNIA TRANSLOAD SERVICES, LLC, a Delaware limited liability company, 2931 Redondo Avenue, Long Beach, CA 90806 ("Tenant"), to occupy and use certain lands and/or waters and/or facilities within the Harbor District owned or under the control of City acting through its Board of Harbor Commissioners ("Board"), subject to the following terms and conditions:

1. Premises. Tenant is permitted to use the lands and/or waters and/or facilities (hereinafter called "Premises"), which consist of 85.511 acres (3,724,902 square feet), including 84.826 acres of paved land (3,695,031 sq. ft.), which includes three (3) trans-loading warehouses and ancillary structures and 0.685 acres (29,871 sq. ft.) of land for parking (Exhibit "A"). By mutual agreement of Executive Director and Tenant, land and water not exceeding ten percent (10%) of the Premises granted or 20,000 square feet, whichever is greater, may be permanently added to or deleted from the Premises granted herein without further approval of the Board subject to the following conditions: (1) so long as such change in the Premises is not temporary within the meaning of Tariff (as defined in Section 4(a) below) Item No. 1035 (or its successor), the compensation set forth in Section 4 shall be increased or decreased pro rata to reflect any such addition or deletion; (2) if the change involves the addition or deletion of any improvement, the adjustment to the compensation shall also take into account this change in the same manner in which the compensation was originally calculated; (3) if permanent changes in the area of the Premises are made on more than one occasion, the cumulative net change in area may not exceed ten percent (10%) or 20,000 square feet, whichever is greater, of the originally designated Premises, and (4) the change in area of the Premises shall not result in the annual compensation exceeding One Hundred Fifty Thousand Dollars ($150,000). The Executive Director is authorized to execute amendment(s) to this Permit to effect the foregoing adjustments to area of the Premises and compensation without further action of the Board.

2. Permitted Use. The Premises shall be used for the distribution of products transported by truck and rail from a trans-loading yard, parking, storage, and LNG fueling ("Permitted Use") and not for any other use without the prior written consent of Executive Director which approval may be withheld by City in its sole and absolute discretion. Tenant shall not use the Premises in any manner, even if the use is a Permitted Use, that will cause cancellation of any insurance policy covering the Premises or adjacent premises; provided, however, Tenant may, in City's sole discretion, remain if it pays the increase in City's insurance costs caused by its operations. No offensive or refuse matter, or any substance constituting any unnecessary, unreasonable or unlawful fire hazard, or material detrimental to the public health, shall ever be permitted by Tenant to be or remain, on the Premises, and Tenant shall prevent any such material or matter from being or accumulating upon the Premises. Tenant further agrees not to keep on the Premises or permit to be kept, used, or sold thereon, anything prohibited by any policy of fire insurance covering the Premises or any structure erected thereon.

3. Effective and Termination Dates. This Revocable Permit ("Permit") shall be effective on upon execution by the Executive Director ("Effective Date"), and shall thereafter be revocable at any time by Tenant or by Executive Director, upon the giving of at least thirty (30) days' written notice to the other party stating the date upon which this Permit shall terminate ("Termination Date"); provided, however, if this Permit is not terminated prior to the fifth (5th) anniversary of the Effective Date, then before such time the Board shall review this Permit regarding its continuation and/or modification. (Termination Date shall also mean the date that the Permit terminates in connection with Tenant's Default under Section 8 and any termination by operation of law or any other reason.) The right of Executive Director to revoke this Permit is and shall remain unconditional. Neither City, nor any board, officer or employee thereof, shall be liable in any manner to Tenant because of such revocation. Tenant shall commence using the Premises for the Permitted Use within thirty (30) days from the Effective Date.

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4. Compensation.

(a) Monthly Rent. On or before the first day of each month, in advance, Tenant shall pay to City the sum of Four-Hundred, Forty-Six Thousand, Nine Hundred Seventy-Seven and Ten Hundredths Dollars ($446,977.10) as rental ("Rent") for the use of the Premises. Use of the Premises for purposes not expressly permitted herein, whether approved in writing by Executive Director or not, may result in additional charges, including charges required by Port of Los Angeles Tariff No. 4, as it may be amended or superseded ("Tariff"). Tenant agrees to pay such additional charges. Executive Director may change the amount of Rent required herein upon giving at least thirty (30) days' written notice to Tenant. Rent paid by Tenant shall be applied to the oldest outstanding balance. Rent is in addition to any applicable charges under the Tariff.

(b) Rent Adjustments. Provided this Permit is not sooner terminated, effective on the one-year anniversary date following the Effective Date (which date and subsequent anniversaries shall be referred to individually as the "Adjustment Date") of the tenancy, and annually thereafter, the Rent will be adjusted as of the Adjustment Date automatically without further notice to reflect the percentage increase (but not any decrease), if any, in the Consumer Price Index, all Urban Consumers of the Los Angeles-Long Beach-Anaheim, California area, 1982-84=100, as published by the U.S. Department of Labor, Bureau of Labor Statistics ("CPI"), or successor index selected by the Executive Director in his or her sole reasonable discretion. Such adjusted amount of Rent shall be equal to the product obtained by multiplying the Rent amount in effect on the Adjustment Date by a fraction, the numerator of which is the July CPI index on the Adjustment Date and the denominator of which for the first adjustment is the July CPI Index for the calendar year in which the Effective Date occurs, and for all subsequent adjustments through the tenancy is the July CPI index of the prior Adjustment Date.

The formula illustrating the adjustment computation is as follows:

$$\text{Adjusted Rent} = \text{Rent as of Adjustment Date} \times \frac{\text{July CPI Index of Adjustment Date}}{\text{July CPI Index of Effective Date or Prior Adjustment Date}}$$

In addition to or in lieu of the above, City may, at any time, change the amount of Rent without reference to CPI adjustment by giving Tenant thirty (30) days' notice of such change as provided in Section 4(a), above.

(c) Late Charge. Rent payments which have not been paid within ten (10) days of the due date shall be subject to a service charge consisting of simple interest of one-thirtieth (1/30) of two percent (2%) of the invoice amount remaining unpaid each day, for costs and expenses incurred by reason of Tenant's late payment. City shall have the right to change the amount charged for the late charge to the amount set forth in Tariff Item No. 270 if the amount in Tariff Item No. 270 changes. Acceptance of any late charge (or any other payments) shall not constitute a waiver of Tenant's Default (defined below).

(d) No Right of Set-Off. Notwithstanding any other provision of this Permit, Tenant's obligation to pay all Rent shall be absolute and unconditional and shall not be affected by any circumstance, including, without limitation, any set-off, counterclaim, recoupment, defense or other right or claim which Tenant may have against City.

(e) Place of Payment. Tenant shall render its payments to City of Los Angeles Harbor Department, P.O. Box 514300, Los Angeles, CA 90051-4300 or any other place that City from time to time may designate in writing. Payment shall be made in U.S. Dollars, either in the form of a check (drawn on a bank located in the State of California) or via electronically transmitted funds. Rent is to be paid only by Tenant. Notwithstanding the foregoing, acceptance of Rent paid by any entity or person other than Tenant shall not create any rights under this Permit for the entity or person making the Rent payment.

(f) Rent. All amounts payable by Tenant to City under this Permit during the term of this Permit shall be deemed to be Rent.

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5. Rights-of-Way. This Permit shall at all times be subject to such rights-of-way over, on and/or through the Premises for sewers, pipelines (public or private), conduits, telephone, telecommunications equipment, light, heat or power lines that exist and/or as may from time to time be determined by Board, and shall also be subject to rights-of-way for, among other things, streets and other highways, and for railroads and other means of transportation as shall have been duly established or as shall be reserved herein, and/or other rights-of-ways for equipment access, occupancy and/or other rights reasonably necessary to comply with homeland security or related requirements of federal, state and/or local agencies; and to such rights-of-way as Board requires to drill and explore new or maintain existing oil, gas or mineral wells. This Permit and the Premises shall at all times be subject to all prior exceptions, reservations, grants, easements, leases or licenses of any kind whatsoever as the same appear of record in the Office of the Recorder of Los Angeles County, California, or in the official records of City or any of its various departments and shall also be at all times subject to additional reservations City may reasonably require after the Effective Date, of which Tenant shall receive advance written notice, for which Tenant shall receive no compensation unless otherwise provided.

6. Premises Satisfactory to Tenant/Required Modifications. Tenant has inspected the Premises and agrees that they are suitable for the Permitted Use. No officer or employee of City has made any representation or warranty with respect to the Premises, except as described in writing and attached hereto as an addendum, and in entering into this Permit, Tenant agrees it relies only on the provisions of the Permit. Any modification, improvement, or addition to the Premises and any equipment installation or removal required by the Fire Department, Department of Building and Safety, South Coast Air Quality Management District, Regional Water Quality Control Board, U.S. Coast Guard, Environmental Protection Agency, or any other agency in connection with Tenant's operations, shall be constructed, installed, or removed at Tenant's sole expense. Tenant shall obtain a General Permit from the office of the Chief Harbor Engineer, Engineering Division, of the Harbor Department ("Harbor Engineer") and shall comply with the requirements of Section 14 before making any modifications to the Premises.

7. Maintenance and Repair.

(a) Maintenance Performed by Tenant. Tenant at its sole cost and expense, shall keep and maintain the Premises, and all buildings, works and improvements of any kind thereon, including, but not limited to the interior and exterior of all structures and paved areas within the Premises, in good and substantial repair and condition and shall be responsible for and perform all necessary inspection, maintenance and repair thereof, including preventive maintenance, in each case subject to reasonable wear and tear and as otherwise provided herein in regard to events causing substantial destruction of the improvements on the Premises ("Casualty Event"). Tenant shall obtain any permits, including but not limited to those issued by City, necessary for such maintenance and repair. In lieu of performing any maintenance and/or making any Alteration required by Applicable Laws or after a Casualty Event, Tenant may restore and surrender the Premises as provided in Section 11 and thereafter terminate the Permit as provided in Section 3.

(b) Failure to Maintain. If Tenant fails to make any repairs or to perform required maintenance within thirty (30) days after receipt of notice from City to do so, City may, but shall not be obligated to, make such repairs or perform such maintenance at Tenant's expense. Notwithstanding, in an emergency as determined by City (including but not limited to an immediate threat of physical harm to persons and/or material damage to the Premises and/or structural or foundational damage to any improvements thereon), City shall have the right, but not the obligation, to undertake immediate repairs to the Premises and any structures thereon without notice. Tenant shall reimburse City for City's costs (as defined in Section 7(c)) within thirty (30) days after receipt of City's invoice for work performed. If Tenant shall commence such repairs and diligently prosecute the same to completion or shall begin to perform the required maintenance within the thirty (30) day period, City shall refrain from commencing or prosecuting further any repairs or performing any required maintenance until the work has been completed by Tenant. Tenant shall thereafter pay on demand City's costs incurred pursuant to this Section 7(b) prior to Tenant's commencement of repair or maintenance. The making of any repairs or the performance of maintenance by City, which is the responsibility of Tenant, shall in no event be construed as a waiver of the duty or obligation of Tenant to make future repairs or perform required maintenance as herein provided.

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(c) City's Costs. "City's costs" for purposes of this Section 7 shall include, in City's sole reasonable discretion, the cost of maintenance or repair or replacement of property neglected, damaged or destroyed, including direct and allocated costs for labor, materials, services, equipment usage, and other indirect or overhead expenses arising from or related to maintenance, repair or replacement work performed by or on behalf of City.

(d) Litter and Debris. Tenant, at its sole cost and expense, shall provide sufficient dumpsters or other like containers for trash collection and disposal and keep the Premises free and clear of rubbish, debris and litter at all times. Tenant shall perform annually, at a minimum, before the commencement of the rainy season, inspections and cleaning of the storm water catch basins (including filters), maintenance holes, and drains, maintaining the submerged land underlying the water berthing area at the Premises free and clear of debris from the wharf and from vessels, and cargo loading and unloading operations of vessels berthed at said berths in connection with Tenant's undertaking of the Permitted Use. Tenant, at its sole cost and expense, further shall keep and maintain the Premises in a safe, clean and sanitary condition in accordance with all applicable federal, state, municipal and other laws, ordinances, rules and regulations.

(e) Fire Protection Systems. All fire protection sprinkler systems, standpipe systems, fire hoses, fire alarm systems, portable fire extinguishers and other fire-protective or extinguishing systems, with the exception of hydrant systems, or appliances which have been or may be installed on the Premises shall be maintained and repaired by Tenant, at its cost, in an operative condition at all times.

(f) City Inspections. Upon City's request, Tenant shall provide personnel to accompany City's representatives on periodic inspections of the Premises to determine Tenant's compliance with this Agreement. Notwithstanding the foregoing, nothing obligates City to make such determinations and City shall not incur any liability for not making such inspections and determinations.

8. Tenant Default.

(a) Events of Default. The occurrence of any of the following shall constitute a material breach and default by Tenant under this Permit:(1) Tenant's failure to pay when due any Rent required to be paid under this Permit if the failure continues for three (3) days after written notice from City; (2) Tenant's failure to perform any other obligation under this Permit if Tenant fails to cure the failure within thirty (30) days after delivery of written notice of the failure from City to Tenant; (3) Tenant's abandonment of the Premises including but not limited to (i) Tenant's absence from or failure to use the Premises or any substantial portion thereof for three (3) consecutive days (excluding Saturdays, Sundays, and California legal holidays) while in default of any provision of this Permit; or (ii) If Tenant is not in default, Tenant's absence from or failure to use the Premises or any substantial portion thereof for a period of thirty (30) consecutive days unless Tenant, prior to the expiration of any such period of thirty (30) consecutive days, notifies Executive Director in writing that such nonuse is temporary and obtains the written consent of Executive Director to such nonuse; (4) To the extent permitted by law: (i) A general assignment by Tenant or any guarantor of the Permit for the benefit of the creditors without written consent of City; (ii) The filing by or against Tenant, or any guarantor, of any proceeding under an insolvency or bankruptcy law, unless (in the case of an involuntary proceeding) the proceeding is dismissed within sixty (60) days; (iii) The appointment of a trustee or receiver to take possession of all or substantially all the assets of Tenant or any guarantor, unless possession is unconditionally restored to Tenant or that guarantor within thirty (30) days and the trusteeship or receivership is dissolved; (iv) Any execution or other judicially authorized seizure of all or substantially all the assets of Tenant located on the Premises, or of Tenant's interest in this Permit, unless that seizure is discharged within thirty (30) days.

(b) City's Remedies. City may pursue any and all remedies at law or in equity including seeking all monetary damages and termination of this Permit. Notwithstanding the foregoing, City and Tenant waive, and fully and irrevocably release one another, from the pursuit and collection of consequential or indirect damages that may arise from the breach of this Permit. City's remedies are cumulative and not inclusive. Nothing herein shall imply that City's right to revoke or terminate this Permit as provided in Section 3 is limited in any way. All personal property that remains on the Premises after Tenant vacates the Premises shall become the property of City, at City's option.

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9. Compliance with Applicable Laws. At all times in its use and occupancy of the Premises and its conduct of operations thereon, Tenant, at Tenant's sole cost and expense, shall comply with all applicable federal, state, county, City or government agency laws, statutes, ordinances, standards, codes (including all building codes) rules, requirements or orders in effect now or hereafter in effect ("Applicable Laws") pertaining to the use or condition of the Premises and/or Tenant's operations and conduct of its business. Applicable Laws shall include, but not be limited to, all environmental laws and regulations in effect now or hereafter in effect including: (a) CERCLA and its implementing regulations; (b) RCRA and its implementing regulations; (c)The federal Clean Water Act (33 U.S.C. Sections 1251–1376, et seq.) and its implementing regulations; (d) The California Porter Cologne Water Quality Control Act (California Water Code, Division 7) and its implementing regulations;(e)The federal Clean Air Act (42 U.S.C. Sections 7401-7601) and its implementing regulations; (f) The California Clean Air Act of 1988 and its implementing regulations; (g) The California Lewis-Presley Air Quality Management Act of 1976 (California Health and Safety Code Section 40400, *et. seq.*) and its implementing regulations; and (h) Any other applicable federal, state, or local law, regulation, ordinance or requirement (including consent decrees and administrative orders imposing liability or standard of conduct) now or hereinafter in effect which concerns Environmentally Regulated Material (defined below), the Premises and/or Tenant's use and/or occupancy thereof. It is the parties' intent that Tenant will make, at Tenant's sole cost and expense, any and all alterations, improvements, and changes whether structural or nonstructural, that are required by Applicable Laws. In addition, Tenant shall comply immediately with all applicable environmental policies, rules and directives of City's Harbor Department. This Permit shall be construed in accordance with California law.

10. Tenant's Environmental Obligations.

(a) Tenant shall not cause or permit any Environmentally Regulated Material (defined below) to be generated, brought onto, handled, used, stored, transported from, received or disposed of (hereinafter sometimes collectively referred to as "handle" or "handled") in or about the Premises except for limited quantities of standard office and janitorial supplies containing chemicals categorized as Environmentally Regulated Material and except as permitted, required or necessary under Section 2, if any. Tenant shall handle all such Environmentally Regulated Material in strict compliance with Applicable Laws in effect during Tenant's occupancy. The term "Environmentally Regulated Material" shall mean (a) any "hazardous substance" as that term is defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA") (42 U.S.A. Sections 9601-9675) in its present or successor form; (b) Hazardous waste" as that term is defined in the Resource Conservation and Recovery Act of 1976 ("RCRA") (42 U.S.C. Sections 6901-6992k) in its present or successor form; (c) Any pollutant, contaminant, or hazardous, dangerous, or toxic chemical, material or substance, within the meaning of any other applicable federal, state, or local law, regulation, ordinance or requirement (including consent decrees and administrative orders imposing liability or standard of conduct concerning any hazardous, dangerous or toxic waste, substance or material, now or hereinafter in effect); (d) Radioactive material, including any source, special nuclear, or byproduct material as defined in 42 U.S.C. Sections 2011-2297g-4 in its present or successor form; (e) Asbestos in any form or condition; (f) Polychlorinated biphenyls ("PCBs") and substances or compound containing PCBs; and (g) Petroleum products.

(b) Tenant shall remediate or cause the remediation of any spill, discharge or release of any Environmental Regulated Material that occurred, occurs in, on, under or about the Premises commencing from and after the Effective Date and continuing during Tenant's occupancy, whether caused by Tenant or any third-parties acting by, through, under, for, or on Tenant's behalf, ("Contamination"), including Contamination of improvements, adjacent harbor waters, soil, sediment, groundwater or air or of adjacent premises (including soil, sediment, groundwater or air) and including Contamination that is a considered a nuisance under Applicable Laws. Remediation shall be to the satisfaction of City, and the requirements of the applicable governmental agencies including the Regional Water Quality Control Board ("RWQCB"), by removing or effecting the removal of all Contamination including but not limited to contaminated soil, water, groundwater, sediment or other material it may place or cause to be placed on site such that no encumbrances, such as deed or land use restrictions, be imposed on the Premises as a result of such Contamination. In fulfilling the obligations under this Section 10, Tenant shall also comply with any other conditions reasonably imposed by the City. If Tenant knows or has reasonable cause to believe that Contamination has occurred in, on, under or about the Premises, Tenant shall immediately give written notice to City. The issuance of this Permit shall not waive or alter any rights City may possess concerning

environmental contamination or remediation set forth in prior real estate documents issued to Tenant for use and occupancy of the Premises or portions of the Premises. In connection with the foregoing obligations, Tenant acknowledges and agrees that it has reviewed and approved the document attached hereto as Exhibit "E," which document constitutes the written depiction of the environmental condition of the Premises on the Effective Date ("Baseline Condition") and which hereinafter shall be referred to as the "Baseline Report." Such Baseline Report may be replaced upon mutual written agreement of Executive Director and Tenant in the event such report is updated or supplemented with information concerning the Premises condition from 2013 to the Effective Date. Tenant acknowledges and agrees that a presumption shall exist that any Environmentally Regulated Material not specifically depicted and analyzed in the Baseline Report constitutes Contamination for which, as between City and Tenant, Tenant is solely responsible. City shall provide written notice of the existence of any such Contamination to Tenant. Tenant may rebut such presumption by providing to City, within ninety (90) days of City's written notice, conclusive evidence demonstrating that such Environmentally Regulated Material is not Contamination. Otherwise, such presumption shall be deemed confirmed, making Tenant solely responsible for such Contamination. Whether any information submitted by Tenant rebuts the aforementioned presumption shall be within City's sole and absolute discretion, exercised reasonably and in good faith. This provision shall survive the Termination Date of this Permit.

(c) Tenant bears sole responsibility for full compliance with any and all Applicable Laws regarding the use, storage, handling, distribution, processing, and/or disposal of Environmentally Regulated Material including Contamination occurring from and after the Effective Date, regardless of whether the obligation for such compliance or responsibility is placed on the owner of the Premises, on the owner of any improvements on the Premises, on the user of the Premises, or on the user of any improvements on the Premises. For purposes of CERCLA, and any and all other Applicable Laws, Tenant shall be considered the owner and operator. Tenant agrees that any claims, damages, fines or other penalties asserted against or levied on City and/or Tenant as a result of noncompliance with any Applicable Laws by Tenant, and any and all third-parties acting by, through, under, for, or on Tenant's behalf, shall be the sole responsibility of Tenant and that Tenant shall indemnify and hold City harmless from any and all such claims, damages, fines, penalties, and/or judgments, as well as any costs expended to defend against such claims, damages, fines and penalties and/or judgments, including attorneys' and experts fees. City, at its sole option, may pay such claims, damages, fines, penalties and/or judgments resulting from Tenant's noncompliance with any of the aforementioned authorities, and Tenant shall indemnify and reimburse City for any such payments.

(d) Waste Disposal. In discharging Tenant's obligations under this Permit, if Tenant disposes of any Contamination, within thirty (30) days of Tenant's receipt of original documents, Tenant shall provide City copies of all records, including a copy of each uniform hazardous waste manifest indicating the quantity and type of material being disposed of, the method of transportation of the material to the disposal site and the location of the disposal site. The name of the City of Los Angeles, the Port of Los Angeles or the City's Harbor Department shall not appear on any manifest document as a generator of such material.

(e) Laboratory Testing. In discharging its obligations under this Section, Tenant shall perform any tests using a State of California Department of Health Services certified testing laboratory or other similar laboratory of which City shall approve in writing. By signing this Permit, Tenant hereby irrevocably directs any such laboratory to provide City, upon written request from City, copies of all of its reports, tests results, and data gathered. As used in this Section, "Tenant" includes agents, employees, contractors, subcontractors, and/or invitees of the Tenant.

(f) Survival of Obligations. Except as may be otherwise provided in this Section 10, Tenant's obligations in this Section shall survive the Termination Date of this Permit.

11. Restoration and Surrender of Premises.

(a) Tenant's Restoration Obligations. Subject to Section 11(d), on or before the Termination Date of this Permit, unless otherwise excused in writing by Executive Director, Tenant shall quit and return possession of the Premises to City leaving no Tenant improvements, unless City notifies Tenant otherwise

in writing, (but leaving City's improvements, if any) and leaving the Premises in at least as good and usable a condition, reasonably acceptable to Executive Director, as the same were in at the Effective Date, reasonable wear and tear and Casualty Events excepted. Tenant shall not damage paving installed by City or any unpaved areas regardless of the nature of Tenant's operations on the Premises. If the condition of the Premises is upgraded during the term of this Permit, Tenant shall restore the Premises to the upgraded condition. If City terminates this Permit pursuant to Section 8, Tenant shall still be obligated to restore the Premises as provided in this Section or to pay the cost of restoration if City chooses to perform the work, at City's option, and Tenant shall be required to pay compensation to City as provided in Section 12. In connection with the foregoing, Tenant, at its sole cost and expense, shall restore the Premises (including their soil, groundwater and sediment) such that they will be returned to City: (a) free of Contamination and to the extent required of Tenant in Section 10. As between City and Tenant, Tenant shall bear sole responsibility for Contamination and any costs related thereto to the extent required of Tenant in Section 10; (b) free of any encumbrances including but not limited to deed or land use restrictions as a result of any Contamination and/or any liens (UCC, federal or state tax or otherwise) on the Premises or on fixtures or equipment, or personal property left on the Premises; (c) free of Structures placed on the Premises by Tenant. If the Premises, at the time of the Effective Date, have been improved by a prior tenant or by both City and a prior tenant, then such Structures which are left on the Premises at Tenant's request or for Tenant's benefit shall also be the responsibility of Tenant except as may be otherwise specified by this Permit; and (d) in a clean, level, graded and compacted condition with no excavations or holes resulting from Structures removed.

(b) Restoration Indemnity. In addition to and not as a substitute for any remedies provided by this Permit or at law or equity, Tenant shall defend, indemnify and hold harmless City from any and all claims and/or causes of action, damages, liabilities, judgments, expenses, penalties, loss of rents, and attorneys' and consultants' fees arising out of or involving: (a) Liens on the Premises, Structures, and/or on fixtures and/or equipment or property left on the Premises following the Termination Date; (b) Orders or enforcement actions pending against or in connection with the Premises, the Permitted Use and/or this Permit; (c) The cleanup of any Contamination to the extent required of Tenant in Section 10(b), and also shall include but not be limited to the cost of investigation, removal, remediation, restoration and/or abatement. The obligations under this Section shall survive the Termination Date of this Permit. Tenant's use of the land is subject to prior easements/permits. Contamination caused by or from prior existing easement/permit grantees, demonstrated by evidence, would be the responsibility of the easement/permit holder.

(c) Relocation Assistance. Nothing contained in this Permit shall create any right in Tenant or any sublessees of Tenant for relocation assistance or payment from City upon termination of this Permit (whether by revocation (Section 3) or default (Section 8) or any other reason. Tenant acknowledges and agrees that it shall not be entitled to any relocation assistance or payment pursuant to the provisions of any state or federal law, including Title 1, Division 7, Chapter 16 of the California Government Code (Sections 7260 et seq.) with respect to any relocation of its business or activities upon the termination of this Permit whether by City, Tenant or pursuant to Section 8 or operation of law.

(d) Demolition of Improvements; Acceptance of Improvements. If Tenant's improvements are not removed on or before the Termination Date, City shall have the right to remove and/or demolish the same at Tenant's cost. In that event, Tenant agrees to pay to City, upon demand, City's costs of any such removal or demolition. Notwithstanding the foregoing, City reserves the right, at its option, to accept any works, buildings or other improvements upon the Premises, including a change in the grade thereof, constructed or altered pursuant to this Section 11 in lieu of restoration of the Premises to their condition prior to such construction or Alteration (defined below).

(e) Site Restoration Plan. Independent of any regulatory agency requirements, upon written request of the Executive Director, Tenant shall submit to City a Site Characterization Work Plan for review and approval. Tenant's Site Characterization Work Plan shall include characterization of adjacent Harbor waters, soil, groundwater, and sediment of the Premises. Following City's approval of Tenant's Site Characterization Work Plan, Tenant shall conduct, at its sole cost and expense, a Site Characterization of the Premises pursuant to the Site Characterization Work Plan approved by City. The Site Characterization of the Premises shall be completed within a period of time specified by the Executive Director in his/her

sole reasonable discretion and shall be submitted to City for its review. If in City's sole discretion, the results of such Site Characterization indicate that Contamination for which Tenant is responsible as set forth in Section 10 has been identified or reasonably suspected in, on under, or about the Premises, Tenant shall provide City at its sole cost and expense, a remediation action plan or soil management plan or other work plan ("Remedial Action Plan") as required by City in a form acceptable to City. Tenant shall demonstrate to the City's satisfaction that Contamination does not exist or that if Contamination exists for which Tenant is responsible as set forth in Section 10, Tenant shall handle, store, treat, remove and properly dispose of the Contamination as described in Section 10 pursuant to the Remedial Action and to the satisfaction of City, and the requirements of the applicable governmental agencies including the Regional Water Quality Control Board ("RWQCB").

12. Rent During Restoration. Tenant understands and agrees it is responsible for complete restoration of the Premises before the Termination Date, as provided in this Permit and under Applicable Laws, including but not limited to the clean-up of any Contamination in, on or about the Premises. If, for any reason, such restoration is not completed before the Termination Date, then Tenant is obligated to pay City compensation during such restoration period, in an amount equal to the then fair market rental value of the Premises and the City's Harbor Department's then established rate of return as determined by City; however, said compensation amount shall not be less than the Rent paid by Tenant at the time of the Termination Date. Tenant also agrees to provide City a surety bond, in an amount determined by Executive Director, in his or her sole reasonable discretion, to assure removal of Contamination from the Premises at any time City demands such bond.

13. Premises Subject to Tariff. Tenant accepts the Premises and shall undertake the Permitted Use set forth in Section 2 subject to each and every of the terms and conditions provided herein, and to each and every of the rates, terms and conditions of the Tariff , as applicable to Premises and/or the Permitted Use. Tenant represents and warrants that it has received, read and understands the rates, terms and conditions of the Tariff and covenants that, at all times during the term of this Permit, it shall maintain a complete and current Tariff at the address set forth in Section 26 below. Except as otherwise set forth in this Permit, Tenant is contractually bound by all Tariff rates, terms and conditions as if the same were set forth in full herein. City in its sole and absolute discretion shall determine if a conflict exists between a provision of this Permit and a Tariff provision. In the event of such conflict, this Permit shall at all times prevail.

14. Alterations on Premises. Tenant shall not construct on or alter ("Alteration") the Premises, including a change in the grade, without first obtaining City's written approval. Tenant shall submit to City a complete Application for Discretionary Projects that attaches a complete set of drawings, plans and specifications (prepared and stamped by a licensed engineer registered in the State of California) reflecting the proposed Alteration. City's Harbor Engineer shall have the right to reject or order reasonable changes in said drawings, plans and specifications. Tenant, at its own expense, shall obtain all permits necessary for such construction. All construction by Tenant pursuant to this Permit shall be at Tenant's sole expense. Tenant shall keep the Premises free and clear of liens for labor and materials and shall hold City harmless from any responsibility in respect thereto. Tenant shall give written notice to Harbor Engineer, in advance, of the date it will commence any Alteration. Immediately upon the completion of the construction, Tenant shall notify Harbor Engineer of the date of such completion and shall, within thirty (30) days after such completion, file with Harbor Engineer, in a form acceptable to Harbor Engineer, a set of "as built" plans for such construction.

15. Indemnity. Except as may arise from the sole negligence or willful misconduct of City, Tenant shall at all times relieve, indemnify, protect and save harmless City and any and all of its boards, officers, agents and employees from any and all claims and demands, actions, proceedings, losses, liens, costs and judgments of any kind and nature whatsoever, including cost of litigation (including all actual litigation costs incurred by the City, including but not limited to costs of experts and consultants), for death of or injury to persons or damage to property including property owned by or under the care and custody of City, and for civil fines and penalties, that may arise from or be caused directly or indirectly by:

(a) Any dangerous, hazardous, unsafe or defective condition of, in or on the Premises, of any nature whatsoever, which may exist by reason of any act, omission, neglect, or any use or

occupation of the Premises by Tenant, its officers, agents, employees, sublessees, licensees or invitees;

(b) Any operation conducted upon or any use or occupation of the Premises by Tenant, its officers, agents, employees, sublessees, licensees or invitees under or pursuant to the provisions of this Permit or otherwise;

(c) Any act, omission or negligence of Tenant, its officers, agents, employees, sublessees, licensees or invitees, regardless of whether any act, omission or negligence of City, its officers, agents or employees contributed thereto;

(d) Any failure of Tenant, its officers, agents or employees to comply with any of the terms or conditions of this Permit or any Applicable Laws; or

(e) The conditions, operations, uses, occupations, acts, omissions or negligence referred to in subdivisions (a), (b), (c) and (d) above, existing or conducted upon or arising from the use or occupation by Tenant or its invitees on any other premises within the Harbor District, as defined in the Charter of City.

Tenant also agrees to indemnify City and pay for all damages or loss suffered by City and City's Harbor Department, including, but not limited to, damage to or loss of property, to the extent not insured by City, and loss of City revenue from any source, to the extent caused by or arising out of the conditions, operations, uses, occupations, acts, omissions or negligence referred to in this Section. The term "persons" as used in this Section shall include, but not be limited to, officers and employees of Tenant.

Tenant shall also indemnify, defend and hold City harmless from any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including, without limitation, diminution of the value of the Premises, damages for loss or restriction on use of rentable or useable space or of any amenity of the Premises, damages arising from any adverse impact on marketing of space, and sums paid in settlement of claims, attorneys' fees, consultant fees and expert fees) which arise during or after the Permit term as a result of Contamination of the Premises. This indemnification of City by Tenant includes, without limitation, costs incurred in connection with any investigation of site conditions or any clean-up, remedial, removal or restoration work required by any federal, state or local governmental agency because of Contamination present in the soil or groundwater on or under the Premises.

The obligations under this Section shall survive the Termination Date of this Permit and shall apply regardless of the active or passive negligence of City and regardless of whether liability without fault or strict liability is imposed or sought to be imposed on City.

16. Insurance. In addition to, and not as a substitute for, or limitation of, any of the indemnity obligations imposed by Section 15 of this Permit, Tenant shall procure and maintain at its expense and keep in force at all times during the term of this Permit the following insurance:

(a) Commercial general liability or marine general liability insurance, including contractual liability and property damage insurance, written by an insurance company authorized to do business in the State of California, or approved by the California Department of Insurance as a surplus lines insurer eligible to do business in California, rated VII, A- or better in Best's Insurance Guide (or an alternate guide acceptable to City if a Best's Rating is not available) with Tenant's normal limits of liability but not less than One Million Dollars ($1,000,000) for injury or death to one or more persons out of each accident or occurrence and One Million Dollars ($1,000,000) for bodily injury and property damage for each occurrence/Two Million Dollars ($2,000,000) general aggregate. Where Tenant provides or dispenses alcoholic beverages, host liquor liability coverage shall be provided with the same limits of liability as above.

(b) In addition to and concurrently with the aforesaid insurance coverage, Tenant shall procure and maintain, either by an endorsement thereto or by a separate policy, fire legal liability insurance with a minimum limit of Two Hundred Fifty Thousand Dollars ($250,000) covering legal liability of Tenant for damage or destruction to the works, buildings, and improvements owned by City provided that said

minimum limits of liability shall be subject to adjustments by Executive Director to conform with the deductible amount of the fire insurance policy maintained by Board, with waiver of subrogation in favor of Tenant so long as permitted by Board's fire insurance policy, upon thirty (30) days' prior written notice thereof to Tenant at any time during the term of this Permit.

(c) Tenant shall secure, and shall maintain at all times during the life of this Agreement, All Risk Property insurance that requires the Tenant to insure the works, structures and improvements erected by Tenant on the premises on an "All Risk" basis equal to Ninety Percent (90%) replacement cost for value over Two Hundred Fifty Thousand Dollars ($250,000) of the property with no coinsurance clause. Coverage shall include a "Loss Payee" endorsement where losses payable under this policy shall be adjusted with the named insured and paid to the "City of Los Angeles Harbor Department" as its interests may appear. Additionally, evidence of Business Interruption and Extra Expense insurance in such amounts as will cover all rent and other monies payable to the Harbor Department and will reimburse Consultant for direct and indirect loss of earnings due to a covered peril for a period of at least twelve (12) months.

Said policy shall include an additional insured endorsement (CG 2010 or equivalent) naming the City of Los Angeles Harbor Department, its officers, agents and employees as additional insureds, a 10-days notice of cancellation for nonpayment of premium, and a 30-days notice of cancellation for any other reasons.

(d) Where Tenant utilizes any vehicles, Tenant shall procure and maintain automobile insurance with limits of liability not less than One Million Dollars ($1,000,000) covering injuries or death resulting from each accident or claim arising out of any one claim or accident. This insurance shall cover all owned, non-owned, and/or hired automobiles.

(e) Tenant shall procure and maintain fire and extended coverage insurance covering One Hundred percent (100%) of the replacement value of the works, buildings, and improvements erected or owned by Tenant on the Premises, with such provision in the policies issued to cover the same, or in riders attached thereto, as will provide for all losses to be payable to Board to be held in trust for reconstruction. In the event of loss or damage by fire to any of such works, buildings, or improvements, Tenant shall undertake replacement or reconditioning of such items within ninety (90) days following any such loss, or deliver proceeds from such insurance coverage to satisfy Tenant's obligations under this Permit.

(f) Where Tenant's operations involve the storage or use of any type of hazardous materials or pollutants, Tenant shall procure and maintain environmental impairment liability insurance which shall include coverage for bodily injury, property damage, including third-party claims for on-site and off-site bodily injury and property damage, clean-up, and defense of suits, with a limit of at least One Million Dollars ($1,000,000) per occurrence, which is to remain in effect at least five (5) years after the Termination Date.

(g) Where Tenant's operations involve work within fifty (50) feet of railroad tracks, Tenant shall procure and maintain railroad protective liability insurance in which Pacific Harbor Line (PHL), acting for itself, is named the insured with Tenant. The minimum limits of railroad protective liability insurance shall be the limits normally carried by Tenant but not less than Two Million Dollars ($2,000,000) combined single limit for property damage and bodily injury including death. If the submitted policies contain aggregate limits, Tenant shall provide evidence of insurance protection for such limits so that the required coverage is not diminished in the event that the aggregate limits become exhausted. Tenant shall also provide comprehensive general liability coverage with additional insured requirements as previously indicated, however, the railroad exclusion shall be deleted.

(h) Where Tenant operates watercraft, Tenant shall procure and maintain protection and indemnity coverage with limits of One Million Dollars ($1,000,000) per occurrence for bodily injury, illness, death, loss of or damage to the property of another including masters and members of the vessel crew, and Jones Act risks or equivalent thereto internationally. City shall be named as an additional insured.

(i) If Tenant maintains higher limits than the minimums required above, City requires and shall be entitled to coverage for the higher limits maintained by Tenant. Any available insurance proceeds in

excess of the specified minimum limits of insurance and coverage shall be available to City to satisfy obligations of Tenant under this Permit.

(j) Limits for coverage required under Section 16 of this Permit shall provide first dollar coverage except that Executive Director may permit a self-insured retention or self-insurance in those cases where, in his or her sole judgment, such retention or self-insurance is justified by the net worth of Tenant. The self-insured retention or self-insurance shall provide that any other insurance maintained by City's Harbor Department shall be excess of Tenant's insurance and shall not contribute to it. In all cases, regardless of any deductible, retention, or self-insurance, Tenant shall have all the obligations of an "insurer" under the California Insurance Code and said insurance shall be deemed to include a defense of suits provision and a severability of interest clause.

(k) Policies submitted pursuant to Section 16 of this Permit shall, in addition, provide the following coverage either in the original policy or by endorsement substantially as follows:

(i) "Notwithstanding any inconsistent statement in the policy to which this endorsement is attached, or any endorsement or certificate now or hereafter attached hereto, it is agreed that the City of Los Angeles, acting by and through its Harbor Department, the Board of Harbor Commissioners, and their officers, agents, and employees, are additional insureds hereunder, and that coverage is provided for all contractual obligations, operations, uses, occupations, acts, and activities of all the insureds, including any sole negligence of the additional insureds, under Revocable Permit No. 18-08, and under any amendments, modifications, extensions, or renewals of said Permit regardless of whether such contractual obligations, operations, uses, occupations, acts, and activities occur on the Premises or elsewhere."

(ii) "The coverage provided by the policy to which this endorsement is attached is primary coverage and any other insurance carried by the City is excess coverage."

(iii) "In the event of one of the named insureds incurring liability to any other of the named insureds, this policy shall provide protection for each named insured against whom claim is or may be made, including claims by other named insureds, in the same manner as if separate policies had been issued to each named insured. Nothing contained herein shall operate to increase the insurance company's limit of liability."

(iv) "Notice of occurrences or claims under the policy shall be made to the City's Risk Manager with copies to the Los Angeles City Attorney's Office."

(l) Tenant shall secure the payment of compensation to any employees injured while performing work or labor necessary for and incidental to performance under this Permit in accordance with Section 3700 of the California Labor Code. Tenant shall file with City one of the following:

(i) A certificate of consent to self-insure issued by the Director of Industrial Relations, State of California;

(ii) A certificate of Workers' Compensation insurance issued by an admitted carrier; or

(iii) An exact copy or duplicate thereof of the policy certified by the Director of Industrial Relations or the insurer.

Such documents shall be filed prior to Tenant's occupancy of the Premises. Where Tenant has employees who are covered by the United States Longshore and Harbor Workers' Compensation Act ("USLHWC Act"), Tenant shall furnish proof of such coverage to City. It is suggested that Tenant consult with its insurance professional of its choosing to determine whether its proposed operation methods will render its employees subject to coverage under the USLHWC Act. All Workers' Compensation insurance submitted to City shall include an endorsement providing that any carrier paying benefits agrees to waive any right of subrogation it may have against City.

(m) All insurance procured by Tenant shall comply with the following:

(i) Each insurance policy shall provide that it will not be cancelled or reduced in coverage until after City's Risk Manager has been given a 10-day notice of cancellation for nonpayment of premium, and a 30-day notice of cancellation for any other reason.

(ii) Electronic submission is the required method of submitting Tenant's insurance documents. KwikComply is City's online insurance compliance system which is designed to be used by insurance brokers and agents to submit client insurance certificates directly to City. Tenant's insurance broker or agent shall obtain access to KwikComply at https://kwikcomply.org and follow the instructions to register and submit the appropriate proof of insurance on Tenant's behalf.

(iii) Prior to the expiration of each policy, Tenant shall show through submitting to KwikComply that the policy has been renewed or extended or, if new insurance has been obtained, submit the appropriate proof of insurance to KwikComply. If Tenant neglects or fails to secure or maintain the required insurance, or if Tenant fails to submit proof of insurance as required above, City's Harbor Department may, at its option and at the expense of Tenant, obtain such insurance for Tenant.

(iv) Executive Director, at his or her discretion, based upon recommendation of the Risk Manager of City's Harbor Department, may request that Tenant increase or decrease amounts and types of insurance coverage required hereunder at any time during the term hereof by giving written notice to Tenant.

(v) Immediately upon procuring any and all policies of insurance required herein, Tenant must request from Tenant's insurance carrier(s) full certified copies of such policies of insurance. Tenant shall thereafter provide such full certified copies of such policies to City within thirty (30) days of Tenant's receipt of such policies from Tenant's insurance carrier(s). Tenant's obligation to provide such copies shall survive the Termination Date regardless of whether Tenant receives such policies prior to or after the Termination Date. Tenant shall further provide written notice to City of any change of terms of any policies of insurance required herein within thirty (30) days of any such change.

(vi) Tenant shall report in writing to Executive Director within fifteen (15) days after it, its officers, or its managing agents have knowledge of any accident or occurrence involving death of or injury to any person or persons, or damage in excess of Ten Thousand Dollars ($10,000) to property, occurring upon the Premises, or elsewhere within the Harbor District, if Tenant's officers, agents, or employees are involved in such an accident or occurrence. Such report shall contain to the extent available: (1) the name and address of the persons involved; (2) a general statement as to the nature and extent of injury or damage; (3) the date and hour of occurrence; (4) the names and addresses of known witnesses; and (5) such other relevant information as may be known to Tenant, its officers, or its managing agents.

17. No Assignments/Subleases/Transfers.

No transfer of this Permit, or any interest therein or any right or privilege thereunder, regardless of whether accomplished by a separate agreement, sale of stock or assets, merger or consolidation or reorganization by or of Tenant (or any entity that directly or indirectly controls or owns fifty percent (50%) or more of Tenant), or accomplished in any other manner, whether voluntary or by operation of law, including but not limited to assignment, sublease, transfer, gift, hypothecation or grant of total or partial control, or any encumbrance of this Permit (hereafter collectively referred to as "Transfer"), shall be valid or effective for any purpose. "Transfer" also shall include the involvement of Tenant or its assets in any transaction, or series of transactions (by way of merger, sale, acquisition, financing, transfer, leveraged buyout or otherwise) whether or not a formal assignment or hypothecation of this Permit or Tenant's assets, which involvement results in a reduction of the net worth of Tenant (defined as the net worth of Tenant, excluding guarantors, established by generally accepted accounting principles) by an amount greater than twenty-five percent (25%) of such net worth as it was represented at the time of the execution of this Permit or as it exists immediately prior to said transaction or transactions constituting such reduction, whichever

was or is greater. For purposes of this Section, the term "by operation of law" includes but is not limited to: (1) the placement of all or substantially all of Tenant's assets in the hands of a receiver or trustee; or (2) a transfer by Tenant for the benefit of creditors; or (3) transfers resulting from the death or incapacity of any individual who is a Tenant or of a general partner of a Tenant.

18. Transfer of Stock. If Tenant is a corporation and more than ten percent (10%) of the outstanding shares of capital stock of Tenant is traded during any calendar year after filing its application for this Permit, Tenant shall notify Executive Director in writing within ten (10) days after the transfer date; provided, however, that this provision shall have no application in the event the stock of Tenant is listed on either the New York Stock Exchange, NASDAQ, or the NYSE Arca Options. If more than twenty-five percent (25%) of the Tenant's stock is transferred, whether by one or by means of successive transfers, regardless of whether Tenant is a publicly or privately held entity, such transfer shall be deemed an assignment within the meaning of the preceding paragraph. Any such transfer shall void this Permit. Such a transfer is agreed to be a breach of this Permit which shall entitle City to evict Tenant on at least seven (7) days' notice.

19. Tenant Name Change. Tenant shall notify City in writing within ten (10) days of making any changes to its name as set forth in the preamble of this Permit and shall provide City with all documents in connection with the change.

20. Signs. Tenant shall not erect or display, or permit to be erected or displayed, on the Premises any signs or advertising matter of any kind without first obtaining the written consent of Executive Director. If Tenant obtains consent, it shall comply with the requirements of Section 14. Tenant shall post, erect and maintain on the Premises such signs as Executive Director may direct.

21. Termination for Misrepresentations. This Permit is granted pursuant to an application filed by Tenant with Board. If the application or any of the attachments thereto contain any misstatement of fact which, in the judgment of Executive Director, affected his or her decision to grant said Permit, Executive Director may terminate this Permit.

22. Possessory Interest. THIS PERMIT MAY CREATE A POSSESSORY INTEREST BY TENANT WHICH MAY BE SUBJECT TO PROPERTY TAXATION. TENANT SHALL PAY ALL SUCH TAXES SO ASSESSED, AND ALL OTHER ASSESSMENTS OF WHATEVER CHARACTER LEVIED UPON ANY INTEREST CREATED BY THIS PERMIT. TENANT SHALL ALSO PAY ALL LICENSE AND PERMIT FEES REQUIRED FOR THE CONDUCT OF ITS OPERATIONS.

23. Utility Charges. Unless otherwise provided for herein, Tenant shall pay all charges for services furnished to the Premises or used in connection with its occupancy, including, but not limited to, heat, gas, power, telephone, water, trash, sewer, light and janitorial services, and pay all deposits, connection fees, charges and meter rentals required by the supplier of any such service, including City.

24. Termination by Court. If any court having jurisdiction in the matter renders a final decision which prevents the performance by City of any of its obligations under this Permit, then either party hereto may terminate this Permit by written notice, and all rights and obligations hereunder (with the exception of any undischarged rights and obligations) shall thereupon terminate.

25. Conflict of Interest. It is understood and agreed that the parties to this Permit have read and are aware of the provisions of Section 1090 et seq. and Section 87100 et seq. of the Government Code relating to conflict of interest of public officers and employees, as well as the Conflict of Interest Code of the Harbor Department. All parties hereto agree that they are unaware of any financial or economic interest of any public officer or employee of City relating to this Permit. Notwithstanding any other provision of this Permit, it is further understood and agreed that if such a financial interest does exist at the inception of this Permit, City may immediately terminate this Permit by giving written notice thereof.

26. Notice. In all cases where written notice including the service of legal pleadings is to be given under this Permit, service shall be deemed sufficient if said notice is deposited in the United States mail, postage prepaid or delivered to the Permit premises. When so given, such notice shall be effective

from the date of mailing. Unless changed by notice in writing from the respective parties, notice to the parties shall be as follows:

To the City: Los Angeles Harbor Department
P.O. Box 151
San Pedro, California 90733-0151
Attention: Executive Director
Attention: Director of Real Estate

with a copy to: Office of City Attorney—Harbor Department
425 S. Palos Verdes Street
San Pedro, California 90731
Attention: General Counsel

To the Tenant: California Transload Services, LLC
2931 Redondo Avenue
Long Beach, CA 90806

with a copy to: Legal Department
c/o NFI Industries, Inc.
1515 Burnt Mill Road
Cherry Hill, NJ 08003

Nothing herein contained shall preclude or render inoperative service of such notice in the manner provided by law. All notice periods under this Permit refer to calendar days unless otherwise specifically stated.

27. Construction of Agreement. This Permit shall not be construed against the party preparing it and shall be construed without regard to the identity of the person who drafted this Permit.

28. No Waiver. No waiver by either party at any time of any terms or conditions of this Permit shall be a waiver at any subsequent time of the same or any other term or condition. The acceptance of Rent by City shall not be deemed a waiver of any other breach by Tenant of any term or condition of this Permit other than the failure of Tenant to timely make the particular Rent payment so accepted. No breach of a covenant, term or condition of this Permit will be deemed to have been waived by City unless the waiver is in writing and executed by City.

29. Immediate Access to Repair/Maintain Premises. Tenant is aware that the City's Department of Water & Power, other utility, or other maintenance or service from or on behalf of City, may need to service or repair certain facilities on the Premises. If such repair is necessary, Tenant agrees to relocate, at its expense, all of its cargo equipment or personal property to provide such personnel adequate access. Tenant agrees to complete such relocation within twenty-four (24) hours of receiving notice from City except in case of emergency. Tenant agrees neither the department servicing the Premises nor City shall be responsible for any loss Tenant may suffer as a result of such maintenance or repair.

30. Records and Reports. All books, accounts and other records showing the affairs of Tenant with respect to its business transacted at, upon or over the Premises shall be maintained at the Premises or Tenant's nearest office to the Premises, and may be subject to examination, audit and transcription by Executive Director or any person designated by her; and in the event it becomes necessary to make such examination, audit or transcription at any place other than within fifty (50) miles of the Premises, then all costs and expenses necessary, or incident to such examination, audit or transcription shall be paid by Tenant. These records shall be retained during the term of this Permit so that the records for the four (4) most recent years are available. After this Permit terminates, Tenant shall maintain the records for the four (4) most recent years for at least two (2) years. Upon request in writing by Executive Director or his or her designated representative, Tenant shall furnish a statement of the exact location of all records and the name and telephone number of the custodian of these records. The statement shall be submitted within fifteen (15) days of the request and shall contain such detail and cover such period of time as may be specified in any such request. From time to time Executive Director or designee shall audit Tenants' records

and accounts. Information to be provided by Tenant will include, but not be limited to, general ledgers, charts of accounts, subledgers including cash receipts journals, cash disbursement journals, and all original receipts and documents which support the information provided to City.

31. Promotion of Los Angeles Harbor Facilities. Tenant shall in good faith and with all reasonable diligence use its best efforts by suitable advertising and other means to promote the use of the Premises granted by this Permit.

32. Joint and Several Obligations of Tenant**.** If more than one individual or entity comprises Tenant, the obligations imposed on each individual or entity that comprises Tenant under this Agreement shall be joint and several.

33. Time of the Essence. Time is of the essence in this Permit.

34. Nondiscrimination and Affirmative Action Provisions. Tenant agrees not to discriminate in its employment practices against any employee or applicant for employment because of employee's or applicant's race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status or medical condition. All subcontracts awarded under or pursuant to this Permit shall contain this provision. The applicable provisions of Section 10.8 et seq. of the Los Angeles Administrative Code are set forth in the attached Exhibit "B" and are incorporated herein by this reference.

35. Minority, Women and Other Business Enterprise (MBE/WBE/OBE) Outreach Program. It is the policy of the City to provide minority business enterprises (MBEs), women's business enterprises (WBEs), and all other business enterprises (OBEs) an equal opportunity to participate in the performance of all City contracts in all areas where such contracts afford such participation opportunities. The Tenant shall assist the City in implementing this policy and shall use its best efforts to afford the opportunity for MBEs, WBEs, and OBEs to achieve participation in subcontracts where such participation opportunities present themselves and attempt to ensure that all available business enterprises, including MBEs, WBEs, and OBEs, have an equal opportunity to compete for and participate in any such participation opportunity which might be presented under this Permit.

36. Service Contractor Worker Retention Policy and Living Wage Policy Requirements. The Board adopted Resolution No. 5771 on January 3, 1999, agreeing to adopt the provisions of Los Angeles City Ordinance No. 171004 relating to Service Contractor Worker Retention (SCWR), Section 10.36 et seq. of the Los Angeles Administrative Code, as the policy of the City's Harbor Department. Further, Charter Section 378 requires compliance with the City's Living Wage requirements as set forth by ordinance, Section 10.37 et seq. of the Los Angeles Administrative Code. Tenant shall comply with the policy wherever applicable. Violation of this provision, where applicable, shall entitle the City to terminate this Permit and otherwise pursue legal remedies that may be available.

37. Wage and Earnings Assignment Orders/Notices of Assignments. The Tenant is obligated to fully comply with all applicable state and federal employment reporting requirements for the Tenant and/or its employees. Tenant shall certify that the principal owner(s) are in compliance with any Wage and Earnings Assignment Orders and Notices of Assignments applicable to them personally. The Tenant will fully comply with all lawfully served Wage and Earnings Assignment Orders and Notices of Assignments in accordance with California Family Code §§ 5230 et seq. The Tenant will maintain such compliance throughout the term of this Permit.

38. Equal Benefits Policy. The Board adopted Resolution No. 6328 on January 12, 2005, agreeing to adopt the provisions of Los Angeles City Ordinance No. 172,908, as amended, relating to Equal Benefits, Section 10.8.2.1 et seq. of the Los Angeles Administrative Code, as a policy of the City's Harbor Department. Tenant shall comply with the policy wherever applicable. Violation of the policy shall entitle the City to terminate any agreement with Tenant and pursue any and all other legal remedies that may be available. See Exhibit "C."

39. Wilmington Truck Route. It is recognized by both parties that Tenant may not directly control the trucks serving the Premises. However, Tenant will make its best effort to notify truck drivers,

truck brokers and trucking companies, that trucks serving the Premises must confine their route to the designated Wilmington Truck Route of Alameda Street and Harry Bridges Boulevard; Figueroa Street from Harry Bridges Boulevard to "C" Street; and Anaheim Street east of Alameda Street. A copy of the Wilmington Truck Route is attached hereto and marked Exhibit "D," which may be modified from time to time at the sole discretion of the Executive Director with written notice to Tenant.

40. Business Tax Registration Certificate. The City of Los Angeles Office of Finance requires the implementation and enforcement of Los Angeles Municipal Code Section 21.09 et seq. This section provides that every person, other than a municipal employee, who engages in business within the City of Los Angeles, is required to obtain the necessary Business Tax Registration Certificate and pay business taxes. The City Controller has determined that this Code Section applies to consulting firms that are doing work for the City's Harbor Department

41. Supervision of Business Practices. The nature and manner of conducting any and all business activities on the Premises shall be subject to reasonable regulation by Board. In the event such business is not conducted in a reasonable manner as determined by Board, it may direct that corrective action be taken by Tenant or its sublessees to remedy such practices and upon failure to comply therewith within thirty (30) days of Tenant receiving such written notice, Board may declare this Permit terminated.

Pursuant to the provisions of the Los Angeles City Charter and of the tide and submerged land grant, Tenant and its sublessees shall use the Premises in such a manner so that there shall be no discrimination made, authorized or permitted in the rates, tolls, or charges or in the facilities provided for any use or service in connection therewith.

Tenant shall also conduct its business and cause the businesses of its sublessees upon the Premises (if any have been expressly authorized by City in writing) to be conducted in a first-class manner. Tenant shall furnish and maintain a standard of service at least equal to that of the better class of similar businesses providing similar services and facilities in the City of Los Angeles and adjacent communities during the entire term of this Permit.

Board reserves the right to have access to and inspect the schedule of rates and prices for services and facilities performed or provided upon the Premises. In the event that after Tenant has been advised and given a reasonable opportunity to confer with Board and to justify any rate or price challenged by it as unreasonable or noncompensatory, and Board has determined such rate or price to be unreasonable or inappropriate for the services rendered or the facilities provided, such rates or prices shall be modified by Tenant as directed by Board.

42. State Tidelands Act. This Agreement, the Premises and Tenant's use and occupancy thereof shall at all times be subject to the limitations, conditions, restrictions and reservations contained in and prescribed by the Act of the Legislature of the State of California entitled "An Act Granting to the City of Los Angeles the Tidelands and Submerged Lands of the State Within the Boundaries of Said City," approved June 3, 1929, (Stats. 1929, Ch. 651), as amended, and Article VI of the Charter of the City of Los Angeles relating to such lands. Tenant shall not undertake any use of the Premises, even a Permitted Use, which is or will be inconsistent with such limitations, conditions, restrictions and reservations.

43. Paragraph Headings. Paragraph headings used in the Permit are merely descriptive and not intended to alter the terms and conditions of the paragraphs.

44. Integrated Agreement. It is understood that this Permit supersedes and cancels any and all previous negotiations, arrangements, representations, agreements, negotiations and understandings, if any, between the parties and there are no oral agreements that affect any of the terms of this Permit.

45. Prior Permit Superseded. This Permit shall supersede Revocable Permit No. RP95-40 with California Cartage Company and Agreement No. 2069 with California Cartage Corporation/California Cartage Company, Inc., which were terminated on November 2, 2013. Said termination does not affect rights of either party have accrued or obligations which remain to be performed or rights and/or obligations

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which provide they continue after termination or expiration of the agreement or which continue by operation of law..

46. Amendments. No provision of this Permit may be amended except by an agreement in writing signed by City and Tenant. Any such modifications are subject to all applicable approval processes set forth in City's Charter, City's Administrative Code, or other applicable law.

47. Governing Law and Venue. This Permit is made and entered into in the State of California and shall in all respects be construed, interpreted, enforced and governed under the laws of the State of California without reference to choice of law rules. Any action or proceeding arising out of or related to this Permit shall be filed and litigated in the state or federal courts located in the County of Los Angeles, State of California.

48. Additions. There is attached to this P DELETED um, consisting of numbered Sections __-__, inclusive, the provisions of which are made a p it as though set forth herein in full.

49. Deletions. Section 48 is deleted and is not to be considered as constituting a part of this Permit, and it is so marked.

CITY OF LOS ANGELES
HARBOR DEPARTMENT.

DATED: _____

By: _____
EUGENE SEROKA
Executive Director

The undersigned Tenant hereby accepts the foregoing Permit and agrees to abide and be bound by and to observe each and every of the terms, conditions and covenants, thereof, including those set forth in the addendum, if any, and excluding those marked as being deleted.

CALIFORNIA TRANSLOAD SERVICES, LLC

DATED: Sept 18, 2018

By: Richard Smith

Richard Smith, CFO
Type/Print Name and Title of Officer

Attest: _____

Robert Sanders, Assoc. General Counsel
Type/Print Name and Title of Officer

APPROVED AS TO FORM AND LEGALITY
1/19, 2018
MICHAEL N. FEUER, City Attorney
JANNA B. SIDLEY, General Counsel

By: _____
STEVEN Y. OTERA, Deputy

SYO/ila (09/ 7/2018)

1-2499-1

Revised

EXHIBIT A



NOTES:
1) No substructures are shown on this drawing. Accurate substructure information must be obtained from lessees and L.A.H.D. engineering records.
2) Horizontal Datum is based on the North American Datum of 1983 (NAD 83), California Coordinate System, Zone 5, Feet.
3) All distances shown on this drawing are grid distances. To obtain a reasonable representation of the ground distance, divide the distance herein by the average scale factor of 1.000078.
4) PARCEL NO. 10 consists of a 2-story building, totaling 5,018 S.F., which occupies 2,556 S.F. of surface area.

DRAFT

N
0 50' 100' 200' 400'
SCALE

NO.	DATE	DRAWN	REVISIONS -	CH'D	APP'D

NO.	DATE	DRAWN	REVISIONS -	CH'D	APP'D

SCALE: 1" = 200'
DRAWN:
CHECKED:
DESIGNED: D. RAASCH
ENGINEER / ARCHITECT

CHIEF OF DESIGN
ASSISTANT CHIEF HARBOR ENGINEER
CHIEF HARBOR ENGINEER — DATE

PERMIT MAP - AUTHORITY NO. RP18-08

CALIFORNIA TRANSLOAD SERVICES, INC.

THE PORT OF LOS ANGELES
ENGINEERING DIVISION
425 S. PALOS VERDES STREET SAN PEDRO CA 90731-3309

DRAWING NUMBER: 1-2499-1
SHEET NUMBER:

DWG: N:\real\Projects\R.O.W.\LEASE\Assigned Drawings\1-2499-1.dwg USER: RAASCH
DATE: Aug 22, 2018 11:23am XREFS:BDRY-CITY BDRY-PIER BDRY-POLA A48 p40 p41 p42 p43 p44 p45 p46 p47 p48 p49 p50 p51 p52 p53 p54 p55 p56 p57 p58 p59 p60 p61 p62 p63 p64 p65 p66 p67 p68 p69 p70 p71 p72 p73 p74 p75 p76 p77 p78 p79 p80 p81 p82 p83 p84 p85 p86 p87 p88 p89 p90 p91 p92 p93 p94 p95 p96 p97 p98 p99 p100 p101 p102 p103 p104 p105 p106 p107 p108 p109 p110 p111 p112 p113 p114 p115 p116 p117 p118 p119 p120 p121 p122 p123 p124 p125 p126 p127 p128 p129 p130 p131 p132 p133 p134 p135 p136 p137 p138 p139 IMAGES:L5_6487_7748+L5_6492_7748+L5_6492_7749+L5_6487_7749+L5_6487_7747+L5_6492_7747+L5_6492_7748+L5_6492_7749+L5_6492_7748+L5_6492_7749+L5_6492_7748+L5_6492_7749

Revised

AFFIRMATIVE ACTION PROGRAM PROVISIONS

Sec. 10.8.4 Affirmative Action Program Provisions.

Every non-construction contract with or on behalf of the City of Los Angeles for which the consideration is $100,000 or more and every construction contract with or on behalf of the City of Los Angeles for which the consideration is $5,000 or more shall contain the following provisions which shall be designated as the AFFIRMATIVE ACTION PROGRAM provisions of such contract:

A. During the performance of City contract, the contractor certifies and represents that the contractor and each subcontractor hereunder will adhere to an affirmative action program to ensure that in its employment practices, persons are employed and employees are treated equally and without regard to or because of race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status, or medical condition.

1. This provision applies to work or services performed or materials manufactured or assembled in the United States.

2. Nothing in this section shall require or prohibit the establishment of new classifications of employees in any given craft, work or service category.

3. The contractor shall post a copy of Paragraph A hereof in conspicuous places at its place of business available to employees and applicants for employment.

B. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to their race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status, or medical condition.

C. As part of the City's supplier registration process, and/or at the request of the awarding authority or the Office of Contract Compliance, the contractor shall certify on an electronic or hard copy form to be supplied, that the contractor has not discriminated in the performance of City contracts against any employee or applicant for employment on the basis or because of race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status, or medical condition.

D. The contractor shall permit access to and may be required to provide certified copies of all of its records pertaining to employment and to its employment practices by the awarding authority or the Office of Contract Compliance, for the purpose of investigation to ascertain compliance with the Affirmative Action Program provisions of City contracts, and on their or either of their request to provide evidence that it has or will comply therewith.

EXHIBIT B

Revised

AFFIRMATIVE ACTION PROGRAM PROVISIONS

E. The failure of any contractor to comply with the Affirmative Action Program provisions of City contracts may be deemed to be a material breach of contract. Such failure shall only be established upon a finding to that effect by the awarding authority, on the basis of its own investigation or that of the Board of Public Works, Office of Contract Compliance. No such finding shall be made except upon a full and fair hearing after notice and an opportunity to be heard has been given to the contractor.

F. Upon a finding duly made that the contractor has breached the Affirmative Action Program provisions of a City contract, the contract may be forthwith cancelled, terminated or suspended, in whole or in part, by the awarding authority, and all monies due or to become due hereunder may be forwarded to and retained by the City of Los Angeles. In addition thereto, such breach may be the basis for a determination by the awarding authority or the Board of Public Works that the said contractor is an irresponsible bidder or proposer pursuant to the provisions of Section 371 of the Los Angeles City Charter. In the event of such determination, such contractor shall be disqualified from being awarded a contract with the City of Los Angeles for a period of two years, or until he or she shall establish and carry out a program in conformance with the provisions hereof.

G. In the event of a finding by the Fair Employment and Housing Commission of the State of California, or the Board of Public Works of the City of Los Angeles, or any court of competent jurisdiction, that the contractor has been guilty of a willful violation of the California Fair Employment and Housing Act, or the Affirmative Action Program provisions of a City contract, there may be deducted from the amount payable to the contractor by the City of Los Angeles under the contract, a penalty of TEN DOLLARS ($10.00) for each person for each calendar day on which such person was discriminated against in violation of the provisions of a City contract.

H. Notwithstanding any other provisions of a City contract, the City of Los Angeles shall have any and all other remedies at law or in equity for any breach hereof.

I. The Public Works Board of Commissioners shall promulgate rules and regulations through the Office of Contract Compliance and provide to the awarding authorities electronic and hard copy forms for the implementation of the Affirmative Action Program provisions of City contracts, and rules and regulations and forms shall, so far as practicable, be similar to those adopted in applicable Federal Executive Orders. No other rules, regulations or forms may be used by an awarding authority of the City to accomplish this contract compliance program.

J. Nothing contained in City contracts shall be construed in any manner so as to require or permit any act which is prohibited by law.

K. The Contractor shall submit an Affirmative Action Plan which shall meet the requirements of this chapter at the time it submits its bid or proposal or at the time it

Revised

registers to do business with the City. The plan shall be subject to approval by the Office of Contract Compliance prior to award of the contract. The awarding authority may also require contractors and suppliers to take part in a pre-registration, pre-bid, pre-proposal, or pre-award conference in order to develop, improve or implement a qualifying Affirmative Action Plan. Affirmative Action Programs developed pursuant to this section shall be effective for a period of twelve

months from the date of approval by the Office of Contract Compliance. In case of prior submission of a plan, the contractor may submit documentation that it has an Affirmative Action Plan approved by the Office of Contract Compliance within the previous twelve months. If the approval is 30 days or less from expiration, the contractor must submit a new Plan to the Office of Contract Compliance and that Plan must be approved before the contract is awarded.

1. Every contract of $5,000 or more which may provide construction, demolition, renovation, conservation or major maintenance of any kind shall in addition comply with the requirements of Section 10.13 of the Los Angeles Administrative Code.

2. A contractor may establish and adopt as its own Affirmative Action Plan, by affixing his or her signature thereto, an Affirmative Action Plan prepared and furnished by the Office of Contract Compliance, or it may prepare and submit its own Plan for approval.

L. The Office of Contract Compliance shall annually supply the awarding authorities of the City with a list of contractors and suppliers who have developed Affirmative Action Programs. For each contractor and supplier the Office of Contract Compliance shall state the date the approval expires. The Office of Contract Compliance shall not withdraw its approval for any Affirmative Action Plan or change the Affirmative Action Plan after the date of contract award for the entire contract term without the mutual agreement of the awarding authority and the contractor.

M. The Affirmative Action Plan required to be submitted hereunder and the pre-registration, pre-bid, pre-proposal or pre-award conference which may be required by the Board of Public Works, Office of Contract Compliance or the awarding authority shall, without limitation as to the subject or nature of employment activity, be concerned with such employment practices as:

1. Apprenticeship where approved programs are functioning, and other on-the-job training for non-apprenticeable occupations;

2. Classroom preparation for the job when not apprenticeable;

3. Pre-apprenticeship education and preparation;

Revised

4. Upgrading training and opportunities;

5. Encouraging the use of contractors, subcontractors and suppliers of all racial and ethnic groups, provided, however, that any contract subject to this ordinance shall require the contractor, subcontractor or supplier to provide not less than the prevailing wage, working conditions and practices generally observed in private industries in the contractor's, subcontractor's or supplier's geographical area for such work;

6. The entry of qualified women, minority and all other journeymen into the industry; and

7. The provision of needed supplies or job conditions to permit persons with disabilities to be employed, and minimize the impact of any disability.

N. Any adjustments which may be made in the contractor's or supplier's workforce to achieve the requirements of the City's Affirmative Action Contract Compliance Program in purchasing and construction shall be accomplished by either an increase in the size of the workforce or replacement of those employees who leave the workforce by reason of resignation, retirement or death and not by termination, layoff, demotion or change in grade.

O. Affirmative Action Agreements resulting from the proposed Affirmative Action Plan or the pre-registration, pre-bid, pre-proposal or pre-award conferences shall not be confidential and may be publicized by the contractor at his or her discretion. Approved Affirmative Action Agreements become the property of the City and may be used at the discretion of the City in its Contract Compliance Affirmative Action Program.

P. This ordinance shall not confer upon the City of Los Angeles or any Agency, Board or Commission thereof any power not otherwise provided by law to determine the legality of any existing collective bargaining agreement and shall have application only to discriminatory employment practices by contractors or suppliers engaged in the performance of City contracts.

Q. All contractors subject to the provisions of this section shall include a like provision in all subcontracts awarded for work to be performed under the contract with the City and shall impose the same obligations, including but not limited to filing and reporting obligations, on the subcontractors as are applicable to the contractor. Failure of the contractor to comply with this requirement or to obtain the compliance of its subcontractors with all such obligations shall subject the contractor to the imposition of any and all sanctions allowed by law, including but not limited to termination of the contractor's contract with the City.

Revised

Equal Benefits Ordinance

Sec. 10.8.2.1. Equal Benefits Ordinance.

Discrimination in the provision of employee benefits between employees with domestic partners and employees with spouses results in unequal pay for equal work. Los Angeles law prohibits entities doing business with the City from discriminating in employment practices based on marital status and/or sexual orientation. The City's departments and contracting agents are required to place in all City contracts a provision that the company choosing to do business with the City agrees to comply with the City's nondiscrimination laws.

It is the City's intent, through the contracting practices outlined in this Ordinance, to assure that those companies wanting to do business with the City will equalize the total compensation between similarly situated employees with spouses and with domestic partners. The provisions of this Ordinance are designed to ensure that the City's contractors will maintain a competitive advantage in recruiting and retaining capable employees, thereby improving the quality of the goods and services the City and its people receive, and ensuring protection of the City's property.

(c) Equal Benefits Requirements.

(1) No Awarding Authority of the City shall execute or amend any Contract with any Contractor that discriminates in the provision of Benefits between employees with spouses and employees with Domestic Partners, between spouses of employees and Domestic Partners of employees, and between dependents and family members of spouses and dependents and family members of Domestic Partners.

(2) A Contractor must permit access to, and upon request, must provide certified copies of all of its records pertaining to its Benefits policies and its employment policies and practices to the DAA, for the purpose of investigation or to ascertain compliance with the Equal Benefits Ordinance.

(3) A Contractor must post a copy of the following statement in conspicuous places at its place of business available to employees and applicants for employment: "During the performance of a Contract with the City of Los Angeles, the Contractor will provide equal benefits to its employees with spouses and its employees with domestic partners." The posted statement must also include a City contact telephone number which will be provided each Contractor when the Contract is executed.

(4) A Contractor must not set up or use its contracting entity for the purpose of evading the requirements imposed by the Equal Benefits Ordinance.

EXHIBIT C

Revised

(d) Other Options for Compliance. Provided that the Contractor does not discriminate in the provision of Benefits, a Contractor may also comply with the Equal Benefits Ordinance in the following ways:

(1) A Contractor may provide an employee with the Cash Equivalent only if the DAA determines that either:

a. The Contractor has made a reasonable, yet unsuccessful effort to provide Equal Benefits; or

b. Under the circumstances, it would be unreasonable to require the Contractor to provide Benefits to the Domestic Partner (or spouse, if applicable).

(2) Allow each employee to designate a legally domiciled member of the employee's household as being eligible for spousal equivalent Benefits.

(3) Provide Benefits neither to employees' spouses nor to employees' Domestic Partners.

(e) Applicability.

(1) Unless otherwise exempt, a Contractor is subject to and shall comply with all applicable provisions of the Equal Benefits Ordinance.

(2) The requirements of the Equal Benefits Ordinance shall apply to a Contractor's operations as follows:

a. A Contractor's operations located within the City limits, regardless of whether there are employees at those locations performing work on the Contract.

b. A Contractor's operations on real property located outside of the City limits if the property is owned by the City or the City has a right to occupy the property, and if the Contractor's presence at or on that property is connected to a Contract with the City.

c. The Contractor's employees located elsewhere in the United States but outside of the City limits if those employees are performing work on the City Contract.

(3) The requirements of the Equal Benefits Ordinance do not apply to collective bargaining agreements ("CBA") in effect prior to January 1, 2000. The Contractor must agree to propose to its union that the requirements of

Revised

the Equal Benefits Ordinance be incorporated into its CBA upon amendment, extension, or other modification of a CBA occurring after January 1, 2000.

(f) Mandatory Contract Provisions Pertaining to Equal Benefits. Unless otherwise exempted, every Contract shall contain language that obligates the Contractor to comply with the applicable provisions of the Equal Benefits Ordinance. The language shall include provisions for the following:

(1) During the performance of the Contract, the Contractor certifies and represents that the Contractor will comply with the Equal Benefits Ordinance.

(2) The failure of the Contractor to comply with the Equal Benefits Ordinance will be deemed to be a material breach of the Contract by the Awarding Authority.

(3) If the Contractor fails to comply with the Equal Benefits Ordinance the Awarding Authority may cancel, terminate or suspend the Contract, in whole or in part, and all monies due or to become due under the Contract may be retained by the City. The City may also pursue any and all other remedies at law or in equity for any breach.

(4) Failure to comply with the Equal Benefits Ordinance may be used as evidence against the Contractor in actions taken pursuant to the provisions of Los Angeles Administrative Code Section 10.40, et seq., Contractor Responsibility Ordinance.

(5) If the DAA determines that a Contractor has set up or used its Contracting entity for the purpose of evading the intent of the Equal Benefits Ordinance, the Awarding Authority may terminate the Contract on behalf of the City. Violation of this provision may be used as evidence against the Contractor in actions taken pursuant to the provisions of Los Angeles Administrative Code Section 10.40, et seq., Contractor Responsibility Ordinance.

Revised

TRUCKS ENTERING AND LEAVING THE PORT MUST USE THE ROUTE SHOWN BELOW.
CAMIÓNES ENTRANDO Y SALIENDO EL PORTO DEVEN DE USAR LA RUTA INDICADO ABAJO.

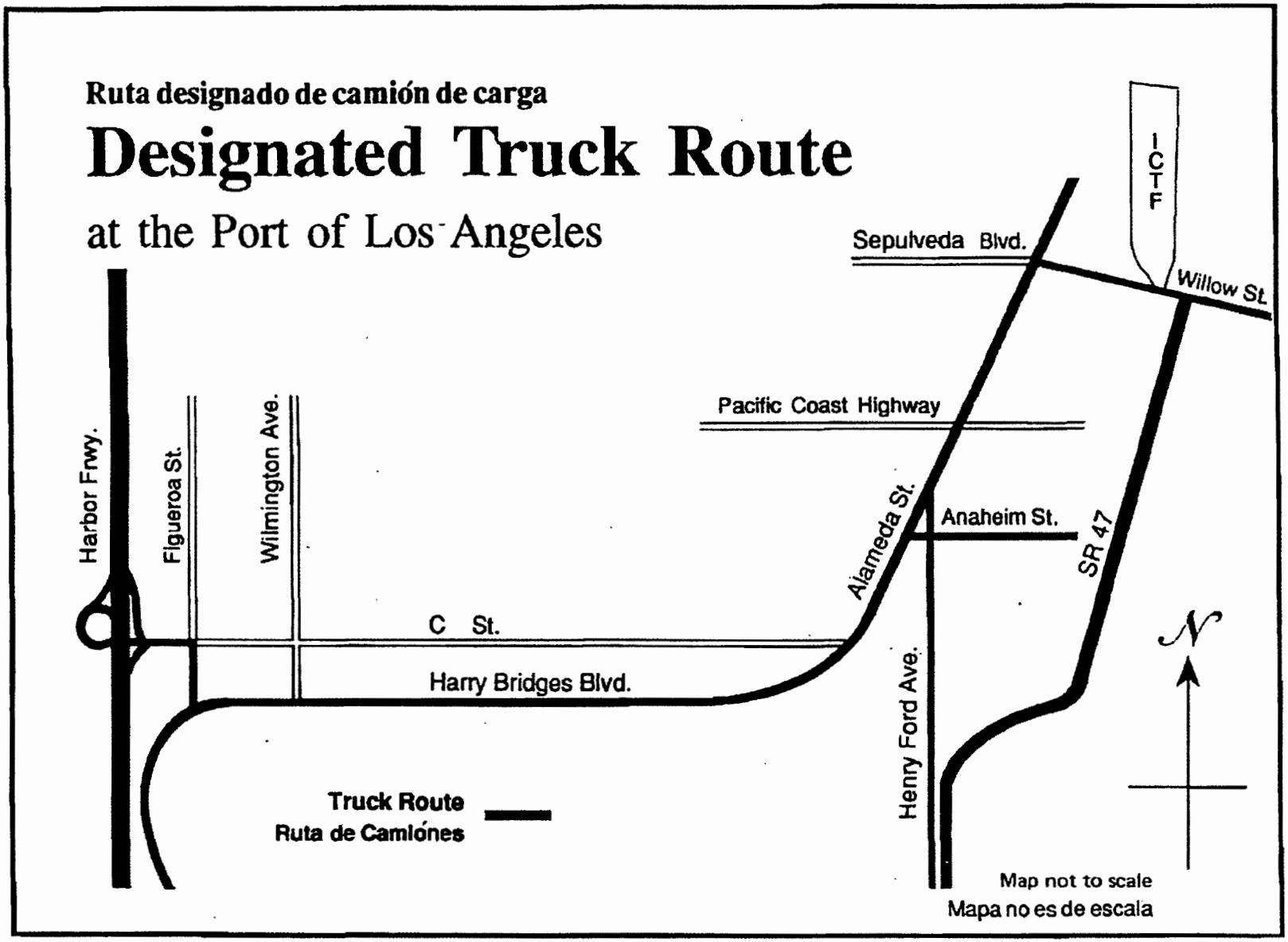


EXHIBIT D

Revised

EXHIBIT E

BASELINE REPORT

REMOVAL ACTION COMPLETION REPORT
PORT OF LOS ANGELES
CLASSIFICATION YARD
WILMINGTON, CALIFORNIA

Prepared for:

The Port of Los Angeles

Environmental Management Division
425 South Palos Verdes Street
San Pedro, California 90731

APP: 041027-199
Project No. 603127-015

January 12, 2016

Revised

REMOVAL ACTION COMPLETION REPORT
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January 12, 2016





Kevin Bryan, PG, CEG
Sr. Principal Geologist

Mark Withrow, PE
Project Engineer

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

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603127-015

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Revised

1.0 INTRODUCTION

Leighton Consulting, Inc. on behalf of the City of Los Angeles Harbor Department, Environmental Management Division (LAHD) has prepared this Removal Action Completion Report (FRACR) summarizing the removal activities associated with the LAHD property known as the "Classification Yard" in preparation for redevelopment of the property (hereafter referred to as "the Site" or "Site"). Removal activities for the Site were completed in accordance with the Removal Action Workplan (RAW) prepared by The Source Group, Inc., (SGI) (SGI, 2015).

The LAHD has leased the Site to Burlington Northern Santa Fe (BNSF) Railway Company which plans to construct a new near-dock intermodal rail facility known as the Southern California International Gateway Project (SCIG) on portions of the Site and adjacent parcels. The proposed development will require demolition of the existing structures and improvements at the Site prior to redevelopment. The SCIG project will encompass two separate areas: 1) the Port of Los Angeles (POLA) Classification Yard, an approximate 90 acre parcel; and 2) the adjacent Alameda Corridor Transportation Authority (ACTA) Maintenance Yard, an approximate 25 acre parcel. The focused removal actions discussed herein specifically address only portions of the 90 acre POLA Classification Yard area located north of the Pacific Coast Highway and south of Sepulveda Boulevard. The purpose of these removal activities was to remove known contaminated "hotspots" and to establish a baseline, prior to BNSF occupancy.

The RAW determined that the removal of specifically identified areas of soil with elevated concentrations of chemical contaminants from historical operations ("Hot Spots") would be the most time-, cost-, and technologically-effective method to achieve site-specific removal goals at the Site. Based on previous site assessments, the upper five feet of soil was conservatively assumed to represent the soil that may potentially be handled or exposed during the proposed Site redevelopment activities; therefore, the focused removal of contaminants of concern (COCs) was limited to the upper five feet of soil and deemed appropriate to be protective of future construction workers (SGI, 2015). References are provided in Appendix A.

1.1 Objective

The objective of the soil removal activities was to reduce the concentration of contaminants present in soil at previously identified "Hot Spots" at the Site and to establish a baseline of environmental conditions prior to BNSF's redevelopment

of the Site. The removal activities were not intended to represent remediation of all impacted soil materials at the Site or to be considered Final Removal Actions. Areas of impacted soil materials are likely to be encountered during the proposed redevelopment.

1.2 Soil Removal Goals

The primary goal of the soil removal action was to remove, to the extent practical, soil materials specifically identified in the RAW that have been impacted with Petroleum Hydrocarbons (TPH), Organochlorine Pesticides (OCPs), polychlorinated biphenyls (PCBs), or metals at concentrations that may pose a risk to future construction or railroad workers. Removal goals used as screening levels for the Site are as follows:

COC	Removal Goal	Comment
Lead	80 mg/kg and/or 5 mg/L soluble lead	DTSC Accepted level for future school sites; Areas where previous testing by STLC methods found to contain >5 mg/L of soluble lead will be remediated.
Arsenic	12 mg/kg	Regional Background Goal established by the DTSC
TPH – C_6-C_{12}	180 mg/kg	Berth 171-173 Cleanup Goal established by the RWQCB
TPH – C_9-C_{25}	180 mg/kg	Berth 171-173 Cleanup Goal established by the RWQCB
TPH – C_{24}-C_{40}	2,500 mg/kg	Berth 171-173 Cleanup Goal established by the RWQCB
VOCs	Various	Berth 171-173 Cleanup Goals established by the RWQCB
SVOCs	Various	Berth 171-173 Cleanup Goals established by the RWQCB
PCBs	Various	Berth 171-173 Cleanup Goals established by the RWQCB
OCPs	Various	Region 9 Residential Regional Screening Levels (RSLs), published by the United States Environmental Protection Agency (EPA), June 2015.

It should be noted that the removal goals used for determining the horizontal and vertical limits of excavation for OCPs during this investigation were based on the United States Environmental Protection Agency (USEPA) Region 9, residential regional screening levels (RSLs-r). The RAW indicated that the removal goal for OCPs, specifically, 4,4'-DDE, was 0.210 mg/kg. The RAW further indicated that this concentration was based on the site-specific cleanup goals developed by the RWQCB for POLA Berths 171-173. However, this number is believed to be a typographical error as site-specific cleanup goals were not developed for OCPs at Berths 171-173. The USEPA RSLs-r for OCPs utilized during the removal action are considered conservative in nature given the proposed Site redevelopment as an industrial rail yard.

1.3 Scope of Work

The following activities were performed to complete the objective:

- Preparation of a site-specific Health and Safety Plan (HASP) for the removal excavation activities;
- Pre-field coordination and mark-out that included painting the boundaries of the proposed removal areas and geophysical evaluation of existing utilities, pipelines, and other subsurface features;
- Excavation of approximately 580 cubic yards (approximately 800 tons) of impacted soil that was segregated and appropriately characterized and disposed of offsite as Non-Hazardous Waste;
- Collection of confirmation soil samples from the sidewalls and bottoms of the excavations in accordance with the RAW (SGI, 2015);
- Transport and disposal of impacted soil waste at appropriately permitted, Port approved treatment or disposal facility; and
- Preparation of this Removal Action Completion Report summarizing the results of the soil removals, including tables, illustrations, manifests, and laboratory analytical reports.

1.4 Site Location

The Site lies within an area of mixed commercial, industrial, and residential development within the Wilmington area of the City of Los Angeles, California. The Site is bound by Sepulveda Boulevard to the north, Dominguez Channel to the west, Terminal Island Freeway to the east, and Pacific Coast Highway to the south (Figure 1).

1.5 Site Description and Current Land Use

The Site is currently used for cross docking, warehousing, trailer maintenance and/or servicing, and large shipping container storage. Four principal tenants lease portions of the Site from the Los Angeles Harbor Department. The tenants include California Cartage Company, San Pedro Fork Lift, Inc., The Los Angeles Harbor Grain Terminal, and Three Rivers Trucking, Inc. Site features include paved asphalt parking areas, large warehouse structures, office trailers, grain silos, and railroad tracks. Additionally, multiple underground utility lines transect portions of the Site. The utility lines include sewer, water, and petroleum products.

1.6 Geology and Hydrogeology

Geology

The Site is located within the West Coast Sub-basin of the Coastal Plain of Los Angeles Basin and is commonly referred to as the "West Coast Basin". The West Coast Basin is bounded to the north by the Ballona Escarpment, an abandoned erosional channel from the Los Angeles River, to the east by the Newport-Inglewood fault zone, and to the south and west by the Pacific Ocean and consolidated rocks of the Palos Verdes Hills (California Department of Water Resources [CDWR], 1999). The surface of the West Coast Basin is crossed in the south by the Los Angeles River through the Dominguez Gap, and the San Gabriel River through the Alamitos Gap, both of which then flow into San Pedro Bay (CDWR, 1961).

The Site occurs within the Dominguez Gap which is comprised of Quaternary and Tertiary marine sediments that attain thicknesses of several thousand feet. The Site lies within the Gaspur Channel, a backfilled ancestral Los Angeles River

trench that unconformably overlies the marine sediments where the channel locally traverses the area.

The subsurface soils observed in excavations and borings completed during this investigation consisted primarily of artificial fill soils described as consisting of silty sands to sandy silts in the upper 5 feet below ground surface (bgs).

Hydrogeology

The water-bearing deposits of the West Coast Basin include the unconsolidated and semi-consolidated marine and alluvial sediments of Holocene, Pleistocene, and Pliocene ages (CDWR, 1961). The Los Angeles River is located approximately 5,000 feet east of the Site, and the Dominguez Channel borders the Site to the west.

Five major aquifers have been identified in the geologic formations underlying the West Coast Basin. The aquifers consist of (from oldest to youngest) the Silverado and Lynwood Aquifers of the San Pedro Formation, the Gage Aquifer of the Lakewood Formation, and the Gaspur and semi perched aquifers of the recent Holocene age alluvium. In general, the older/deeper Silverado and Lynwood aquifers are currently designated as drinking water sources and the younger/shallower aquifers (Gage, Gaspur, and semi perched) are not currently used for drinking water purposes due to low yield and/or generally poor quality (SGI, 2015).

Groundwater was not encountered in the excavations completed during this investigation. Based on previous assessments, groundwater at the Site ranges between 10 and 20 feet bgs.

1.7 Previous Site Investigations

Assessment of the Site has been on-going since 2011. A detailed description of previous assessments was provided in the RAW (SGI, 2015).

In 2011, a Phase I Environmental Site Assessment (ESA) was prepared for the proposed SCIG project area which included portions of the Site. Subsequently, multiple Phase II ESAs were completed by LAHD and BNSF. Soil, soil gas, and groundwater was investigated and resulted in the identification of specific areas where COCs, principally TPH, OCPs, and metals have been identified at concentrations that exceed regulatory thresholds established by the Los Angeles

Regional Water Quality Control Board (RWQCB) and the Department of Toxic Substances Control (DTSC).

An area of elevated volatile organic compounds (VOCs) and TPH was identified in the southwest corner of the Site. Impacted soil, soil gas, and groundwater are present in an approximate 300 feet by 600 feet area. Additional assessment and characterization of this area will occur at a later date and the activities and results for that phase of work will be summarized under separate cover.

2.0 SOIL REMOVAL ACTIVITIES PREPARATION

The following activities were preformed prior to implementing soil removal activities at the Site.

2.1 Health and Safety Plan

In accordance with standard environmental procedures, Leighton Consulting prepared a site-specific HASP to include safety aspects of the work to be performed at the Site. This HASP was prepared in general accordance with Chapter 29 of the Code of Federal Regulations (29 CFR) 1910.120 and Title 8 Section 5192 of the California Code of Regulations (CCR).

The HASP was maintained onsite with Leighton Consulting personnel at all times. This HASP outlined site procedures, potential hazards, and contained a hospital location map. Onsite Leighton personnel signed the HASP acknowledging acceptance. Tailgate safety meetings were held daily prior to the start of work and when conditions changed.

2.2 Air Monitoring

Dust and Vapor Control

A water truck was onsite at all times during excavation operations to spray the newly exposed soils and stockpiles with water to maintain dust control and suppress VOC vapors. A photoionization detector (PID) was used to screen the soil and work zone for VOC emissions when soil was excavated, stockpiled, or loaded into trucks. VOC impacted soil with measurable concentrations requiring South Coast Air Quality Management District (SCAQMD) 1166 Notification was not encountered during removal activities. Dust monitoring was performed continuously during the excavation activities using a Thermo MIE pDR-1000 handheld particulate meter. Dust monitoring and vapor suppression was implemented during the excavation, transportation, placement, and handling of impacted soils. Air monitoring protocols were followed in accordance with the Air Monitoring Plan developed in the RAW (SGI, 2015). Air monitoring logs are provided in Appendix B.

2.3 Site Utility Location and Clearance

Leighton Consulting field staff clearly delineated the proposed excavation boundaries with white paint prior to initiating field activities. Underground Services Alert (USA) was notified at least 48 hours prior to initiating any invasive work.

On August 12, 2015, a geophysical survey was performed at the Site prior to excavation activities. The objective of this survey was to determine whether buried structures or other impediments to excavation or sampling were present. During the survey, identified structures were marked on the ground (and designated as to whether the structure was a storm drain, water line, electrical conduit, natural gas line, or unknown).

2.4 Site Control

Temporary fencing and K–rail was installed around the perimeter of the excavations to prohibit entrance by non-essential personnel or the public. Hazard tape (e.g. Caution or Hazardous – Do Not Enter), signage, and barricades were used to delineate the work site hazards. Smaller excavation areas were covered with traffic-rated steel plates once removal activities were complete or at the end of each day if not complete.

2.5 Step-out Direct Push Soil Borings

Prior to the start of excavation operations, Leighton Consulting collected soil samples from 35 step-out soil borings (LB-1 through LB-35). The purpose of the additional borings was to further delineate the vertical and lateral extent of COCs observed during previous assessments near excavation area REM-5. The step-out samples were collected using direct push drilling equipment operated by J&H Drilling Co. Inc., of Buena Park, California. The locations of the step-out borings are illustrated in Figure 3.

Soil samples were collected from each step-out boring at depths of 1 foot and 3 feet bgs. Continuous soil cores were collected from the direct push borings, and 6-inch soil sample sections were cut from the cores at the specified depths and retained for laboratory analyses. Initially, the step-out soil borings closest to the previous assessment borings which had COCs in soil that exceeded Site screening criteria were analyzed, while the remaining samples were placed on

hold at the laboratory. Additional step-out soil borings were then only analyzed if the initial step-out samples exceeded the Site screening criteria, or if the excavation confirmation samples exceeded Site screening criteria. The step-out boring soil samples were only analyzed for the COCs that exceeded Site screening criteria at each specific location based on previous assessments. As a result, select soil borings were analyzed for one or more COCs including: TPH, OCPs, and PCBs by EPA Methods 8015M, 8081, and 8082, respectively. The results of laboratory analyses performed on samples obtained from the step-out borings are presented in Tables 1 through 3. Copies of the laboratory reports are presented in Appendix C.

3.0 SOIL REMOVAL ACTIVITIES

Laboratory data associated with soil samples collected during previous assessments completed by SGI and TRC Solutions, Inc. (TRC) were used in the RAW to identify areas where concentrations of COCs in soil exceeded the Site screening criteria and required removal. The RAW was used to prepare an excavation plan that included 10 removal areas of soil containing concentrations of COCs that exceeded Site screening criteria (Figure 2).

The excavation areas were professionally surveyed by POLA surveying crew and the data, including horizontal and vertical control, northings and eastings, and elevations are provided in Appendix D. During the removal process, the excavations were expanded horizontally and vertically as necessary, based on the results of laboratory analyses performed on confirmation samples, field observations, and field instrument readings. Soil removed from areas of petroleum hydrocarbon impacts, and visually stained soil, was monitored with a properly calibrated PID.

A total of approximately 800 tons of impacted soil were excavated at the Site between August 13 and September 18, 2015. The soil was disposed as Non-Hazardous Waste. Soil characterized as Non-Hazardous Waste typically contained concentrations of petroleum hydrocarbons and OCPs exceeding the Site screening levels, but passing state and federal hazardous waste criteria.

The excavation and removal of the impacted soil was performed by Griffith Company (Griffith) of Santa Fe Springs, California under the direct supervision of Leighton Consulting. Griffith is a licensed contractor who employs equipment operators that hold current Hazardous Waste Operation and Emergency Response (HAZWOPER) certifications.

Depths of soil removals were based on the depth of excavation or soil disturbance anticipated for future Site redevelopment. Therefore, soil removal was limited to the upper five feet of soil, and the majority of excavations were extended to a depth of 3 feet bgs.

The impacted soils removed were transported to Chiquita Canyon Landfill in Castaic, California, an appropriately permitted facility for disposal.

All excavated soil was placed on plastic sheeting and covered with plastic at the end of each work shift. Confirmation samples were collected from the bottoms and sidewalls

of the excavations in accordance with the Sampling and Analysis Plan (SAP) of the RAW (SGI, 2015). The confirmation samples were collected and submitted to Eurofins Calscience, Inc. (Eurofins) in Garden Grove, California.

3.1 Areas of Soil Removal

As identified in the RAW, 10 areas of soil containing concentrations of COCs above Site cleanup goals were removed as non-hazardous waste. Depths of the removals for these areas were:

Non- Hazardous Area	Depth of Removal
REM-1	0 to 3 feet bgs
REM-2	0 to 3 feet bgs
REM-3	0 to 3 feet bgs
REM-4	0 to 3 feet bgs
REM-5	0 to 3 feet bgs
REM-6	0 to 3 feet bgs
REM-7	0 to 5 feet bgs
REM-8	0 to 3 feet bgs
REM-9	0 to 5 feet bgs
REM-10	0 to 5 feet bgs

Several of the excavation areas were expanded beyond the boundaries identified in the RAW. Additional soil was removed based on conditions encountered during the field activities that included:

1. Visible staining or other indications of impacts such as odorous soil.
2. Soil containing concentrations of COCs that exceeded Site screening thresholds.

Figure 2 illustrates the boundaries where the soil containing non-hazardous concentrations of TPH, OCPs, PCBs, and metals were removed.

A total of approximately 800 tons of non-hazardous waste were removed from Site.

3.2 Other Field Observations

A distinct sandy gravel layer stained with a black crude oil-like substance was observed in excavation areas: REM-5, REM-6, and REM-7 (Figures 4 and 7). The stained gravel layer was laterally discontinuous and generally between 2 inches and 6 inches in thickness. Photographs of the stained gravel layer are included in Appendix E. The stained soil was removed to a certain extent; however, after expanding excavation areas REM-5, REM-6, and REM-7 the stained layer was still visible and left in place. The lateral extent of the stained gravel layer remains unknown and generally occurred at a depth between 1 foot and 2 feet bgs. A further discussion of this layer is included in Section 6.0.

3.3 Profiling, Loading, Transport, and Disposal

Impacted soil was characterized prior to loading or disposal through stockpile sampling in accordance with the RAW. Generally, two soil samples were collected from each stockpile generated during excavation activities from removal areas REM-1 through REM-10. A profile for Non-Hazardous Waste was prepared for Chiquita Canyon Landfill. Port personnel reviewed and approved all profiles. Stockpile sample results were submitted to Chiquita Canyon Landfill prior to shipment to confirm the waste was consistent with the profiles.

Non-hazardous waste soils generated during the removal activities were transported to the appropriate disposal facilities by Belshire Environmental Services, Inc. (Belshire) of Foothill Ranch, California. All truck beds were covered prior to exiting the Site and the exterior surfaces and tires of all trucks were brushed off and inspected prior to the issuance of a manifest to the truck driver. Copies of the Non-Hazardous Waste manifests and weight tickets are included in Appendix F.

3.4 Field Documentation

Field personnel maintained field log books that were used to document site activities. Field personnel also photo-documented various stages and aspects of the soil removal activities. Photographs of the soil removal activities are provided in Appendix E.

4.0 CONFIRMATION SAMPLING ACTIVITIES

Confirmation samples were collected from the bottoms and sidewalls of the excavations when the removals reached the boundaries of the removal areas as depicted in the RAW (SGI, 2015). The confirmation samples were collected directly from the sidewall or bottom of the excavation, when safe, or from the teeth of the backhoe when the excavations could not be safely entered. Additional removals were required in specific areas based on the results of laboratory analyses performed on the initial confirmation samples that contained concentrations of COCs that exceeded the Site screening levels. Additional confirmation samples were collected from the sidewalls or bottoms of the expanded excavations and were submitted to Eurofins for chemical analysis. The removals were performed in an iterative fashion in order to remove as much of the impacted soil as practical. All samples were transported under appropriate chain-of-custody documentation, to a state-certified laboratory.

The rationale used to select the analytical methods for the excavation confirmation samples was in accordance with the Sampling and Analysis Plan (SAP) presented in the RAW (SGI, 2015). The confirmation samples from each excavation area were analyzed for only the COCs that were above Site cleanup goals as determined by previous Site assessments. Additional analysis was requested in several excavation areas based upon field observations such as stained soil. Each excavation area's confirmation samples were analyzed for COCs as follows:

Excavation Area	COCs
REM-1	TPH
REM-2	TPH and Arsenic
REM-3	TPH
REM-4	TPH and PCBs
REM-5	TPH, OCPs, PCBs, lead
REM-6	TPH
REM-7	TPH
REM-8	OCPs
REM-9	Arsenic
REM-10	Arsenic

A Trimble GPS unit – Model Geo XH 2005 Series was used by Leighton Consulting personnel to accurately survey the boundaries of the excavations and locations of the confirmation samples after the final lateral limits of the excavations were reached. Additionally, the boundaries of each excavation were professionally surveyed by POLA surveying crew.

TRC personnel were at the Site to observe excavation and confirmation sampling activities on behalf of BNSF. Additionally, TRC collected and analyzed confirmation samples at their own discretion. The results of laboratory analyses performed on confirmation soil samples collected by TRC are summarized in Appendix G.

4.1 Laboratory Analyses

Confirmation soil samples selected for analysis were analyzed by one or more of the following EPA Methods:

- EPA Method 8015M for TPH;
- EPA Method 8081 for OCPs;
- EPA Method 8082 for PCBs;
- EPA Method 6010 for arsenic and lead.

4.2 Confirmation Sampling Procedure

The confirmation samples were collected in accordance with the SAP of the RAW (SGI, 2015). Confirmation sidewall samples were collected at a minimum of one sample every 25 feet of linear horizontal sidewall. Excavation bottom samples were collected using roughly 20- by 20-feet sampling grids or at a minimum of one sample every 400 square feet of excavation bottom. A minimum of one sample was collected from each sidewall and the bottom of smaller excavations. Sidewall samples were collected between 1 foot and 2.5 feet bgs from excavations less than 3 feet in depth and between 2 feet and 4 feet bgs from excavations greater than 3 feet in depth. Generally, one sample was collected from each sidewall in excavations less than 3 feet in depth and two samples were collected from each sidewall in excavations greater than 3 feet in depth. Some confirmation sample locations were adjusted based on field observations such as stained soil. Excavation areas REM-5, REM-6, and REM-7 had confirmation samples collected within the stained soil layer and within 6-

inches to 1-foot below the stained layer. The locations where final confirmation samples were collected are illustrated in Figures 4 through 10.

Confirmation samples were labeled using the following rationale:

Soil samples were assigned a unique number that indicates the excavation area number (REM-1, REM-2, etc.), followed by "S" or "D" for shallow or deep excavation, followed by "N," "S," "E," "W," or "F" (indicating the sample was collected from the north [N], south [S], east [E], or west [W] sidewall, or from the excavation floor [F]) with a sequential number if more than one sample was collected from a sidewall or from the excavation floor, and then a number "1.5" indicating the depth at which the sample was collected. For example, the sample REM-6-S-E2-1.5' would be the second [2] sample collected at a depth of "1.5" feet bgs from the east [E] sidewall of the shallow [S] REM-6 excavation. Duplicate soil samples were labeled with a "D" after the sample identification.

Confirmation soil samples were immediately placed into laboratory-supplied glass jars with Teflon-lined lids. All samples were placed into coolers with ice and transported under strict chain-of-custody protocol to Eurofins for chemical analysis.

4.2.1 Stockpile Samples

A total of 21 soil samples were collected from stockpiled soil for characterization purposes and to verify that wastes were disposed in accordance with state and federal guidelines. These samples were collected directly from the stockpile, placed into laboratory-supplied glass jars with Teflon-lined lids, and transported to Eurofins for analysis.

Confirmation samples were labeled using the following rationale:

Stockpile soil samples were assigned a unique number that includes the excavation area number (REM-1, REM-2, etc.), followed by letters 'SS' to designate that the sample is from a soil stockpile, followed by a number indicating the stockpile number, and then a sequential number that uniquely identifies the sample in the stockpile. For example, sample REM-5-SS1-2 indicates soil sample 2 was collected from soil stockpile 1 of excavation area REM-5.

Laboratory reports containing stockpile sample results are included in Appendix C.

4.3 Step-Out Boring Results

The results of laboratory analyses performed on the step-out soil borings are summarized below and presented in Tables 1 through 3. Copies of the laboratory reports are presented in Appendix C. The locations of the step-out soil borings are illustrated on Figure 3.

Thirty-eight soil samples were collected from 19 step-out borings and analyzed for one or more COCs including: TPH, OCPs, and PCBs by EPA Methods 8015M, 8081, and 8082. Results are as follows:

- TPH (carbon range C6-C12) was detected in two of the 34 samples at concentrations of 236 mg/kg in sample LB-9-1 and 260 mg/kg in sample LB-30-1.
- TPH (carbon range C9-C24) was detected in six of the 34 samples at concentrations ranging from 10 mg/kg in sample LB-32-3 to 13,980 mg/kg in sample LB-30-1.
- TPH (carbon range C25-C44) was detected in nine of the 34 samples at concentrations ranging from 87 mg/kg in sample LB-4-1 to 17,050 mg/kg in sample LB-30-1.
- The OCP, 4,4'-DDD, was detected in 18 of the 38 samples at concentrations ranging from 6.6 µg/kg in sample LB-16-1 to 330 µg/kg in sample LB-30-1.
- The OCP, 4,4'-DDE, was detected in 31 of the 38 samples at concentrations ranging from 5.2 µg/kg in sample LB-30-3 to 1,400 µg/kg in sample LB-12-1.
- The OCP, 4,4'-DDT, was detected in 10 of the 38 samples at concentrations ranging from 5.1 µg/kg in sample LB-26-1 to 65 µg/kg in sample LB-30-1.
- PCBs were not detected at concentrations above the laboratory reporting limits.

4.4 Confirmation Sampling Results

The results of laboratory analyses performed on confirmation soil samples are summarized in the following sub-sections and are presented in Tables 1 through 4. Copies of the laboratory reports are presented in Appendix C.

A total of 151 soil samples were collected from the bottoms and sidewalls of excavations during the soil removal activities. However, additional removals were performed in some areas where COCs exceeded the Site screening levels. The sidewalls and bottoms of the excavations after all removals had been completed are represented by 133 samples that will be identified as "confirmation samples" in the following sections of this report. Figures 4 through 10 illustrate the locations of the 133 confirmation samples that represent the final conditions and configurations of the excavations.

4.4.1 REM-1

Five confirmation soil samples were collected from REM-1 and analyzed for TPH by EPA Method 8015M. Results are as follows:

- TPH (carbon range C6-C12) was not detected at concentrations above the laboratory reporting limits.
- TPH (carbon range C9-C24) was not detected at concentrations above the laboratory reporting limits.
- TPH (carbon range C25-C40) was detected in four of the five samples at concentrations ranging from 9 milligrams per kilogram (mg/kg) in sample REM-1-S-W1-2 to 268 mg/kg in sample REM-1-S-F-3.

TPH concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.2 REM-2

Five confirmation soil samples were collected from REM-2 and analyzed for TPH and arsenic by EPA Methods 8015M and 6010. Results are as follows:

- TPH (carbon range C6-C12) was not detected at concentrations above the laboratory reporting limits.

- TPH (carbon range C9-C24) was not detected at concentrations above the laboratory reporting limits.

- TPH (carbon range C25-C40) was detected in two of the five samples at concentrations of 29.3 mg/kg in sample REM-2-S-W1-2 and 380 mg/kg in sample REM-2-S-F-3.

- Arsenic was detected in all of the samples at concentrations ranging from 2.38 mg/kg in sample REM-2-S-S1-2 to 8.29 mg/kg in sample REM-2-S-F-3.

TPH and arsenic concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.3 REM-3

Five confirmation soil samples were collected from REM-3 and analyzed for TPH by EPA Method 8015M. Results are as follows:

- TPH (carbon range C6-C12) was not detected at concentrations above the laboratory reporting limits.

- TPH (carbon range C9-C24) was detected in three of the five samples at concentrations ranging from 27 mg/kg in sample REM-3-S-W1-2 to 49 mg/kg in sample REM-3-S-E1-2.

- TPH (carbon range C25-C40) was detected in four of the five samples at concentrations ranging from 90 mg/kg in sample REM-3-S-W1-2 to 374 mg/kg in sample REM-3-S-F-3.

TPH concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.4 REM-4

Five confirmation soil samples were collected from REM-4 and analyzed for TPH and PCBs by EPA Methods 8015M and 8082. Results are as follows:

- TPH (carbon range C6-C12) was not detected at concentrations above the laboratory reporting limits.

- TPH (carbon range C9-C24) was not detected at concentrations above the laboratory reporting limits.

- TPH (carbon range C25-C40) was not detected at concentrations above the laboratory reporting limits.

- PCBs were not detected at concentrations above the laboratory reporting limits.

TPH and PCBs concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.5 REM-5

Excavation area REM-5 consisted of six subcontiguous areas as illustrated on Figure 4. Seventy-four confirmation soil samples (including duplicates) were collected from REM-5 and analyzed for one or more COCs including, TPH, OCPs, PCBs, and lead by EPA Methods 8015M, 8081, 8082, and 6010. Results are as follows:

- TPH (carbon range C6-C12) was detected in three of the 74 samples at concentrations ranging from 5.9 mg/kg in sample REM-5-7S-N1-1.5 to 440 mg/kg in sample REM-5-5S-W2-1.5.

- TPH (carbon range C9-C24) was detected in 25 of the 74 samples at concentrations ranging from 5.4 mg/kg in sample REM-5-3S-N6-2.5 to 9,990 mg/kg in sample REM-5-5S-W2-1.5.

- TPH (carbon range C25-C40) was detected in 32 of the 74 samples at concentrations ranging from 5.4 mg/kg in sample REM-5-4S-S1-2 to 4,000 mg/kg in duplicate sample REM-5-6S-N1-1.0 D.

- The OCP, 4,4'-DDD, was detected in 33 of the 69 samples at concentrations ranging from 8.4 µg/kg in sample REM-5-6S-E2-2 to 330 µg/kg in sample REM-5-5S-W2-1.5.

- The OCP, 4,4'-DDE, was detected in 57 of the 69 samples at concentrations ranging from 5.8 µg/kg in sample REM-5-6S-F1-3 to 2,000 µg/kg in sample REM-5-5S-S5-1.5.

- The OCP, 4,4'-DDT, was detected in 22 of the 69 samples at concentrations ranging from 5.8 µg/kg in sample REM-5-3S-F2-3 to 190 µg/kg in sample REM-5-5S-E2-1.5.

- The OCP, dieldrin, was detected in two of the 69 samples at concentrations of 15 µg/kg in sample REM-5-3S-E4-1.5 and 34 µg/kg in sample REM-5-3S-E3-1.5.

- The PCB, Aroclor 1254, was detected in four of the 50 samples at concentrations ranging from 74 µg/kg in sample REM-5-3S-E3-1.5 to 310 µg/kg in sample REM-5-4S-N1-1.5.

- The PCB, Aroclor 1260, was detected in one of the 50 samples at a concentration of 330 µg/kg in sample REM-5-5S-W2-1.5.

- Lead was detected in all of the 43 samples analyzed at concentrations ranging from 2.19 mg/kg in duplicate sample REM-5-5S-F4-3 D to 54.3 mg/kg in sample REM-5-3S-E4-1.5.

TPH concentrations exceeded the Site screening criteria of 180 mg/kg for carbon ranges C6-C12 and C9-C24 or 2,500 mg/kg for carbon range C25-C40 in the confirmation samples collected from the north sidewall in excavation REM-5-2S, east sidewall in excavation REM-5-3S, north and east sidewalls in excavation REM-5-4S, north, west, and south sidewalls in excavation REM-5-5S, north and west sidewalls in excavation REM-5-6S, and north, west, and south sidewalls in excavation REM-5-7S. The majority of the confirmation soil samples exceeding the Site screening criteria were located within the laterally discontinuous stained gravel layer discussed in Section 3.2 and Section 6.0. Additional samples were collected approximately 6-inches to 1-foot beneath this layer and their corresponding TPH concentrations were below the Site screening criteria. Confirmation sampling locations where TPH concentrations exceeded the Site screening criteria are illustrated on Figure 4.

The PCB, Aroclor 1254, concentrations exceeded the Site screening criteria of 0.37 µg/kg in the confirmation samples collected from the east sidewall in excavation REM-5-3S and north and east sidewalls in excavation REM-5-4S. The majority of the confirmation soil samples exceeding the Site screening criteria were located within the laterally discontinuous stained gravel layer discussed in Section 3.2 and Section

6.0. Additional samples were collected approximately 6-inches to 1-foot beneath this layer and their corresponding Aroclor 1254 concentrations were below the Site screening criteria. Confirmation sampling locations where PCBs concentrations exceeded the Site screening criteria are illustrated on Figure 4.

OCPs and lead concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.6 REM-6

Eight confirmation soil samples (including duplicates) were collected from REM-6 and analyzed for TPH by EPA Method 8015M. Results are as follows:

- TPH (carbon range C6-C12) was not detected at concentrations above the laboratory reporting limits.
- TPH (carbon range C9-C24) was detected in four of the eight samples at concentrations ranging from 46 mg/kg in sample REM-6-S-W2-1.5 to 3,420 mg/kg in sample REM-6-S-S2-1.5.
- TPH (carbon range C25-C40) was detected in five of the eight samples at concentrations ranging from 6.9 mg/kg in sample REM-6-S-F-3 to 5,060 mg/kg in sample REM-6-S-S2-1.5.

TPH concentrations exceeded the Site screening criteria of 180 mg/kg for carbon range C9-C24 or 2,500 mg/kg for carbon range C25-C40 in the confirmation samples collected from the east, west, and south sidewalls of the excavation. A majority of the confirmation soil samples exceeding the Site screening criteria were located within the laterally discontinuous stained gravel layer discussed in Section 3.2 and Section 6.0. Additional samples were collected approximately 6-inches to 1-foot beneath this layer and their corresponding TPH concentrations were below the Site screening criteria. Confirmation sampling locations where TPH concentrations exceeded the Site screening criteria are illustrated on Figure 7.

4.4.7 REM-7

Seven confirmation soil samples were collected from REM-7 and analyzed for TPH by EPA Method 8015M. Results are as follows:

- TPH (carbon range C6-C12) was detected in one of the seven samples at a concentration of 10 mg/kg in sample REM-7-S-S1-2.5.
- TPH (carbon range C9-C24) was detected in two of the seven samples at concentrations of 40 mg/kg in sample REM-7-S-E3-4 to 94.9 mg/kg in sample REM-7-S-S1-2.5.
- TPH (carbon range C25-C40) was detected in three of the seven samples at concentrations ranging from 24.5 mg/kg in sample REM-7-S-E3-4 to 75.6 mg/kg in sample REM-7-S-W1-2.5.

TPH concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.8 REM-8

Five confirmation soil samples were collected from REM-8 and analyzed for OCPs by EPA Method 8081. Results are as follows:

- The OCP, 4,4'-DDE, was detected in one of the five samples at a concentration of 43 micrograms per kilogram (µg/kg) in sample REM-8-S-F-3.
- The OCP, 4,4'-DDT, was detected in one of the five samples at a concentration of 9.4 µg/kg in sample REM-8-S-F-3.

OCPs concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.4.9 REM-9

Nine confirmation soil samples were collected from REM-9 and analyzed for arsenic by EPA Method 6010. Results are as follows:

- Arsenic was detected in all of the samples at concentrations ranging from 1.03 mg/kg in sample REM-9-D-S3-2 to 25.0 mg/kg in sample REM-9-D-F-5.

Arsenic concentrations exceeded the Site screening criteria of 12 mg/kg in the excavation bottom confirmation sample REM-9-D-F-5 and are illustrated on Figure 9.

4.4.10 REM-10

Ten confirmation soil samples (including duplicates) were collected from REM-10 and analyzed for arsenic by EPA Method 6010. Results are as follows:

- Arsenic was detected in all of the samples at concentrations ranging from 1.33 mg/kg in sample REM-10-D-W1-2 to 5.44 mg/kg in sample REM-10-D-F-5.

Arsenic concentrations did not exceed the Site screening criteria in the confirmation samples collected.

4.5 Data Validation

Chain-of-custody forms that accompanied the samples were reviewed for accuracy and completeness prior to submittal to the testing laboratory. After the laboratory reports were generated, the testing procedures were compared to those requested on the chain-of-custody form to check for accuracy and completeness. Laboratory results were reviewed for quality control parameters. Laboratory accuracy and precision were determined to be within acceptable ranges, therefore, the laboratory results were determined to be adequate for the purpose of this evaluation.

5.0 SITE RESTORATION AND BACKFILL ACTIVITIES

Backfill activities at the Site were performed between September 3 and 18, 2015. Clean import soil that met the LAHD's requirements for import fill (Appendix H) was used to backfill the excavation areas. The excavation bottoms were moisture conditioned as necessary; import soil was placed into the excavation in loose lifts and mechanically compacted using heavy construction equipment and/or a hand-held mechanical compactor. Field density tests were performed to verify the in-place density of the fill. The fill was tested using a minimum compaction standard of 90 percent of the maximum dry density in accordance with ASTM D6938 (nuclear gauge). The surface of each excavation area was finished with asphalt concrete and was tested using a minimum compaction standard of 95 percent of its maximum dry density. The maximum dry density of the asphalt concrete was provided by the asphalt plant. The results of the density tests are documented in the Field Density Test Data Forms included in Appendix I.

Laboratory tests were performed on representative samples of the import soil. The maximum dry density-optimum moisture relationship of the fill materials was determined in general accordance with ASTM D1557. Results of the laboratory tests are included in Appendix I.

Backfill activities at the Site were performed between September 3 and 18, 2015 and a total of approximately 900 tons of import fill and 177 tons of asphalt concrete were used to backfill and pave the excavations.

6.0 SUMMARY AND CONCLUSIONS

Soil containing petroleum hydrocarbons, OCPs, PCBs, VOCs, semi-VOCs, and metals were identified during previous investigations performed by SGI and TRC at the Site. The areas of soil exceeding the Site screening criteria were identified and delineated in the field as 10 excavation areas (REM-1 through REM-10 of the RAW). The impacted soils were removed to the extent practical between August 13 and September 18, 2015 and included a total of approximately 800 tons of non-hazardous waste.

Confirmation samples were collected from freshly exposed soil in the bottom and sidewalls of the excavations as the excavations reached their proposed depths and lateral extents. A total of 151 soil samples were collected from the bottoms and sidewalls of excavations during the soil removal activities. However, additional removals were performed in specific areas where COCs detected in individual soil samples exceeded the Site screening levels. The final configurations of the sidewalls and bottoms of the excavations, after all removals had been completed, are represented by 133 “confirmation samples”. Figures 4 through 10 illustrate the locations of the 133 confirmation samples that represent the final conditions and configurations of the excavations.

A horizontal sandy gravel layer stained with a black oil-like substance was observed in the sidewalls of excavation areas REM-5, REM-6, and REM-7. The stained gravel layer was laterally discontinuous, generally between 2 inches and 6 inches in thickness, and generally encountered at depths between 1 foot and 2 feet bgs consistently in the excavation areas listed above. The stained layer was removed to a practical extent; however, after laterally expanding excavation areas REM-5, REM-6, and REM-7 the stained layer was still visible and consistent in both depth and thickness. LAHD was notified of this layer and a site meeting was held to discuss the impact of this relatively thin layer. Additional samples were collected approximately 6-inches to 1-foot beneath this layer to confirm the vertical extent of contamination, and the corresponding concentrations of COCs in soil were below the Site screening criteria. Therefore, continuing iterative removal and resampling activities was not considered practical because of the relatively minimal vertical distribution of the stained soil layer and lack of complete delineation of its lateral extent. The stained soil left in-place contains elevated concentrations of TPH, OCPs, and PCBs and should be identified, removed and stockpiled separately for disposal during site redevelopment.

TPH was detected at concentrations that exceed the Site screening criteria of 180 mg/kg for carbon ranges C6-C12 and C9-C24 or 2,500 mg/kg for carbon range C25-

C44 in 13 confirmation samples from REM-5 and two confirmation samples from REM-6 at a maximum concentration of 13,000 mg/kg total TPH in sample REM-5-5S-W2-1.5. The majority of the elevated TPH concentrations were located within the stained soil layer discussed above and left in place.

The PCB, Aroclor 1254, was detected at concentrations that exceed the Site screening criteria of 0.37 µg/kg in four confirmation samples collected from REM-5 at a maximum concentration of 310 µg/kg in sample REM-5-4S-N1-1.5. The majority of the elevated Aroclor 1254 concentrations were located within the stained soil layer discussed above and left in place.

Arsenic was detected at concentrations that exceed the Site screening criteria of 12 mg/kg in one confirmation sample, REM-9-D-F-5, from the excavation bottom of REM-9 at a concentration of 25.0 mg/kg in sample REM-9-D-F-5. Additional removals were not completed because the maximum depth of excavation, 5 feet bgs, was already achieved.

Lead concentrations in the confirmation samples collected did not exceed the DTSC HERO Note Number 3 screening criteria of 80 mg/kg.

OCPs concentrations in the confirmation samples collected did not exceed the USEPA Region 9 residential regional screening levels.

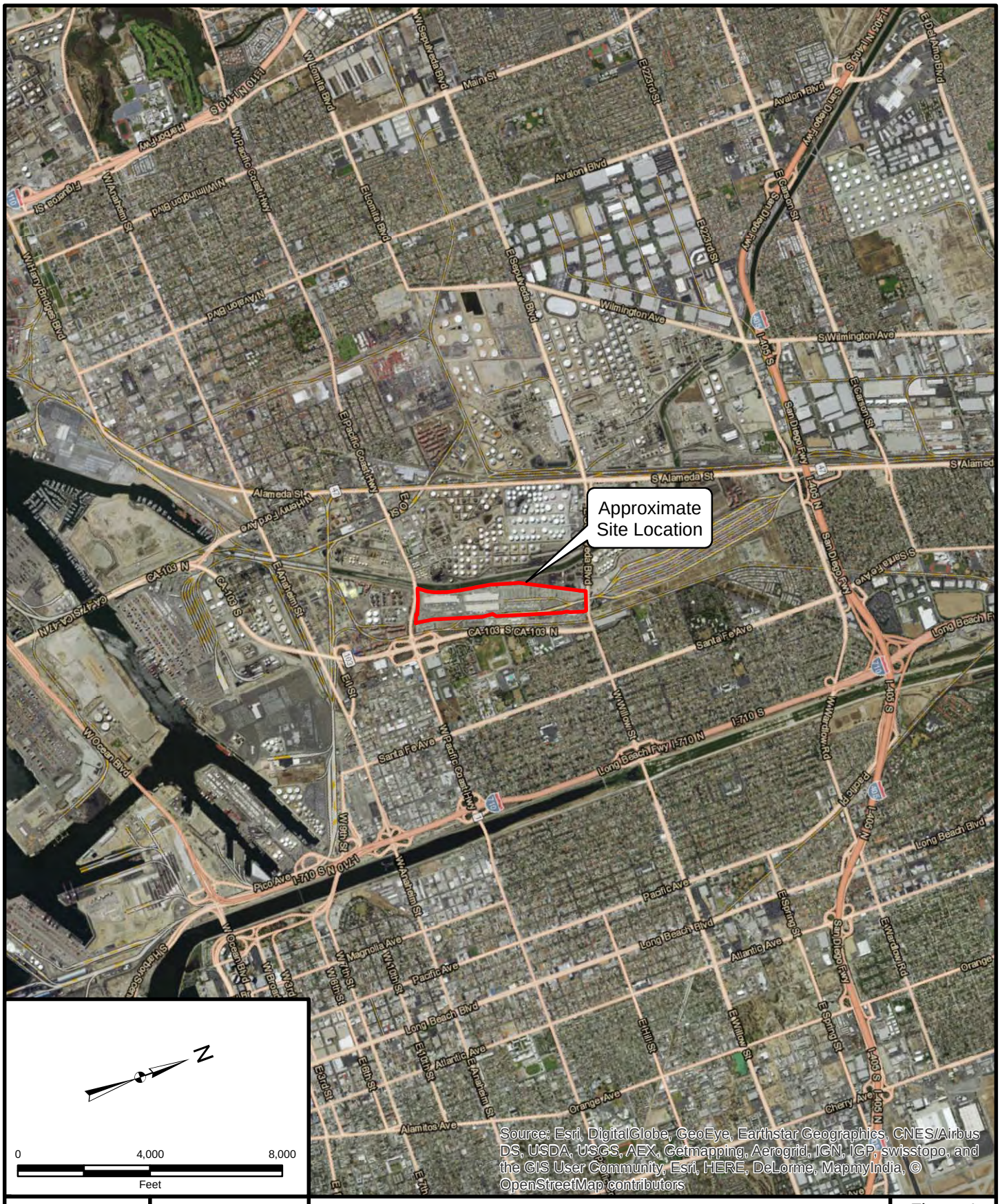
The excavations were backfilled with clean import fill that met LAHD's requirements for imported fill and compacted to a minimum of 90 percent of the maximum dry density. The surface was repaved with asphalt concrete to match the existing grades.

It is Leighton Consulting's opinion that the focused removal actions conducted meet the objectives of reducing the concentrations of COCs present in soil at the Site and establishing a baseline of environmental conditions prior to BNSF's redevelopment of the Site.

Based on the industrial and commercial nature of the Site and surrounding area and the impacted soil and groundwater documented during this investigation and previous assessments, Leighton Consulting recommends the preparation of a Waste Management Plan (WMP) prior to the redevelopment of the Site. The WMP should be utilized by LAHD and BNSF in project planning and decision-making at the Site with regard to handling and disposal of impacted soil and groundwater that may be encountered during Site redevelopment.

In general, observations should be made during future property development to identify areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, and tanks, stained soil or odorous soils. Should such materials be encountered, further investigation and analysis may be necessary at that time.

Revised



Project: 603127.015	Eng/Geol:
Scale:1 " = 4,000 '	Date: October 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

SITE LOCATION MAP

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 1

Leighton

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Revised

Legend

Approximate Site Boundary

Excavations Areas

REM-6

Scale: 1"=25'

REM-7

Scale: 1"=25'

REM-5

Scale: 1"=100'

REM-2

Scale: 1":10'

REM-10

Scale: 1"=25'

REM-9

Scale: 1"=25'

REM-8

Scale: 1":10'

REM-1

Scale: 1"=25'

REM-3

Scale: 1"=25'

REM-4

Scale: 1"=25'

N

0 400 800

Feet

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Scale: 1 " = 400 '	Date: October 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

SITE PLAN

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 2

Leighton

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Revised



Project: 603127.015	Eng/Geol:
Scale:1 " = 25 '	Date: October 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

STEP-OUT BORING LOCATION MAP

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 3

Leighton

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Revised

Legend

- Approximate Site Boundary
- Excavations Areas

Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg

REM-5-6S-W1-1
TPH C9-C24: 1,224
REM-5-6S-W2-2
REM-5-6S-F1-3
REM-5-6S-S1-1
REM-5-6S-S2-2
REM-5-6S-N1-1
TPH C9-C24: 2,780
C25-C40: 4,000
REM-5-6S-N2-2
REM-5-6S-E1-1
REM-5-6S-E2-2
REM-5-1S-W1-2
REM-5-1S-S1-2
REM-5-1S-N1-2
REM-5-1S-F-3
REM-5-1S-E1-2
REM-5-2S-W1-2
REM-5-2S-S1-2
REM-5-2S-N2-1
TPH C9-C24: 805
REM-5-2S-N3-2
REM-5-2S-F-3
REM-5-2S-E1-2
REM-5-7S-W1-1.5
TPH C9-C24:262.7
REM-5-7S-W2-2
REM-5-7S-S1-1.5
TPH C9-C24: 211
REM-5-7S-S2-2
REM-5-7S-N1-1.5
TPH C9-C24: 324.9
REM-5-7S-N2-2
REM-5-7S-E1-1.5
REM-5-7S-E2-2
REM-5-7S-F1-3
REM-5-5S-W3-2
REM-5-5S-W1-1.5
REM-5-5S-W2-1.5
TPH C6-C12: 440
C9-C24: 9,990
C25-C40: 3,060
REM-5-5S-W4-2
REM-5-3S-W2-2
REM-5-3S-W1-2
REM-5-3S-F1-3
REM-5-3S-N5-2.5
REM-5-3S-N3-1.5
REM-5-3S-F2-3
REM-5-4S-W1-2
REM-5-4S-N2-2
REM-5-4S-N1-1.5
TPH C9-C24: 1,170,
Aroclor 1254: 310
REM-5-4S-S1-2
REM-5-4S-F-3
REM-5-5S-S5-1.5
REM-5-5S-S6-2
REM-5-5S-F3-3
REM-5-3S-F3-3
REM-5-3S-N4-1.5
REM-5-3S-N6-2.5
REM-5-5S-F4-3
REM-5-4S-E2-2
REM-5-4S-E1-1.5
TPH C9-C24: 813,
Aroclor 1254: 220
REM-5-3S-E3-1.5
TPH C9-C24: 1,704,
Aroclor 1254:74
REM-5-3S-E5-2.5
REM-5-5S-S1-1.5
REM-5-5S-S3-2
REM-5-5S-F2-3
REM-5-5S-F1-3
REM-5-5S-N1-1.5
TPH C9-C24: 300
REM-5-5S-N2-2
REM-5-3S-E4-1.5
TPH C9-C24: 1,690
Aroclor 1254: 110
REM-5-3S-E6-2.5
REM-5-5S-E2-1.5
REM-5-5S-E4-2
REM-5-5S-E1-1.5
REM-5-5S-E3-2
REM-1-S-W1-2
REM-1-S-F-3
REM-1-S-S1-2
REM-1-S-N1-2
REM-1-S-E1-2

N

0 20 40
Feet

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Scale:1 " = 20 '	Date: November 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM-1 AND REM-5 CONFIRMATION SAMPLES AND EXCEEDANCES

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 4

Leighton

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Revised

Legend

- Approximate Site Boundary
- Excavations Areas

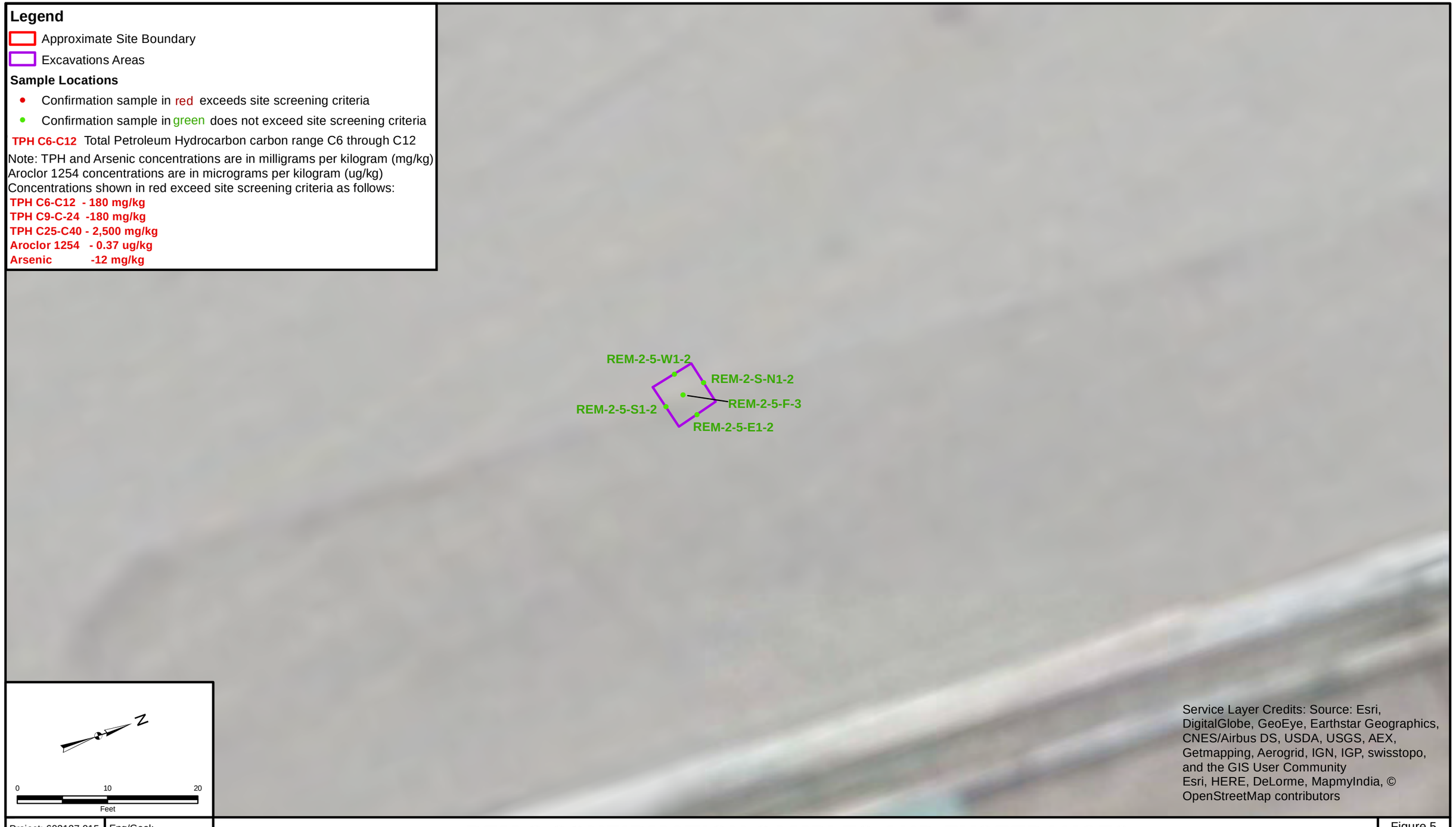
Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg



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N

0 10 20
Feet

Project: 603127.015	Eng/Geol:
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Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM-2 CONFIRMATION SAMPLES AND EXCEEDANCES

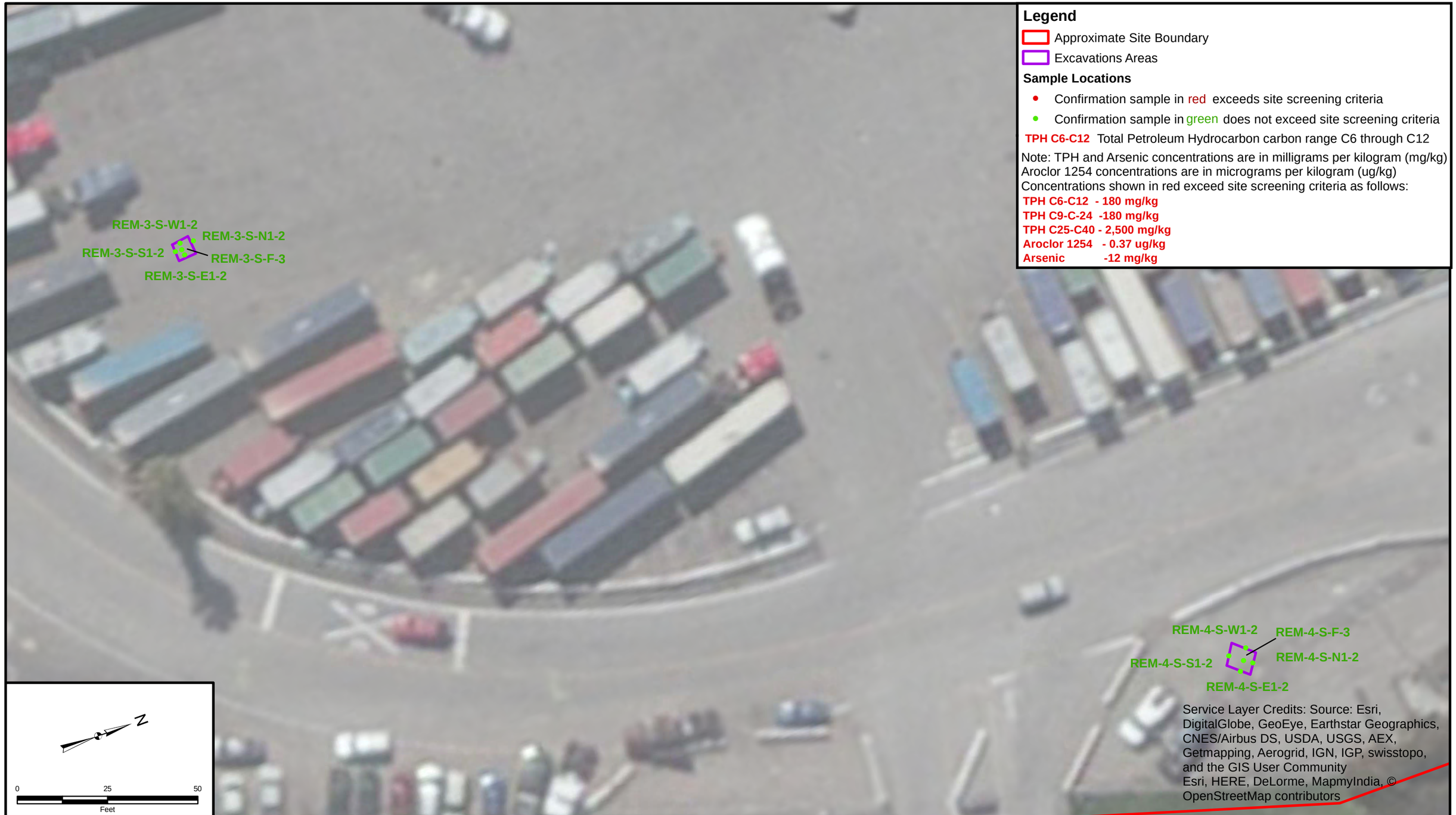
Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 5

Leighton

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Revised



Legend

Approximate Site Boundary

Excavations Areas

Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg

N

0 25 50
Feet

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Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM-3 AND REM-4 CONFIRMATION SAMPLES AND EXCEEDANCES

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 6

Leighton

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Revised

Legend

- Approximate Site Boundary
- Excavations Areas

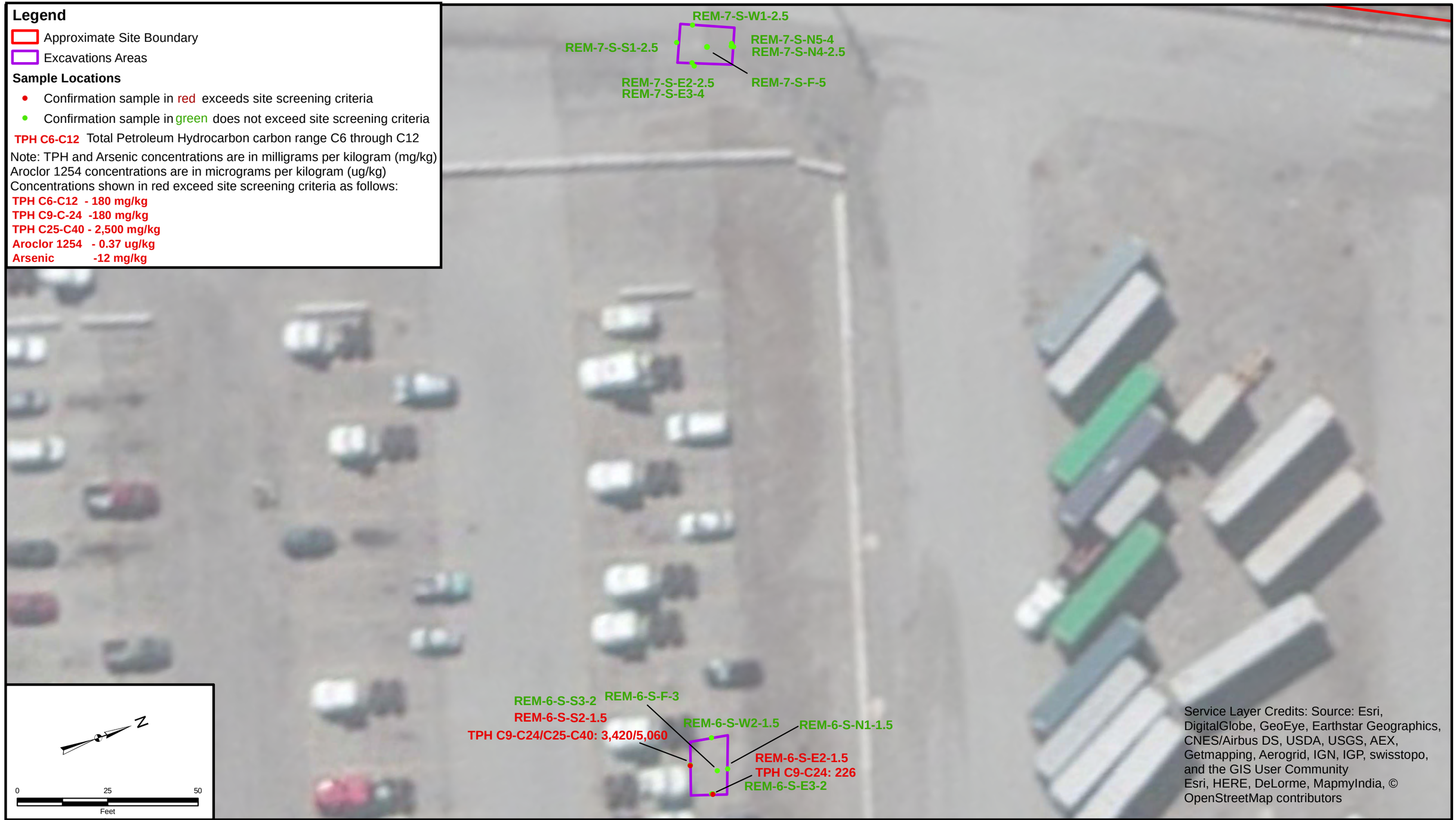
Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg



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Scale:1 " = 25 '	Date: November 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM-6 AND REM-7 CONFIRMATION SAMPLES AND EXCEEDANCES

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 7

Leighton

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Revised

Legend

- Approximate Site Boundary
- Excavations Areas

Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg



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N

0 10 20
Feet

Project: 603127.015	Eng/Geol:
Scale: 1 " = 10 '	Date: November 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM-8 CONFIRMATION SAMPLES AND EXCEEDANCES

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 8

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Revised

Legend

- Approximate Site Boundary
- Excavations Areas

Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg



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N

0 10 20
Feet

Project: 603127.015	Eng/Geol:
Scale: 1 " = 10 '	Date: November 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM-9 CONFIRMATION SAMPLES AND EXCEEDANCES

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 9

Leighton

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Revised

Legend

- Approximate Site Boundary
- Excavations Areas

Sample Locations

- Confirmation sample in red exceeds site screening criteria
- Confirmation sample in green does not exceed site screening criteria

TPH C6-C12 Total Petroleum Hydrocarbon carbon range C6 through C12

Note: TPH and Arsenic concentrations are in milligrams per kilogram (mg/kg)
Aroclor 1254 concentrations are in micrograms per kilogram (ug/kg)
Concentrations shown in red exceed site screening criteria as follows:

TPH C6-C12 - 180 mg/kg
TPH C9-C-24 -180 mg/kg
TPH C25-C40 - 2,500 mg/kg
Aroclor 1254 - 0.37 ug/kg
Arsenic -12 mg/kg



N

0 10 20
Feet

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Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: Leighton Geomatics (asakowicz)

REM10 CONFIRMATION SAMPLES AND EXCEEDANCES

Port of Los Angeles
Classification Yard - SCIG
Wilmington, California

Figure 10

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Revised

TABLE 1

Summary of Total Petroleum Hydrocarbons in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Total Petroleum Hydrocarbons by EPA Method 8015M																	
				C6	C7	C8	C9-C10	C11-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C6-C44 Total	C6-C12	C9-C24	C25-C40
REM-5 Step Out Sampling																						
LB-1-1	1	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-1-3	3	8/14/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
LB-2-1	1	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-2-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-3-1	1	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**12**	<4.9	<4.9	<4.9
LB-3-3	3	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-4-1	1	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.7**	**9.2**	**14**	**15**	**20**	**31**	**22**	**14**	<5.0	**140**	<5.0	**46.9**	**87**
LB-4-3	3	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-9-1	1	8/14/2015	mg/kg	<25	<25	<25	**36**	**200**	**790**	**1,300**	**1,200**	**840**	**210**	**240**	**300**	**460**	**360**	**250**	**71**	**6,300**	**236**	**4,816**	**1,370**
LB-9-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-10-1	1	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-10-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-11-1	1	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**5.2**	<4.9	<4.9	<4.9
LB-11-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-12-1	1	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-12-3	3	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-13-1	1	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10**	**22**	**22**	**19**	**16**	**98**	<5.0	<5.0	**73**
LB-13-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-14-1	1	8/14/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**25**	**51**	**110**	**120**	**130**	**110**	**560**	<25	**25**	**411**
LB-14-3	3	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-15-1	1	8/14/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**53**	**120**	**130**	**130**	**97**	**570**	<25	<25	**433**
LB-15-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-16-1	1	8/14/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**27**	**65**	**78**	**87**	**27**	**290**	<25	<25	**257**
LB-16-3	3	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-28-1	1	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-28-3	3	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-29-1	1	8/14/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
LB-29-3	3	8/14/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
LB-30-1	1	8/14/2015	mg/kg	<250	<250	<250	<250	**260**	**580**	**1,000**	**2,200**	**2,900**	**3,400**	**3,900**	**5,600**	**5,500**	**3,000**	**2,000**	**950**	**31,000**	**260**	**14,240**	**16,100**
LB-30-3	3	8/14/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
LB-32-1	1	8/14/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
LB-32-3	3	8/14/2015	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**10**	**34**	**72**	**64**	**66**	**57**	**320**	<10	**10**	**236**
LB-33-1	1	8/14/2015	mg/kg	<50	<50	<50	<50	<50	<50	**54**	**66**	**81**	**97**	**90**	**200**	**310**	**270**	**260**	**150**	**1,600**	<50	**388**	**1,040**
LB-33-3	3	8/14/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-1 Excavation Area Confirmation Samples																							
REM-1-S-N1-2'	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.3**	**16**	**14**	**7.5**	**47**	<5.0	<5.0	**37.3**
REM-1-S-E1-2'	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.2**	**9.4**	<5.0	**21**	<5.0	<5.0	**18.6**	
REM-1-S-W1-2'	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.0**	<5.0	<5.0	**17**	<5.0	<5.0	**9.0**	
REM-1-S-S1-2'	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-1-S-F-3'	3	8/20/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**99**	**59**	**110**	<25	**270**	<25	<25	**268**
REM-2 Excavation Area Confirmation Samples																							
REM-2-S-N1-2'	2	8/17/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-2-S-E1-2'	2	8/17/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-2-S-W1-2'	2	8/17/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.8**	**11**	**9.5**	<5.0	**36**	<5.0	<5.0	**29.3**
REM-2-S-S1-2'	2	8/17/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-2-S-F-3'	3	8/17/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**120**	**120**	**140**	**120**	**540**	<5.0	<5.0	**380**
REM-3 Excavation Area Confirmation Samples																							
REM-3-S-N1-2'	2	8/19/2015	mg/kg	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	**14**	**23**	**32**	**67**	**56**	**100**	**83**	**390**	<9.8	**37**	**255**
REM-3-S-E1-2'	2	8/19/2015	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	**12**	**14**	**23**	**38**	**89**	**83**	**110**	**95**	**470**	<10	**49**	**320**
REM-3-S-W1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**15**	**12**	**15**	**26**	**19**	**30**	**24**	**140**	<5.0	**27**	**90**
REM-3-S-S1-2'	2	8/19/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**27**	**60**	**56**	**120**	**63**	**360**	<25	<25	**263**
REM-3-S-F-3'	3	8/19/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	**39**	**100**	**95**	**140**	<25	**460**	<25	<25	**374**
REM-4 Excavation Area Confirmation Samples																							
REM-4-S-N1-2'	2	8/20/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-4-S-E1-2'	2	8/20/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-4-S-W1-2'	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-4-S-S1-2'	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-4-S-F-3'	3	8/20/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9

Revised

TABLE 1

Summary of Total Petroleum Hydrocarbons in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Total Petroleum Hydrocarbons by EPA Method 8015M																		
				C6	C7	C8	C9-C10	C11-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C6-C44 Total	C6-C12	C9-C24	C25-C40
REM-5 Excavation Area Confirmation Samples																						
REM-5-1S-N1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.7**	<5.0	<5.0	<5.0	**19**	<5.0	<5.0	**5.7**
REM-5-1S-E1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-1S-W1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-1S-S1-2'	2	8/19/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-1S-F-3'	3	8/19/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-5-2S-N1-1'	1	8/19/2015	mg/kg	<9.8	<9.8	<9.8	<9.8	<9.8	**38**	**53**	**74**	**110**	**170**	**210**	**280**	**360**	**200**	**130**	**64**	**1,700**	<9.8	**655**	**970**
REM-5-2S-N2-1'	1	8/27/2015	mg/kg	<25	<25	<25	<25	<25	**38**	**67**	**120**	**150**	**190**	**240**	**350**	**450**	**350**	**270**	**170**	**2,400**	<25	**805**	**1,420**
REM-5-2S-N3-2'	2	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**11**	<5.0	<5.0	<5.0
REM-5-2S-E1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-2S-W1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-2S-S1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-2S-F-3'	3	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-3S-N1-2'	2	8/19/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-5-3S-N2-1.5'	1.5	8/19/2015	mg/kg	<26	<26	<26	**420**	**420**	**1,100**	**510**	**200**	**400**	**290**	**240**	**360**	**470**	**310**	**220**	**150**	**5,000**	**840**	**3,580**	**1,360**
REM-5-3S-N3-1.5'	1.5	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-3S-N4-1.5'	1.5	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**8.1**	**9.7**	**9.5**	**19**	**13**	**7.7**	<5.1	<5.1	**77**	<5.1	**27.3**	**39.7**
REM-5-3S-N5-2.5'	2.5	8/27/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**11**	<4.9	<4.9	<4.9
REM-5-3S-N6-2.5'	2.5	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.4**	<5.0	<5.0	**5.8**	**8.0**	<5.0	<5.0	<5.0	**42**	<5.0	**5.4**	**13.8**
REM-5-3S-E1-1.5'	1.5	8/19/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**5.1**	**11**	**18**	**16**	**18**	**26**	**41**	**31**	**33**	**29**	**230**	<4.9	**68.1**	**131**
REM-5-3S-E2-1.5'	1.5	8/19/2015	mg/kg	<25	<25	<25	<25	<25	**72**	**110**	**130**	**110**	**100**	**79**	**110**	**130**	**81**	**80**	<25	**1,000**	<25	601	401
REM-5-3S-E3-1.5'	1.5	8/27/2015	mg/kg	<26	<26	<26	<26	64	**380**	**240**	**240**	**310**	**250**	**220**	**380**	**450**	**280**	**210**	**130**	**3,100**	**64**	**1,704**	**1,320**
REM-5-3S-E4-1.5'	1.5	8/27/2015	mg/kg	<51	<51	<51	<51	<51	<51	**220**	**340**	**410**	**400**	**320**	**640**	**600**	**420**	**340**	**310**	**4,000**	<51	**1,690**	**2,000**
REM-5-3S-E5-2.5'	2.5	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-3S-E6-2.5'	2.5	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-3S-E6-2.5' D	2.5	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-3S-W1-2'	2	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-3S-W2-2'	2	8/19/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-3S-S1-2'	2	8/19/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-3S-S1-2' D	2	8/19/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-3S-S2-2'	2	8/19/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-5-3S-F1-3'	3	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-3S-F2-3'	3	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	**10**	**23**	**31**	**32**	**31**	**44**	**57**	**65**	**32**	**23**	<5.0	**350**	<5.0	**171**	**177**
REM-5-3S-F3-3'	3	8/19/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-4S-N1-1.5	1.5	8/20/2015	mg/kg	<25	<25	<25	<25	<25	**60**	**100**	**180**	**220**	**280**	**330**	**520**	**510**	**300**	**180**	**180**	**2,900**	<25	**1,170**	**1,510**
REM-5-4S-N2-2	2	9/3/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-4S-E1-1.5	1.5	8/20/2015	mg/kg	<25	<25	<25	<25	<25	**46**	**57**	**140**	**160**	**160**	**250**	**210**	**440**	**150**	**100**	**77**	**1,800**	<25	**813**	**900**
REM-5-4S-E2-2	2	9/3/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-4S-W1-2	2	8/20/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**11**	**6.7**	<4.9	**32**	<4.9	<4.9	**17.7**
REM-5-4S-S1-2	2	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.4**	<5.0	<5.0	**9.6**	<5.0	<5.0	**5.4**
REM-5-4S-F-3	3	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-5S-E1-1.5	1.5	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.1**	**14**	**22**	**34**	**36**	**66**	**78**	**52**	**34**	**34**	**380**	<5.0	**115.1**	**230**
REM-5-5S-E3-2	2	8/26/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-5S-E2-1.5	1.5	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.5**	<5.0	**5.8**	<5.0	**23**	<5.0	<5.0	**11.3**
REM-5-5S-E4-2	2	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-5S-W1-1.5	1.5	8/26/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**7.5**	**9.2**	**11**	**12**	**12**	**20**	**25**	**14**	**7.8**	<5.1	**120**	<5.1	**51.7**	**66.8**
REM-5-5S-W3-2	2	8/26/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-5-5S-W2-1.5	1.5	8/26/2015	mg/kg	<130	<130	<130	<130	**440**	**1,700**	**3,000**	**2,400**	**1,500**	**640**	**310**	**670**	**990**	**770**	**630**	**280**	**13,000**	**440**	**9,990**	**3,060**
REM-5-5S-W4-2	2	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.6**	<5.0	<5.0	<5.0
REM-5-5S-W4-2 D	2	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.0**	<5.0	<5.0	<5.0
REM-5-5S-N1-1.5	1.5	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**69**	**82**	**67**	**49**	**33**	**63**	**88**	**87**	**43**	**50**	**630**	<5.0	**300**	**281**
REM-5-5S-N2-2	2	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.4**	<5.0	**9.8**	<5.0	<5.0	**8.4**
REM-5-5S-S1-1.5	1.5	8/26/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**6.5**	<4.9	**18**	<4.9	<4.9	**6.5**
REM-5-5S-S3-2	2	8/26/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-5-5S-S2-1.5	1.5	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	**6.2**	**29**	**43**	**59**	**52**	**43**	**70**	**98**	**67**	**49**	**37**	**550**	<5.0	**232.2**	**284**
REM-5-5S-S4-2	2	8/26/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-5S-S5-1.5	1.5	9/3/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**25**	<5.0	<5.0	<5.0
REM-5-5S-S6-2	2	9/3/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-5S-F1-3	3	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**12**	**9.4**	**8.7**	**6.5**	**17**	**22**	**18**	**12**	**8.1**	**110**	<5.0	**36.6**	**69**

Revised

TABLE 1

Summary of Total Petroleum Hydrocarbons in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Total Petroleum Hydrocarbons by EPA Method 8015M																		
				C6	C7	C8	C9-C10	C11-C12	C13-C14	C15-C16	C17-C18	C19-C20	C21-C22	C23-C24	C25-C28	C29-C32	C33-C36	C37-C40	C41-C44	C6-C44 Total	C6-C12	C9-C24	C25-C40
REM-5-5S-F2-3	3	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-5S-F3-3	3	8/26/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**15**	**8.2**	**6.9**	**6.1**	**13**	**20**	**16**	**15**	**7.4**	**110**	<4.9	**36.2**	**64**
REM-5-5S-F4-3	3	8/26/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-5S-F4-3 D	3	8/26/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-6S-N1-1.0	1	8/27/2015	mg/kg	<25	<25	<25	<25	**30**	**120**	**130**	**180**	**280**	**550**	**540**	**830**	**920**	**670**	**490**	**280**	**5,000**	**30**	**1,830**	**2,910**
REM-5-6S-N1-1.0 D	1	8/27/2015	mg/kg	<120	<120	<120	<120	<120	**260**	**220**	**440**	**490**	**610**	**760**	**1,100**	**1,300**	**1,000**	**600**	<120	**6,900**	<120	**2,780**	**4,000**
REM-5-6S-N2-2.0	2	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-6S-W1-1.0	1	8/27/2015	mg/kg	<25	<25	<25	<25	<25	**37**	**97**	**130**	**210**	**370**	**380**	**500**	**620**	**420**	**390**	**190**	**3,300**	<25	**1,224**	**1,930**
REM-5-6S-W2-2.0	2	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**9.2**	**19**	**29**	**52**	**14**	**120**	<5.1	<5.1	**109.2**
REM-5-6S-S1-1	1	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	**9.7**	**14**	**21**	**32**	**52**	**49**	**88**	**100**	**75**	**71**	**70**	**570**	<5.0	**177.7**	**334**
REM-5-6S-S2-2	2	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-6S-E1-1	1	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	**15**	**16**	**21**	**27**	**45**	**46**	**70**	**85**	**51**	**47**	<5.0	**430**	<5.0	**170**	**253**
REM-5-6S-E2-2	2	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-5-6S-F1-3	3	8/27/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**8.0**	**5.7**	**6.3**	**13**	**19**	**23**	**15**	**23**	**120**	<4.9	**20**	**70**
REM-5-7S-N1-1.5	1.5	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	**5.9**	**28**	**29**	**31**	**56**	**77**	**98**	**120**	**150**	**96**	**60**	**36**	**790**	**5.9**	**324.9**	**426**
REM-5-7S-N2-2	2	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-7S-W1-1.5	1.5	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	**8.7**	**19**	**24**	**35**	**96**	**80**	**120**	**170**	**130**	**66**	**56**	**800**	<5.1	**262.7**	**486**
REM-5-7S-W2-2	2	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-5-7S-S1-1.5	1.5	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	**13**	**18**	**20**	**24**	**70**	**66**	**110**	**120**	**79**	**49**	**34**	**600**	<5.1	**211**	**358**
REM-5-7S-S2-2	2	8/27/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	**6.6**	**14**	**15**	**19**	**29**	**32**	**60**	**120**	**100**	**91**	**52**	**540**	<5.1	**115.6**	**371**
REM-5-7S-E1-1.5	1.5	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	**13**	**11**	**17**	**20**	**37**	**36**	**54**	**81**	**64**	**14**	**12**	**360**	<5.0	**134**	**213**
REM-5-7S-E2-2	2	8/27/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-5-7S-F1-3	3	8/27/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-6 Excavation Area Confirmation Samples																							
REM-6-S-N1-1.5'	1.5	8/19/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	**14**	**14**	**25**	**25**	**24**	**72**	**39**	**24**	**8.0**	**250**	<4.9	**78**	**159**
REM-6-S-E1-1.5'	1.5	8/19/2015	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	**130**	**100**	**120**	**140**	**360**	**290**	**150**	**98**	**1,400**	<25	**350**	**940**
REM-6-S-E2-1.5'	1.5	8/24/2015	mg/kg	<10	<10	<10	<10	<10	<10	**17**	**34**	**41**	**70**	**64**	**120**	**160**	**86**	**53**	<10	**650**	<10	**226**	**419**
REM-6-S-E3-2'	2	8/26/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-6-S-W1-1.5'	1.5	8/19/2015	mg/kg	<50	<50	<50	<50	<50	**57**	**160**	**220**	**350**	**370**	**270**	**630**	**880**	**740**	**260**	**150**	**4,100**	<50	**1,427**	**2,510**
REM-6-S-W2-1.5'	1.5	8/24/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**12**	**19**	**15**	**27**	**47**	**29**	**18**	**8.3**	**180**	<5.1	**46**	**121**
REM-6-S-S1-1.5'	1.5	8/19/2015	mg/kg	<25	<25	<25	<25	<25	**43**	**120**	**180**	**260**	**210**	**270**	**280**	**490**	**350**	**190**	**150**	**2,500**	<25	**1,083**	**1,310**
REM-6-S-S2-1.5'	1.5	8/24/2015	mg/kg	<50	<50	<50	<50	<50	**130**	**290**	**500**	**760**	**900**	**840**	**1600**	**1700**	**1100**	**660**	**420**	**8,800**	<50	**3,420**	**5,060**
REM-6-S-S3-2'	2	8/26/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.0	<5.1	<5.1	<5.1
REM-6-S-F-3'	3	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.9**	<5.0	**15**	<5.0	<5.0	**6.9**
REM-6-S-F-3' D	3	8/19/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-7 Excavation Area Confirmation Samples																							
REM-7-S-N1-2.5'	2.5	8/20/2015	mg/kg	<9.9	<9.9	<9.9	**28**	**110**	**240**	**270**	**380**	**230**	**120**	**110**	**90**	**120**	**76**	**38**	**22**	**1,800**	**138**	**1,488**	**324**
REM-7-S-N2-2.5'	2.5	8/28/2015	mg/kg	<120	<120	<120	**140**	**660**	**1,200**	**1,500**	**1,200**	**780**	**430**	**230**	**320**	**460**	**200**	<120	<120	**7,200**	**800**	**6,140**	**980**
REM-7-S-N3-4'	4	8/28/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
REM-7-S-N4-2.5'	2.5	9/3/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**17**	<5.0	<5.0	<5.0
REM-7-S-N5-4'	4	9/3/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
REM-7-S-E1-2.5'	2.5	8/20/2015	mg/kg	<5.0	<5.0	<5.0	**18**	**58**	**96**	**88**	**93**	**56**	**27**	**22**	**30**	**37**	**29**	**19**	**13**	**590**	**76**	**458**	**115**
REM-7-S-E2-2.5'	2.5	8/28/2015	mg/kg	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	**25**	<5.1	<5.1	<5.1
REM-7-S-E3-4'	4	8/28/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**7.6**	**12**	**9.7**	**5.6**	**5.1**	**7.0**	**11**	**6.5**	<5.0	<5.0	**71**	<5.0	**40**	**24.5**
REM-7-S-W1-2.5'	2.5	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.6**	**20**	**25**	**22**	**13**	**100**	<5.0	<5.0	**75.6**
REM-7-S-S1-2.5'	2.5	8/20/2015	mg/kg	<5.0	<5.0	<5.0	<5.0	**10**	**19**	**18**	**28**	**12**	**7.9**	<5.0	**6.3**	**10**	**9.9**	**7.4**	<5.0	**130**	**10**	**94.9**	**33.6**
REM-7-S-F-3'	3	8/20/2015	mg/kg	<50	<50	<50	<50	**56**	**140**	**150**	**250**	**170**	**74**	**83**	**150**	**330**	**300**	**310**	**230**	**2,200**	**56**	**923**	**1,090**
REM-7-S-F-3' D	3	8/20/2015	mg/kg	<25	<25	<25	<25	**66**	**130**	**190**	**170**	**110**	**71**	**53**	**86**	**150**	**180**	**140**	**120**	**1,500**	**66**	**790**	**556**
REM-7-S-F-5	5	8/28/2015	mg/kg	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<5.0	<4.9	<4.9	<4.9
Equipment Blank																							
EQ Blank	N/A	8/14/2015	ug/L	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98	<98
POLA Cleanup Goals Berths 171-173 (1/19/2010)			mg/kg																		180	180	2,500

Notes:

mg/kg = milligrams per kilogram

ug/L = micrograms per liter

<5.0 = Not detected above laboratory reporting limit

C6-C44 = Carbon range C6 through C44

Confirmation samples in gray are no longer in place

580	= analyte detections are indicated in bold type
3,420	= exceeds screening criteria

Revised

TABLE 2

Summary of Organochlorine Pesticides in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Organochlorine Pesticides by EPA Method 8081																		
				Aldrin	alpha-BHC	beta-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
REM-5 Step Out Sampling																						
LB-5-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**19**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-5-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-6-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-6-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**53**	**180**	**8.4**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-7-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**140**	**230**	**24**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-7-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-8-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-8-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**9.2**	**46**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-9-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**170**	**810**	**47**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-9-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**7.1**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-10-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**7.2**	**290**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-10-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**6.6**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-11-1	1	8/14/2015	ug/kg	<5.0	<9.9	<5.0	<50	**52**	**280**	**6.8**	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
LB-11-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**13**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-12-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**19**	**1,400**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-12-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**22**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-13-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**81**	**61**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-13-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**7.3**	**40**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-14-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**40**	**42**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-14-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**13**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-15-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**170**	**160**	**7.9**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-15-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**8.0**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-16-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**6.6**	**26**	**38**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-16-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**30**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-21-1	1	8/14/2015	ug/kg	<5.0	<9.9	<5.0	<50	**47**	**220**	<5.0	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
LB-21-3	3	8/14/2015	ug/kg	<5.0	<9.9	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
LB-26-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**92**	**620**	**5.1**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-26-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**38**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-28-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**52**	**810**	**20**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-28-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**49**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-29-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	**40**	**470**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-29-3	3	8/14/2015	ug/kg	<5.0	<9.9	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
LB-30-1	1	8/14/2015	ug/kg	<50	<100	<50	<500	**330**	**1,100**	**65**	<100	<50	<50	<50	<50	<50	<50	<50	<50	<50	<100	<50	<1,000
LB-30-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**5.2**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-32-1	1	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**38**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-32-3	3	8/14/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**38**	**44**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
LB-33-1	1	8/14/2015	ug/kg	<25	<50	<25	<250	**84**	**110**	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<50	<25	<500
LB-33-3	3	8/14/2015	ug/kg	<5.1	<10	<5.1	<51	<5.1	<5.1	<5.1	<10	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<5.1	<100
REM-5 Excavation Area Confirmation Samples																						
REM-5-2S-N1-1'	1	8/19/2015	ug/kg	<5.1	<10	<5.1	<51	**31**	**180**	**6.7**	<10	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<5.1	<100
REM-5-2S-N2-1'	1	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**45**	**170**	**8.9**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-2S-N3-2'	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-2S-E1-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**13**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-2S-W1-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-2S-S1-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**11**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-2S-F-3'	3	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-N1-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**33**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-N2-1.5'	1.5	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**120**	**690**	**12**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-N3-1.5'	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**9.2**	**250**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-N4-1.5'	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**13**	**140**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-N5-2.5'	2.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**5.9**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-N6-2.5'	2.5	8/27/2015	ug/kg	<5.0	<9.9	<5.0	<50	<5.0	**40**	<5.0	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
REM-5-3S-E1-1.5'	1.5	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**58**	**290**	**8.5**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-E2-1.5'	1.5	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**39**	**510**	**16**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-E3-1.5'	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**63**	**190**	**51**	<10	**34**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-E4-1.5'	1.5	8/27/2015	ug/kg	<5.1	<10	<5.1	<51	**90**	**130**	**35**	<10	**15**	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<5.1	<100

Revised

TABLE 2

Summary of Organochlorine Pesticides in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Organochlorine Pesticides by EPA Method 8081																			
				Aldrin	alpha-BHC	beta-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
REM-5-3S-E5-2.5'	2.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**8.9**	**71**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-E6-2.5'	2.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**12**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-E6-2.5' D	2.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**10**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-W1-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	**32**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-W2-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-S1-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**34**	**200**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-S1-2' D	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**9.2**	**180**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-S2-2'	2	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**24**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-F1-3'	3	8/19/2015	ug/kg	<5.0	<9.9	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
REM-5-3S-F2-3'	3	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**22**	**92**	**5.8**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-3S-F3-3'	3	8/19/2015	ug/kg	<5.0	<10	<5.0	<50	**19**	**26**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-4S-N1-1.5	1.5	8/20/2015	ug/kg	<5.1	<10	<5.1	<51	**130**	**1,900**	**18**	<10	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<10	<5.1	<100
REM-5-4S-N2-2	2	9/3/2015	ug/kg	<5.0	<10	<5.0	<50	**15**	**33**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-4S-E1-1.5	1.5	8/20/2015	ug/kg	<5.0	<10	<5.0	<50	**130**	**980**	**10**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-4S-E2-2	2	9/3/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**28**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-4S-W1-2	2	8/20/2015	ug/kg	<5.0	<10	<5.0	<50	**38**	**260**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-4S-S1-2	2	8/20/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**45**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-4S-F-3	3	8/20/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-E1-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**73**	**420**	**130**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-E3-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**320**	**20**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-E2-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**35**	**1,100**	**190**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-E4-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**9.6**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-W1-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**170**	**1,800**	**20**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-W3-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**150**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-W2-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**330**	**1,700**	**39**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-W4-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**67**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-W4-2 D	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**30**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-N1-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**66**	**240**	**12**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-N2-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-S1-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**34**	**1,800**	**87**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-S3-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**45**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-S2-1.5	1.5	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**130**	**2,000**	**25**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-S4-2	2	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**240**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-S5-1.5	1.5	9/3/2015	ug/kg	<5.0	<10	<5.0	<50	**39**	**2,000**	**24**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-S6-2	2	9/3/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**100**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-F1-3	3	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	**36**	**160**	**26**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-F2-3	3	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-F3-3	3	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**50**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-F4-3	3	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-5S-F4-3 D	3	8/26/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-N1-1.0	1	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**95**	**380**	**17**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-N1-1.0 D	1	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**120**	**410**	**24**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-N2-2.0	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**9.2**	**24**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-W1-1.0	1	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**81**	**280**	**7.5**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-W2-2.0	2	8/27/2015	ug/kg	<5.0	<9.9	<5.0	<50	<5.0	**43**	<5.0	<9.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<9.9	<5.0	<99
REM-5-6S-S1-1	1	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**63**	**150**	**7.6**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-S2-2	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-E1-1	1	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**100**	**390**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-E2-2	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**8.4**	**20**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-6S-F1-3	3	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**5.8**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-N1-1.5	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**21**	**140**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-N2-2	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**29**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-W1-1.5	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**47**	**410**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-W2-2	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**39**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-S1-1.5	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**19**	**190**	**6.2**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-S2-2	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**140**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-E1-1.5	1.5	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	**100**	**970**	**21**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-E2-2	2	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**8.3**	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-5-7S-F1-3	3	8/27/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100

Revised

TABLE 2

Summary of Organochlorine Pesticides in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Organochlorine Pesticides by EPA Method 8081																		
				Aldrin	alpha-BHC	beta-BHC	Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	Heptachlor	Heptachlor epoxide	Methoxychlor	Toxaphene
REM-8 Excavation Area Confirmation Samples																						
REM-8-S-N1-2'	2	8/17/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-8-S-E1-2'	2	8/17/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-8-S-W1-2'	2	8/17/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-8-S-S1-2'	2	8/17/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
REM-8-S-F-3'	3	8/17/2015	ug/kg	<5.0	<10	<5.0	<50	<5.0	**43**	**9.4**	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<100
Equipment Blank																						
EQ Blank	N/A	8/14/2015	ug/L	<0.096	<0.096	<0.096	<0.96	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<0.096	<1.9
US EPA Region IX RSLs residential (June 2015)			ug/kg	39	86	300	1,700	2,300	2,000	1,900	300	34	470,000	470,000	470,000	19,000	19,000	19,000	570	130	70	320,000	490

Notes:

29 = analyte detections are indicated in bold type

ug/kg = micrograms per kilogram

ug/L = micrograms per liter

NA = Not applicable/analyzed

<10 = Not detected above laboratory reporting limit

RSLs = Regional Screening Levels, Regionx IX US EPA, updated June 2015

Confirmation samples in gray are no longer in place

Revised

TABLE 3

Summary of Polychlorinated Biphenyls in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Polychlorinated Biphenyls by EPA Method 8082								
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
REM-5 Step Out Sampling												
LB-14-1	1	8/14/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
LB-14-3	3	8/14/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
LB-15-1	1	8/14/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
LB-15-3	3	8/14/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-4 Excavation Area Confirmation Samples												
REM-4-S-N1-2'	2	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-4-S-E1-2'	2	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-4-S-W1-2'	2	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-4-S-S1-2'	2	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-4-S-F-3'	3	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5 Excavation Area Confirmation Samples												
REM-5-3S-N1-2'	2	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-N2-1.5'	1.5	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-N3-1.5'	1.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-N4-1.5'	1.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-N5-2.5'	2.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-N6-2.5'	2.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-E1-1.5'	1.5	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-E2-1.5'	1.5	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-E3-1.5'	1.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	**74**	<50	<50	<50
REM-5-3S-E4-1.5'	1.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	**110**	<50	<50	<50
REM-5-3S-E5-2.5'	2.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-E6-2.5'	2.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-E6-2.5' D	2.5	8/27/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-W1-2'	2	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-W2-2'	2	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-S1-2'	2	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-S1-2' D	2	8/19/2015	ug/kg	<51	<51	<51	<51	<51	<51	<51	<51	<51
REM-5-3S-S2-2'	2	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-F1-3'	3	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-F2-3'	3	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-3S-F3-3'	3	8/19/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50

Revised

TABLE 3

Summary of Polychlorinated Biphenyls in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Polychlorinated Biphenyls by EPA Method 8082								
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268
REM-5-4S-N1-1.5	1.5	8/20/2015	ug/kg	<51	<51	<51	<51	<51	**310**	<51	<51	<51
REM-5-4S-N2-2	2	9/3/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-4S-E1-1.5	1.5	8/20/2015	ug/kg	<50	<50	<50	<50	<50	**220**	<50	<50	<50
REM-5-4S-E2-2	2	9/3/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-4S-W1-2	2	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-4S-S1-2	2	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-4S-F-3	3	8/20/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-E1-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-E3-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-E2-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-E4-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-W1-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-W3-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-W2-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	**330**	<50	<50
REM-5-5S-W4-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-W4-2 D	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-N1-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-N2-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-S1-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-S3-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-S2-1.5	1.5	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-S4-2	2	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-S5-1.5	1.5	9/3/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-S6-2	2	9/3/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-F1-3	3	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-F2-3	3	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-F3-3	3	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-F4-3	3	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
REM-5-5S-F4-3 D	3	8/26/2015	ug/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50
Equipment Blank												
EQ Blank	NA	8/14/2015	ug/L	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
POLA Cleanup Goals Berths 171-173 (1/19/2010)			ug/kg	--	--	--	--	--	0.37	--	--	--

Notes:

ug/kg = micrograms per kilogram

ug/L = micrograms per liter

<50 = Not detected above laboratory reporting limit

220 = exceeds screening level

Confirmation samples in gray are no longer in place

Revised

TABLE 4

Summary Of Arsenic and Lead in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Title 22 Metals by EPA Method 6010/7471	
				Arsenic	Lead
REM-2 Excavation Area Confirmation Samples					
REM-2-S-N1-2'	2	8/17/2015	mg/kg	**4.65**	N/A
REM-2-S-E1-2'	2	8/17/2015	mg/kg	**4.63**	N/A
REM-2-S-W1-2'	2	8/17/2015	mg/kg	**5.66**	N/A
REM-2-S-S1-2'	2	8/17/2015	mg/kg	**2.38**	N/A
REM-2-S-F-3'	2	8/17/2015	mg/kg	**8.29**	N/A
REM-5 Excavation Area Confirmation Samples					
REM-5-3S-N1-2'	2	8/19/2015	mg/kg	N/A	**6.38**
REM-5-3S-N2-1.5'	1.5	8/19/2015	mg/kg	N/A	**34.5**
REM-5-3S-N3-1.5'	1.5	8/27/2015	mg/kg	N/A	**10.5**
REM-5-3S-N4-1.5'	1.5	8/27/2015	mg/kg	N/A	**13.7**
REM-5-3S-N5-2.5'	2.5	8/27/2015	mg/kg	N/A	**4.69**
REM-5-3S-N6-2.5'	2.5	8/27/2015	mg/kg	N/A	**3.79**
REM-5-3S-E1-1.5'	1.5	8/19/2015	mg/kg	N/A	**27.5**
REM-5-3S-E2-1.5'	1.5	8/19/2015	mg/kg	N/A	**23.7**
REM-5-3S-E3-1.5'	1.5	8/27/2015	mg/kg	N/A	**52.5**
REM-5-3S-E4-1.5'	1.5	8/27/2015	mg/kg	N/A	**54.3**
REM-5-3S-E5-2.5'	2.5	8/27/2015	mg/kg	N/A	**14.5**
REM-5-3S-E6-2.5'	2.5	8/27/2015	mg/kg	N/A	**7.83**
REM-5-3S-E6-2.5' D	2.5	8/27/2015	mg/kg	N/A	**8.77**
REM-5-3S-W1-2'	2	8/19/2015	mg/kg	N/A	**4.58**
REM-5-3S-W2-2'	2	8/19/2015	mg/kg	N/A	**3.33**
REM-5-3S-S1-2'	2	8/19/2015	mg/kg	N/A	**11.3**
REM-5-3S-S1-2' D	2	8/19/2015	mg/kg	N/A	**12.1**
REM-5-3S-S2-2'	2	8/19/2015	mg/kg	N/A	**12.9**
REM-5-3S-F1-3'	3	8/19/2015	mg/kg	N/A	**2.62**
REM-5-3S-F2-3'	3	8/19/2015	mg/kg	N/A	**3.50**
REM-5-3S-F3-3'	3	8/19/2015	mg/kg	N/A	**4.09**
REM-5-5S-E1-1.5	1.5	8/26/2015	mg/kg	N/A	**30.0**
REM-5-5S-E3-2	2	8/26/2015	mg/kg	N/A	**11.8**
REM-5-5S-E2-1.5	1.5	8/26/2015	mg/kg	N/A	**20.0**
REM-5-5S-E4-2	2	8/26/2015	mg/kg	N/A	**9.67**
REM-5-5S-W1-1.5	1.5	8/26/2015	mg/kg	N/A	**22.6**
REM-5-5S-W3-2	2	8/26/2015	mg/kg	N/A	**5.89**
REM-5-5S-W2-1.5	1.5	8/26/2015	mg/kg	N/A	**26.4**
REM-5-5S-W4-2	2	8/26/2015	mg/kg	N/A	**6.34**
REM-5-5S-W4-2 D	2	8/26/2015	mg/kg	N/A	**8.59**
REM-5-5S-N1-1.5	1.5	8/26/2015	mg/kg	N/A	**29.1**
REM-5-5S-N2-2	2	8/26/2015	mg/kg	N/A	**4.75**
REM-5-5S-S1-1.5	1.5	8/26/2015	mg/kg	N/A	**20.8**
REM-5-5S-S3-2	2	8/26/2015	mg/kg	N/A	**8.41**
REM-5-5S-S2-1.5	1.5	8/26/2015	mg/kg	N/A	**25.0**
REM-5-5S-S4-2	2	8/26/2015	mg/kg	N/A	**8.64**
REM-5-5S-S5-1.5	1.5	9/3/2015	mg/kg	N/A	**21.9**
REM-5-5S-S6-2	2	9/3/2015	mg/kg	N/A	**13.5**
REM-5-5S-F1-3	3	8/26/2015	mg/kg	N/A	**16.8**
REM-5-5S-F2-3	3	8/26/2015	mg/kg	N/A	**3.62**
REM-5-5S-F3-3	3	8/26/2015	mg/kg	N/A	**6.30**
REM-5-5S-F4-3	3	8/26/2015	mg/kg	N/A	**2.44**
REM-5-5S-F4-3 D	3	8/26/2015	mg/kg	N/A	**2.19**

Revised

TABLE 4

Summary Of Arsenic and Lead in Soil Analytical Results

POLA - SCIG

Wilmington, CA

Sample ID	Depth (Feet)	Date Sampled	Unit	Title 22 Metals by EPA Method 6010/7471	
				Arsenic	Lead
REM-9 Excavation Area Confirmation Samples					
REM-9-D-N1-2'	2	8/17/2015	mg/kg	**1.15**	N/A
REM-9-D-N2-4'	4	8/17/2015	mg/kg	**6.50**	N/A
REM-9-D-E1-2'	2	8/17/2015	mg/kg	**1.21**	N/A
REM-9-D-E2-4'	4	8/17/2015	mg/kg	**5.48**	N/A
REM-9-D-W1-2'	2	8/17/2015	mg/kg	**1.84**	N/A
REM-9-D-W2-4'	4	8/17/2015	mg/kg	**9.37**	N/A
REM-9-D-S1-2'	2	8/17/2015	mg/kg	**1.30**	N/A
REM-9-D-S2-4'	4	8/17/2015	mg/kg	**30.1**	N/A
REM-9-D-S3-2'	2	8/24/2015	mg/kg	**1.03**	N/A
REM-9-D-S4-4'	4	8/24/2015	mg/kg	**1.23**	N/A
REM-9-D-F-5'	5	8/17/2015	mg/kg	**25.0**	N/A
REM-10 Excavation Area Confirmation Samples					
REM-10-D-N1-2'	2	8/17/2015	mg/kg	**1.96**	N/A
REM-10-D-N2-4'	4	8/17/2015	mg/kg	**3.44**	N/A
REM-10-D-E1-2'	2	8/17/2015	mg/kg	**2.14**	N/A
REM-10-D-E1-2' D	2	8/17/2015	mg/kg	**1.72**	N/A
REM-10-D-E2-4'	4	8/17/2015	mg/kg	**2.18**	N/A
REM-10-D-W1-2'	2	8/17/2015	mg/kg	**1.33**	N/A
REM-10-D-W2-4'	4	8/17/2015	mg/kg	**1.66**	N/A
REM-10-D-S1-2'	2	8/17/2015	mg/kg	**1.85**	N/A
REM-10-D-S2-4'	4	8/17/2015	mg/kg	**2.41**	N/A
REM-10-D-F-5'	5	8/17/2015	mg/kg	**5.44**	N/A
DTSC HERO Note Number 3			mg/kg	0.11	80
DTSC 2008 California Background**			mg/kg	12	--

Notes:

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

ND<2.0 = Not detected above laboratory reporting limit

NA = Not applicable/analyzed

STLC =Soluble threshold limit concentration

TCLP= Toxicity leaching characteristic procedure

RSLs = EPA Region IX Regional Screening Levels, June 2015

DTSC HERO = Department of Toxic Substances Control, Office of Human and Ecological Risk, May 2015

** = Source: DTSC Determination of a Southern California Regional Background Arsenic Concentration in Soil (DTSC, 2008)

1.85	= analyte detections are indicated in bold type
25.0	= analyte detection exceeds a screening level value

Confirmation samples in gray are no longer in place

Revised

APPENDIX A

APPENDIX A

REFERENCES

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Revised

APPENDIX B

Revised

LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda
Long Beach
POLA

Job No. 603127015

Date 8/17/15

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE 3000 PID
Model Number: _____ Serial Number: 8042 (PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/17/15	8:15	REM-2 Down	0.185/0.069	TR	Clear, ~~ESE~~ wind direction WNW
		Up			
	10:42	REM-2 Down	0.018/0.047		start of REM-2, PID 1.2 ppm
	"	" Up	0.042/0.029		
	10:50	Down	~~0.027~~ 0.260/0.050		1.8 ppm PID NO odor or staining
	"	Up	0.033/0.029		
	11:10	Down	0.259/0.061		REM samples collected (5); PID 2.0
		Up	0.055/0.032		Sample sleeve, covering pit
	11:50	REM-9	0.058/0.051		CLEAR W/NW
	11:52	REM-9	- START -		PID = 2.0 ppm NO odor or staining
					REMOVE BASE LAYER
	12:00	"	0.010/0.057		Approaching 4' mark PID = 1.9
	12:35				REM9 covered
	12:54	REM-10	- START -		REM10 start
	12:55	"	0.049/0.062	down	PID = 1.8
	13:05	"	0.025/0.062	up	= 1.9 NO odor or staining
	13:25				Cover pit; sampling complete

Revised

LEIGHTON
Monitoring Log

Site Address

POLA SCIG
2422 E. Sepulveda
Long Beach

Job No. 603127.015

Date 8/17/15

Completed by TR / SH

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR + PID PDR-1000AN / MiniRAE 3000 PID
Model Number: _____ Serial Number: 8042 (PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/17/15	13:45	— START —			REM-8 start
	13:47		0.188/0.061		PID = 1.9
	15:55		0.113/0.061		PID = 1.7

Revised

LEIGHTON
Monitoring Log

Site Address
PALA SCIGA
2422 E. Sepulveda
Long Beach, CA

Job No. 603127015
Date 8/19/15
Completed by TJR
Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR + PID ; PDR-1000 AN / MiniRAE 3000 PID
Model Number: _____ Serial Number: 8042(PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)
North to South wind direction

MONITORING RECORD FOR INSTRUMENT

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/19/15	7:50	Down REM-5	0.125/0.093		START
	8:00	close	0.053/0.048		PID=3.2 0.0
		Down	0.043/0.082		
	8:15	close	0.037/0.046		PID=6.0
8/19/15	8:50	REM-6	—		START
	9:00	close	2.114/0.049		PID=0.0
	9:20				PID in pit=0.7
	9:35				End
8/19/15	9:48	REM-3	— START —		South to North wind
	9:54	close/down	0.083/0.048		PID=0.0
8/19/15	10:45	REM-5-28	—START—		
	10:53		0.046/0.187		-Asphalt mil
	10:58		0.121/0.157		-Moving asphalt
			=Pause to wait for truck=		
	11:37		0.065/0.087		PID=0.0
	11:50		0.050/0.085		PID=0.0
	1206				PID=0.3 → black layer similar to REM-6 -North wall

Revised

LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: ~~PDR~~ PDR-1000 ~~AA~~ / MiniRAE 3000 PID
Model Number: _____ Serial Number: 8042 (PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
	1230	REM-5-35	— START —		
	~~1240~~ 1250		0.129/0.039		Asphalt removed
	1315		0.036/0.037		PID=0.0
	1330		0.082/0.036		
	1335		0.211/0.036		
	1400		0.072/0.044		PID=1.0
8/20	7:10	REM-7	— start —		
	7:20		0.026/0.021		PID=0.0
	~~7~~:25				PID=23 ~~PID=50, 71.2? Strong odor~~
	~~8~~:15				End
	9:50	REM-~~3~~5-45	— START —		
	10:00		0.058/0.041		PID=0.0
	10:15		0.054/0.040		PID=~~24.23~~ 35 -odor
	10:20				PID=27
	10:25				PID=16
	10:30				PID=5 3-4 ambient
	11:18	— Start —			
	11:25	REM-1	0.448/0.095		PID=0.0
	11:30		0.178/0.185		PID=0.0

Revised

LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127015

Date 8/20, 8/24,

Completed by TJ2

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE 3000 PID
Model Number: _____ Serial Number: 8042(PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/20/15	12:10	REM-~~10~~4	- START -		
	12:18		0.025/0.024		
	12:19		0.132/0.026		PID=0.0
	12:40		0.020/0.024		
8/24	8:20	- START -			
	8:30	REM-4 cont	0.064/0.083		-Asphalt
	8:40		0.058/0.086		PID=0.0
8/24	9:54	REM-6	- START		
	9:56		0.104/0.058		-Asphalt
	10:05		0.072/0.059		PID=0.7
	10:15		0.076/0.056		PID=1.0

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127015

Date ~~8/24 - 8/26 8/28~~ 8/26

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE 3000 PID
Model Number: _____ Serial Number: 8042 (PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/26	6:30	REM-5	0.002	TR	Loading trucks
	7:15	"	0.067/0.069	TR	" ; West of REM-5-5s
	730	"	0.223/0.103	TR	" ; North REM-5-3s
	0745	"	0.014/0.007	SM	" ; Cent. REM-5-3s (west)
	800	"	0.013/0.064	TR	" ; South REM-5-5s
	815	"	0.031/0.056	TR	" ; North REM-5-3s
	830	"	0.008/0.047	TR	" ; Center REM-5-5s (west)
	845	"	0.013/0.041	TR	" ; South REM-5-5s
	900	"	0.005/0.036	TR	" ; North REM-5-3s
	10:40	"	0.003/0.032	TR	Shaving/trim walls W
	1130	"	0.14/0.020	TR	Loading trucks (stockpile) E - REM-5-5s
	1200	"	0.020/0.020		" ; N-REM5-3s
	1230	"	0.055/0.020		" ; S-REM-5-5s
	1300		0.046/0.018		; W-REM-5
	1330		0.083/0.013		" ; N-REM5-3s
	1400		0.109/0.017		; N- " "

Revised

LEIGHTON
Monitoring Log

Site Address
POLA SCIC
2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127 015
Date 8/27
Completed by TR
Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE-3000 PID
Model Number: _____ Serial Number: ~~80~~42(PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)
clear, no wind in AM

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/27	6:45	REM-4 (South)	0.001/0.003	TR	Loading Trucks with stockpile ; no wind
	7:00	" (East)	0.003/0.002	TR	" "
8/27	~~7:45~~	REM-3 (South)		TR	" ; "
	7:02		0.145/0.031		
	7:05	(East)	0.372/0.102		"
	7:06		0.929/0.155		", sweeping, ; "
8/27	7:13	REM-2 (East)	0.019/0.115		
	7:20	" (South)	0.060/0.062		" ; "
					"
8/27	7:40	REM-5-5 (W)	0.025/0.028		Loading stockpile ; "
	7:42	" (S)	0.034/0.029		,
	7:45	" (E)	0.027/0.029		" "
	7:53	" (N)	0.046/0.029		" ; "
	8:00	" (W)	0.040/0.033		" "
	8:15	" (S)	0.037/0.038		" "
	8:30	" (E)	0.046/0.050		
8/27	10:45	REM-5-2S	0.170/0.068		Loading Asphalt
	11:30	"	0.293/0.063		Excavate step-at
	11:45	"			PID = 2.3 ; strong odor

Revised

LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127 015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE-3000 PID
Model Number: _____ Serial Number: 8042(PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/27	~~12:00~~ 11:55	REM-5-~~85~~ 65	0.105/0069		PID=3.0
8/27	12:00	REM-5-75	0.038/0.069		PID=3.5-3.9
	12:08	"	0.076/0.068		
	~~12:15~~				
8/27	12:15	REM-5-25+	0.135/0.066		Lifting asphalt for REM-5-~~45~~ 35 stepout
	12:25	"	0.047/0.062		PID ≈ 26.5 Average (18-35)
	12:55	"	0.241/0.057		
8/28	7:15	REM-6	-START-		Loading stockpile
	7:18	" (S)	0.038/0.034		"
	7:28	" (N)	0.017/0.006		"
	7:38	" (W)	0.081/0.016		"
8/28	7:48	REM-9	-START-		Loading stockpile
	7:50	" (W)	0.043/0.020		"
	8:00	" (N)	0.027/0.037		"
8/28	8:10	REM-10	-START-		"
	8:15	" (W)	0.012/0.040		

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 605127 015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE-3000 PID
Model Number: _____ Serial Number: 8042 (PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
8/28	8:20	REM-10 (N)	0.014/0.038		"
	8:30	REM-9	4.719/0.060		Loading Asphalt
	~~9:00~~ 8:50	REM-7	-START-		Additional Asphalt removal
	8:56	"	0.009/0.059 (N)		"
	9:48		-START-		Removal of failed Import pile
	11:18	REM-7	-START-		Soil Removal for Step-Outs
	11:20	"	0.149/0.033		"
	11:30		0.019/0.037		PID= 29-27 ≥25

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127 015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN / MiniRAE-3000 PID
Model Number: _____ Serial Number: 8042(PDR)
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:		Remarks (include weather, etc.)
9/3	7:30	REM-5-55	0.098/0.057	(N)	TR	-Removing Asphalt for step out on south wall
	7:40	"	1.184/0.039	(W)		" "
	—		—			—
	8:20	-Back fill arrived				
	8:37	-Mixing				
	10:03	REM-5-65				-Back fill
	10:05	"	0.058/0.022	(N)		"
	10:15	"	0.049/0.030	(E)		"
	10:25	"	0.014/0.017	(S)		"
	10:35	"		(N)		"
	10:48	REM-5-75	0.055/0.120	(N)		"
	10:58	"	0.013/0.118	(W)		"
	11:27	REM-7	-START-			-Step out
	11:30		2.296/0.087	(N)		-Wiring
	11:40		0.012/0.079	(E)		"
	12:36		0.052/0.049	(S)		-START of excavation
	12:46		0.000/0.077	(E)		

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: 8042
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/3	13:40/15	REM-5-7S	0.083/0.036		-Backfill
	13:50	"	0.058/0.036		"
9/4	6:30	REM-5-1S area	0.017/0.008(N)		-Backfill
	7:00	"	-REM-5-1S Done)		
	~~7:00~~	~~REM-5-~~			
	7:00	REM-5-2S	0.009/0.016(E)		"
	7:15	"	0.023/0.060 (N)		"
	7:30	"	0.018/0.043 (W)		"
	7:45	"	0.036/0.036 (S)		"
	8:00	"	0.085/0.034 (E)		"
	8:15	"	0.011/0.032 (N)		"
	8:30	"	0.037/0.031 (W)		"
	8:50	REM-1	0.128/0.031 (N)		-Backfill
	9:00	"	0.069/0.032 (W)		"
	9:10	"	0.083/0.039 (N)		"
	9:25	REM-3	0.027/0.054(E)		-Backfill
	9:35	"	0.038/0.039 (N)		"

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LEIGHTON
Monitoring Log

Site Address

POLA SCIG
2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127 015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: _____
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/4	9:55	REM-4	0.037/0.040	(S)	-Backfill
	10:05	"	0.078/0.039	(E)	"
	10:15		0.035/0.039	(S)	"
	11:06	REM-8	-START-		-Backfill
	11:08	"	0.051/0.043	(W)	"
	11:15	"	0.052/0.052	(N)	"
	11:25	"	0.025/0.051	(E)	"
	11:35	"	0.021/0.050	(W)	"
	12:40	REM-10	-START-		-Backfill
	12:42	"	0.016/0.033	(S)	"
	12:52	"	0.020/0.028	(W)	"
	13:02	"	0.097/0.034	(N)	"
	13:12	"	0.056/0.036	(S)	"
	13:22	"	0.140/0.052	(W)	"
9/8	7:40	REM-9	-START-		-Backfill
	7:45	"	0.026/0.037	(W)	"
	7:55	"	0.049/0.047	(S)	"
	8:05		0.045/0.042	(E)	
					-waiting for trucks

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN

Model Number: _____ Serial Number: 8042

Date Last Calibrated: _____ By: _____

Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/8	9:00	REM-9	0.029/0.028	(W)	-Backfill
	9:10	"	0.034/0.055	(N)	"
	9:45	REM-6	-START-		-Backfill
	9:50	"	0.042/0.041	(N)	"
	10:00	"	0.035/0.039	(S)	"
	10:10	"	0.047/0.009	(E)	"
	10:20	"	0.030/0.048	(W)	"
	10:30	"	0004/0.035	(N)	"
	10:40	"	0.040/0036	(S)	"
	10:50	"	(0.053/0034	(E)	
	12:12	REM-5-45	-START-		Backfill
	12:15	"	0.015/0.021	(N)	"
	12:25	"	0.098/0.027	(W)	"
	12:35	"	0.127/0.026	(E)	"
	12:45	"	0.028/0.002	(S)	"
	~~13:05~~	*			
	13:05	REM-7	-START-		-Backfill
	13:10	"	0.089/0.009	(N)	"
	13:20	"	0044/0.005	(W)	"
	13:30		0038/0.002	(S)	

Revised

LEIGHTON
Monitoring Log

Site Address

2422 E Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: 8042
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/8	13:40	REM-7 cont.	0.659/0.007 (N)		Backfill
	13:50	"	0.143/0.009 (W)		"
	14:00	"	0.055/0.009 (S)		"
	14:10	"	0.061/0.014 (N)		"
	14:20	"	0.262/0.018 (W)		"
	14:30		0.011/0.020 (S)		"
9/9	12:18	REM-5	0.022/0.063 (N)		Import
	12:23		0.069/0.015 (E)		
	13:20		0.139/0.008 (N)		
	14:07		0.128/0.002 (E)		
	14:14		0.087/0.002 (N)		
9/10	7:~~35~~	REM-7 cont.	— START —		Backfill
	7:30	"	0.024/0.026 (S)		"
	7:40	"	0.062/0.026 (E)		"
	7:50	"	0.052/0.045 (W)		"
	8:00	"	0.062/0.045 (N)		"
	810	"	0.061/0.043 (S)		"
	820	"	0.027/0.043 (E)		"
	830	"	0.018/0.042 (W)		"
	840	"	0.020/0.040 (N)		"

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: 8042
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/10	850	REM-7 cont	0.051/0.038	(S)	Backfill
	900	"	0.134/0.036	(E)	"
	910	"	0.016/0.043	(W)	"
	920	"	0.058/0.042	(N)	"
	930	"	0.020/0.041	(S)	"
	940	"	0.094/0.039	(E)	"
	950	"	0.034/0.038	(W)	"
	1000	"	0.015/0.037	(N)	"
	1010	"	0.027/0.036	(S)	"
9/10	1115	REM-5-55/35	-START-		Backfill
	1120	"	0.106/0.170	(N)	"
	1130	"	0.039/0.046	(W)	"
	1140	"	0.013/0.071	(S)	"
	1150	"	0.010/0.056	(E)	"
	1200	"	0.031/0.056	(W)	"
	1210	"	0.015/0.053	(W)	"
	1220	"	0.008/0.054	(S)	"
	1230	"	0.037/0.060	(E)	"
	1240	"	0.018/0.057	(N)	"
	1250	"	0.017/0.053	(W)	"
	1300	"	0.015/0.050	(S)	"

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LEIGHTON
Monitoring Log

Site Address
2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015
Date
Completed by TR
Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: 8042
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/10	1310	REM-5-55/35	0.044/0.047	(E)	Backfill
	1320	"	0.061/0.045	(N)	"
	1330	"	0.022/0.045	(W)	"
	1340	"	0.071/0.044	(S)	"
	1350	"	0.031/0.044	(E)	"
	1400	"	0.057/0.043	(N)	"
	1410	"	0.039/0.043	(W)	"
	1420	"	0.016/0.043	(S)	"
	1430	"	←	(E)	"
	1440	"		(N)	"
	1450	"		(W)	"
	1500	"		(S)	"
9/11	7:10	REM-5-55/35	— START —		Backfill
	7:12	"	0.016/0.038	(N)	"
	7:15	"	0.057/0.056	(W)	"
	7:25	"	0.040/0.036	(E)	"
	7:35	"	0.032/0.033	(S)	"
	7:45	"	0.029/0.033	(N)	"
	7:55	"	0.047/0.034	(W)	"
	8:05	"	0.023/0.033	(E)	"
	8:15	"	0.013/0.031	(S)	"
	8:25	"	0.022/0.030	(N)	"

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TIZ

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN

Model Number: _____ Serial Number: 8042

Date Last Calibrated: _____ By: _____

Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/11	8:35	BEM-5-55/35	0.040/0.033	(W)	-Backfill
	8:45	"	0.022/0.030	(E)	"
	8:55	"	0.018/0.032	(S)	"
	905	"	0.019/0.034	(N)	"
	915	"	0.023/0.033	(W)	"
	925	"	0.022/0.033	(E)	"
	935	"	0.030/0.033	(S)	"
	945	"	0.036/0.073	(N)	"
	955	"	0.105/0.072	(W)	"
	1005	"	0.140/0.071	(E)	"
	1015	"	0.021/0.070	(S)	"
	1025	"	0.058/0.063	(N)	"
	1035	"	0.049/0.068	(W)	"
	1045		0.026/0.067	(E)	
	1055		0.147/0.067	(S)	
	1105		0.043/0.065	(N)	
	1115		0020/0.065	(W)	
	—		—		
9/11	11:35	BEM-6	-START-		-Saw cutting (trim up edges)
	11:36	"	0.142/0.062	(N)	"
	11:38	"	0.118/0.061	(W)	"
	11:40	"	0.016/0061	(S)	"

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda BLVd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: 8042
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/11	11:55	1.808/0.062	REM-6		-saw cut trim
	1222	REM-5-55/35	-START		-saw cut trimming
	1223	"	0.177/0.061 (N)		"
	1228	"	0.095/0.061 (W)		"
	12385	"	0.896/0.062(N)		"
	1245	"	0.103/0.061 (W)		"
	1255	"	0.118/0.061 (N)		"
	1256		1.137/0.061 (N)		" - moved locations
	1303	REM-5-15	0.155/0.062(W)		"
9/14	7:15	REM-5-55/35	-START-		~~-Backfill~~ Breaking cut asphalt
	7:45	"	0.031/0.028 (N)		"
	8:15		0.033/0.056 (E)		
		8:35	REM-6		-Additional asphalt removal
			0.029/0.047		
9/14		~~10:15~~ 10:42	REM-5-55/35		- Dirt drop off
		10:45	1.672/0.039(W)		
		10:47	0.033/0.039 (N)		
		10:57	0.143/0.042 (E)		
		11:07	0.321/0.042 (N)		

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Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN

Model Number: _____ Serial Number: 8042

Date Last Calibrated: _____ By: _____

Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/14	10:20	REM-5-53/35	0.250/0.043	(E)	-Backfill
	11:50	"	0.083/0.049	(W)	"
	12:20	"	0.040/0.047	(S)	"
	12:50	"	0.062/0.046	(N)	"
	12:44		0.019/0.047	(E)	-Rig drop off
	12:45		0.032/0.047	(W)	
	13:20	"	0.040/0.046	(E)	-Backfill
	13:25	"	0.038/0.045	(N)	-Drop off
	1350	"	0.026/0.045	(W)	Backfill
	1420	"	0.061/0.046	(N)	"
	1423		0.215/0.046		-Drop off

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Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN

Model Number: _____ Serial Number: 8042

Date Last Calibrated: _____ By: _____

Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
9/17	8:00	REM-6	-START-		-Paving
	8:15	"	0.047/0.031	(S)	
	8:30	"	0.034/0.028	(N)	
	8:30	REM-7	-START-		-Paving
	8:35	"	0.028/0.031	(W)	"
	8:40		0.103/0.032	(E)	
	9:00		0.036/0.051	(N)	
	9:45	REM-10	-START-		-Paving
	10:00		0.053/0.087		
	10:50	REM-5-5S/3S	0.064/0.040	(E)	-Backfill + REM-6S pave
	10:00		0.062/0.046	(S)	
	1110		0.037/0.052	(N)	
	1120		0.047/0.058	(W)	
	1130	REM-3	-START-		-pave
	1132		0.036/0.062	(S)	
	1135		0.061/0.059	(E)	
	1150	REM-5-2S	-START-		-pave

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LEIGHTON
Monitoring Log

Site Address

2422 E. Sepulveda Blvd
Long Beach, CA

Job No. 603127.015

Date

Completed by TR

Signature

CALIBRATION RECORD FOR INSTRUMENT

Instrument: PDR-1000 AN
Model Number: _____ Serial Number: 8042
Date Last Calibrated: _____ By: _____
Span Setting Remarks (include type of calibration gas, weather, etc.)

MONITORING RECORD FOR INSTRUMENT

Monitoring Recorded

Date	Time	Location	Reading	By:	Remarks (include weather, etc.)
	11:55	REM-5-25 cont	0.053/0.045	(N)	-pave
	1315	REM-5-55/25	0.060/0.052	(N)	-compaction cont. & REM-1 paving
	1320	"	0.056/0.053	(W)	"
	1340	"	0.034/0.052	(S)	
9/18	7:20	REM-5-55/35	-START-		-Paving (REM-5†, 8, 2)
	7:30		0.000/0.000	(E)	
	7:45		0.327/0.002	(N)	
	10:30	"	0.000/0.007	(N)	-paving
	10:35	"	0.000/0.000	(S)	
	11:00	"	"	(E)	
	1130	"	"	(W)	
	11:45	"	0.054/0.000	(NE)	
	12:15	"	0.000/0.000	(S)	

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APPENDIX C

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WORK ORDER NUMBER: 15-08-1062

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: SCIG

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/18/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

nelac

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Work Order Number: 15-08-1062

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/14/15. They were assigned to Work Order 15-08-1062.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-1-1	**15-08-1062-1-A**	**08/14/15 12:42**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 20:21**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-1-3	**15-08-1062-2-A**	**08/14/15 12:44**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 20:39**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-2-1	**15-08-1062-3-A**	**08/14/15 12:50**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 20:56**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-2-3	**15-08-1062-4-A**	**08/14/15 12:51**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 21:13**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-3-1	**15-08-1062-5-A**	**08/14/15 12:59**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 21:31**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	12	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-3-3	**15-08-1062-6-A**	**08/14/15 13:00**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 21:49**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	112	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-4-1	**15-08-1062-7-A**	**08/14/15 13:05**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 22:06**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	8.7	5.0	1.00	
C19-C20	9.2	5.0	1.00	
C21-C22	14	5.0	1.00	
C23-C24	15	5.0	1.00	
C25-C28	20	5.0	1.00	
C29-C32	31	5.0	1.00	
C33-C36	22	5.0	1.00	
C37-C40	14	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	140	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-4-3	**15-08-1062-8-A**	**08/14/15 13:06**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 22:23**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-9-1	**15-08-1062-17-A**	**08/14/15 10:51**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 22:41**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	36	25	5.00	
C11-C12	200	25	5.00	
C13-C14	790	25	5.00	
C15-C16	1300	25	5.00	
C17-C18	1200	25	5.00	
C19-C20	840	25	5.00	
C21-C22	210	25	5.00	
C23-C24	240	25	5.00	
C25-C28	300	25	5.00	
C29-C32	460	25	5.00	
C33-C36	360	25	5.00	
C37-C40	250	25	5.00	
C41-C44	71	25	5.00	
C6-C44 Total	6300	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-9-3	**15-08-1062-18-A**	**08/14/15 10:53**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 22:58**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-10-1	**15-08-1062-19-A**	**08/14/15 11:00**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 23:33**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-10-3	**15-08-1062-20-A**	**08/14/15 11:02**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 23:50**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	117	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-11-1	**15-08-1062-21-A**	**08/14/15 11:33**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 00:08**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	5.2	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-11-3	**15-08-1062-22-A**	**08/14/15 11:34**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 00:25**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-12-1	**15-08-1062-23-A**	**08/14/15 10:40**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 00:42**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-12-3	**15-08-1062-24-A**	**08/14/15 10:43**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 01:00**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-13-1	**15-08-1062-25-A**	**08/14/15 07:50**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 01:17**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	10	5.0	1.00	
C29-C32	22	5.0	1.00	
C33-C36	22	5.0	1.00	
C37-C40	19	5.0	1.00	
C41-C44	16	5.0	1.00	
C6-C44 Total	98	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-13-3	**15-08-1062-26-A**	**08/14/15 07:54**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 01:34**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-1	**15-08-1062-27-A**	**08/14/15 08:02**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 01:52**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	25	25	5.00	
C25-C28	51	25	5.00	
C29-C32	110	25	5.00	
C33-C36	120	25	5.00	
C37-C40	130	25	5.00	
C41-C44	110	25	5.00	
C6-C44 Total	560	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-3	**15-08-1062-28-A**	**08/14/15 08:05**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 02:09**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-1	**15-08-1062-29-A**	**08/14/15 08:19**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 03:54**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	ND	25	5.00	
C25-C28	53	25	5.00	
C29-C32	120	25	5.00	
C33-C36	130	25	5.00	
C37-C40	130	25	5.00	
C41-C44	97	25	5.00	
C6-C44 Total	570	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	125	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-3	**15-08-1062-30-A**	**08/14/15 08:16**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 04:11**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-16-1	**15-08-1062-31-A**	**08/14/15 08:33**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 04:29**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	ND	25	5.00	
C25-C28	27	25	5.00	
C29-C32	65	25	5.00	
C33-C36	78	25	5.00	
C37-C40	87	25	5.00	
C41-C44	27	25	5.00	
C6-C44 Total	290	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-16-3	**15-08-1062-32-A**	**08/14/15 08:35**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 04:46**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-30-1	**15-08-1062-59-A**	**08/14/15 11:20**	**Solid**	**GC 47**	**08/14/15**	**08/17/15 12:51**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	250	50.0	
C7	ND	250	50.0	
C8	ND	250	50.0	
C9-C10	ND	250	50.0	
C11-C12	260	250	50.0	
C13-C14	580	250	50.0	
C15-C16	1000	250	50.0	
C17-C18	2200	250	50.0	
C19-C20	2900	250	50.0	
C21-C22	3400	250	50.0	
C23-C24	3900	250	50.0	
C25-C28	5600	250	50.0	
C29-C32	5500	250	50.0	
C33-C36	3000	250	50.0	
C37-C40	2000	250	50.0	
C41-C44	950	250	50.0	
C6-C44 Total	31000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	116	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-30-3	**15-08-1062-60-A**	**08/14/15 11:22**	**Solid**	**GC 47**	**08/14/15**	**08/17/15 12:34**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1713**	**N/A**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 19:10**	**150814B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1712**	**N/A**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 02:44**	**150814B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQ Blank	**15-08-1062-71-A**	**08/14/15 14:20**	**Aqueous**	**GC 47**	**08/14/15**	**08/15/15 07:22**	**150814B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	98	1.00	
C7	ND	98	1.00	
C8	ND	98	1.00	
C9-C10	ND	98	1.00	
C11-C12	ND	98	1.00	
C13-C14	ND	98	1.00	
C15-C16	ND	98	1.00	
C17-C18	ND	98	1.00	
C19-C20	ND	98	1.00	
C21-C22	ND	98	1.00	
C23-C24	ND	98	1.00	
C25-C28	ND	98	1.00	
C29-C32	ND	98	1.00	
C33-C36	ND	98	1.00	
C37-C40	ND	98	1.00	
C41-C44	ND	98	1.00	
C6-C44 Total	ND	98	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-498-278**	**N/A**	**Aqueous**	**GC 47**	**08/14/15**	**08/15/15 06:30**	**150814B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	100	1.00	
C7	ND	100	1.00	
C8	ND	100	1.00	
C9-C10	ND	100	1.00	
C11-C12	ND	100	1.00	
C13-C14	ND	100	1.00	
C15-C16	ND	100	1.00	
C17-C18	ND	100	1.00	
C19-C20	ND	100	1.00	
C21-C22	ND	100	1.00	
C23-C24	ND	100	1.00	
C25-C28	ND	100	1.00	
C29-C32	ND	100	1.00	
C33-C36	ND	100	1.00	
C37-C40	ND	100	1.00	
C41-C44	ND	100	1.00	
C6-C44 Total	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-5-1	**15-08-1062-9-A**	**08/14/15 13:51**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 10:53**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	19	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-5-3	**15-08-1062-10-A**	**08/14/15 13:53**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 11:07**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-6-1	**15-08-1062-11-A**	**08/14/15 13:28**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 11:21**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-6-3	**15-08-1062-12-A**	**08/14/15 13:29**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 11:36**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	8.4	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-6-3	**15-08-1062-12-A**	**08/14/15 13:29**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 14:12**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	53	50	10.0	
4,4'-DDE	180	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-7-1	**15-08-1062-13-A**	**08/14/15 13:45**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 11:50**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	24	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	121	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-7-1	**15-08-1062-13-A**	**08/14/15 13:45**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 14:27**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	140	50	10.0	
4,4'-DDE	230	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-7-3	**15-08-1062-14-A**	**08/14/15 13:46**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 12:05**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	57	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-8-1	**15-08-1062-15-A**	**08/14/15 13:38**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 12:19**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-8-3	**15-08-1062-16-A**	**08/14/15 13:40**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 12:33**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	9.2	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-8-3	**15-08-1062-16-A**	**08/14/15 13:40**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 14:43**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	46	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	62	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-9-1	**15-08-1062-17-A**	**08/14/15 10:51**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 12:48**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	160	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-9-1	**15-08-1062-17-A**	**08/14/15 10:51**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 18:00**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	170	25	5.00	
4,4'-DDT	47	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-9-1	**15-08-1062-17-A**	**08/14/15 10:51**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 17:45**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	810	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	115	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-9-3	**15-08-1062-18-A**	**08/14/15 10:53**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 13:02**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	7.1	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	57	24-168	
2,4,5,6-Tetrachloro-m-Xylene	45	25-145	

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-10-1	**15-08-1062-19-A**	**08/14/15 11:00**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 13:17**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	7.2	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-10-1	**15-08-1062-19-A**	**08/14/15 11:00**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 15:13**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	290	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-10-3	**15-08-1062-20-A**	**08/14/15 11:02**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 13:31**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	6.6	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Return to Contents

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-11-1	**15-08-1062-21-A**	**08/14/15 11:33**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 13:45**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	6.8	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-11-1	**15-08-1062-21-A**	**08/14/15 11:33**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 16:29**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	52	50	10.0	
4,4'-DDE	280	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-11-3	**15-08-1062-22-A**	**08/14/15 11:34**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 14:00**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	13	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-12-1	**15-08-1062-23-A**	**08/14/15 10:40**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 14:14**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	19	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-12-1	**15-08-1062-23-A**	**08/14/15 10:40**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 16:44**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	1400	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	125	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-12-3	**15-08-1062-24-A**	**08/14/15 10:43**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 14:28**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	22	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-13-1	**15-08-1062-25-A**	**08/14/15 07:50**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 14:43**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-13-1	**15-08-1062-25-A**	**08/14/15 07:50**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 17:00**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	81	50	10.0	
4,4'-DDE	61	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-13-3	**15-08-1062-26-A**	**08/14/15 07:54**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 14:57**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	7.3	5.0	1.00	
4,4'-DDE	40	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	51	24-168	
2,4,5,6-Tetrachloro-m-Xylene	47	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-1	**15-08-1062-27-A**	**08/14/15 08:02**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 15:11**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	40	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-1	**15-08-1062-27-A**	**08/14/15 08:02**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 17:15**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	42	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-3	**15-08-1062-28-A**	**08/14/15 08:05**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 17:30**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	13	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-1	**15-08-1062-29-A**	**08/14/15 08:19**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 10:54**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	7.9	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-1	**15-08-1062-29-A**	**08/14/15 08:19**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 13:27**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	170	50	10.0	
4,4'-DDE	160	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-3	**15-08-1062-30-A**	**08/14/15 08:16**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 11:10**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	8.0	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	55	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-16-1	**15-08-1062-31-A**	**08/14/15 08:33**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 11:25**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	6.6	5.0	1.00	
4,4'-DDE	26	5.0	1.00	
4,4'-DDT	38	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-16-3	**15-08-1062-32-A**	**08/14/15 08:35**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 11:40**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	30	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-30-1	**15-08-1062-59-A**	**08/14/15 11:20**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 13:42**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	50	10.0	
Alpha-BHC	ND	100	10.0	
Beta-BHC	ND	50	10.0	
Chlordane	ND	500	10.0	
4,4'-DDD	330	50	10.0	
4,4'-DDT	65	50	10.0	
Delta-BHC	ND	100	10.0	
Dieldrin	ND	50	10.0	
Endosulfan I	ND	50	10.0	
Endosulfan II	ND	50	10.0	
Endosulfan Sulfate	ND	50	10.0	
Endrin	ND	50	10.0	
Endrin Aldehyde	ND	50	10.0	
Endrin Ketone	ND	50	10.0	
Gamma-BHC	ND	50	10.0	
Heptachlor	ND	50	10.0	
Heptachlor Epoxide	ND	100	10.0	
Methoxychlor	ND	50	10.0	
Toxaphene	ND	1000	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	78	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

LB-30-1	15-08-1062-59-A	08/14/15 11:20	Solid	GC 41	08/14/15	08/17/15 15:28	150814L08

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	1100	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	156	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-30-3	**15-08-1062-60-A**	**08/14/15 11:22**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 12:10**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.2	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2210**	**N/A**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 10:39**	**150814L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2209**	**N/A**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 10:38**	**150814L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQ Blank	**15-08-1062-71-B**	**08/14/15 14:20**	**Aqueous**	**GC 44**	**08/14/15**	**08/17/15 11:16**	**150814L06**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.096	1.00	
Gamma-BHC	ND	0.096	1.00	
Beta-BHC	ND	0.096	1.00	
Heptachlor	ND	0.096	1.00	
Delta-BHC	ND	0.096	1.00	
Aldrin	ND	0.096	1.00	
Heptachlor Epoxide	ND	0.096	1.00	
Endosulfan I	ND	0.096	1.00	
Dieldrin	ND	0.096	1.00	
4,4'-DDE	ND	0.096	1.00	
Endrin	ND	0.096	1.00	
Endrin Aldehyde	ND	0.096	1.00	
4,4'-DDD	ND	0.096	1.00	
Endosulfan II	ND	0.096	1.00	
4,4'-DDT	ND	0.096	1.00	
Endosulfan Sulfate	ND	0.096	1.00	
Methoxychlor	ND	0.096	1.00	
Chlordane	ND	0.96	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.096	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	50-135	
2,4,5,6-Tetrachloro-m-Xylene	113	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-832**	**N/A**	**Aqueous**	**GC 44**	**08/14/15**	**08/17/15 11:02**	**150814L06**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	69	50-135	
2,4,5,6-Tetrachloro-m-Xylene	64	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-1	**15-08-1062-27-A**	**08/14/15 08:02**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 12:49**	**150814L12**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-14-3	**15-08-1062-28-A**	**08/14/15 08:05**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 14:32**	**150814L12**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-1	**15-08-1062-29-A**	**08/14/15 08:19**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 14:51**	**150814L12**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-15-3	**15-08-1062-30-A**	**08/14/15 08:16**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 13:47**	**150814L12**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3370**	**N/A**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 11:52**	**150814L12**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EQ Blank	**15-08-1062-71-B**	**08/14/15 14:20**	**Aqueous**	**GC 31**	**08/14/15**	**08/15/15 16:07**	**150814L06**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	0.96	1.00	
Aroclor-1221	ND	0.96	1.00	
Aroclor-1232	ND	0.96	1.00	
Aroclor-1242	ND	0.96	1.00	
Aroclor-1248	ND	0.96	1.00	
Aroclor-1254	ND	0.96	1.00	
Aroclor-1260	ND	0.96	1.00	
Aroclor-1262	ND	0.96	1.00	
Aroclor-1268	ND	0.96	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	235	50-135	2,7
2,4,5,6-Tetrachloro-m-Xylene	193	50-135	2,7

Method Blank	099-12-533-1076	N/A	Aqueous	GC 31	08/14/15	08/15/15 15:10	150814L06

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	
Aroclor-1268	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	55	50-135	
2,4,5,6-Tetrachloro-m-Xylene	51	50-135	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LB-11-3	**Sample**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 00:25**	**150814S08**
LB-11-3	**Matrix Spike**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 19:46**	**150814S08**
LB-11-3	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 20:04**	**150814S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	430.2	108	422.0	106	64-130	2	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.		Date Received:	08/14/15
17781 Cowan, Suite 140		Work Order:	15-08-1062
Irvine, CA 92614-6009		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SCIG			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LB-16-3	**Sample**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 04:46**	**150814S09**
LB-16-3	**Matrix Spike**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 03:19**	**150814S09**
LB-16-3	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 03:37**	**150814S09**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	401.6	100	438.0	110	64-130	9	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-0948-48	**Sample**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 12:26**	**150814S08**
15-08-0948-48	**Matrix Spike**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 12:41**	**150814S08**
15-08-0948-48	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 12:56**	**150814S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.08	76	15.01	60	50-135	24	0-25	
Alpha-BHC	ND	25.00	16.57	66	12.96	52	50-135	24	0-25	
Beta-BHC	ND	25.00	15.55	62	13.15	53	50-135	17	0-25	
4,4'-DDD	ND	25.00	43.07	172	30.56	122	50-135	34	0-25	3,4
4,4'-DDE	24.97	25.00	58.78	135	44.32	77	50-135	28	0-25	4
4,4'-DDT	9.849	25.00	31.34	86	22.80	52	50-135	32	0-25	4
Delta-BHC	ND	25.00	19.89	80	15.70	63	50-135	24	0-25	
Dieldrin	ND	25.00	39.50	158	28.62	114	50-135	32	0-25	3,4
Endosulfan I	7.443	25.00	31.58	97	23.58	65	50-135	29	0-25	4
Endosulfan II	ND	25.00	26.35	105	19.47	78	50-135	30	0-25	4
Endosulfan Sulfate	ND	25.00	22.19	89	16.47	66	50-135	30	0-25	4
Endrin	ND	25.00	36.99	148	26.87	107	50-135	32	0-25	3,4
Endrin Aldehyde	ND	25.00	14.57	58	11.90	48	50-135	20	0-25	3
Gamma-BHC	ND	25.00	16.36	65	13.19	53	50-135	21	0-25	
Heptachlor	ND	25.00	21.76	87	16.78	67	50-135	26	0-25	4
Heptachlor Epoxide	25.82	25.00	49.19	93	37.94	48	50-135	26	0-25	3,4
Methoxychlor	ND	25.00	18.06	72	13.25	53	50-135	31	0-25	4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LB-5-3	**Sample**	**Solid**	**GC 51**	**08/14/15**	**08/17/15 11:07**	**150814S11**
LB-5-3	**Matrix Spike**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 18:16**	**150814S11**
LB-5-3	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 18:31**	**150814S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	15.67	63	18.94	76	50-135	19	0-25	
Alpha-BHC	ND	25.00	17.54	70	19.53	78	50-135	11	0-25	
Beta-BHC	ND	25.00	17.63	71	22.71	91	50-135	25	0-25	
4,4'-DDD	ND	25.00	20.48	82	23.48	94	50-135	14	0-25	
4,4'-DDE	ND	25.00	20.41	82	23.27	93	50-135	13	0-25	
4,4'-DDT	ND	25.00	20.87	83	24.63	99	50-135	17	0-25	
Delta-BHC	ND	25.00	18.69	75	21.94	88	50-135	16	0-25	
Dieldrin	ND	25.00	20.26	81	22.90	92	50-135	12	0-25	
Endosulfan I	ND	25.00	19.13	77	21.52	86	50-135	12	0-25	
Endosulfan II	ND	25.00	20.03	80	22.62	90	50-135	12	0-25	
Endosulfan Sulfate	ND	25.00	20.58	82	23.76	95	50-135	14	0-25	
Endrin	ND	25.00	21.12	84	22.90	92	50-135	8	0-25	
Endrin Aldehyde	ND	25.00	17.97	72	19.96	80	50-135	10	0-25	
Gamma-BHC	ND	25.00	18.11	72	20.15	81	50-135	11	0-25	
Heptachlor	ND	25.00	17.11	68	21.17	85	50-135	21	0-25	
Heptachlor Epoxide	ND	25.00	17.29	69	20.25	81	50-135	16	0-25	
Methoxychlor	ND	25.00	21.97	88	25.09	100	50-135	13	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
LB-14-3	**Sample**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 14:32**	**150814S12**
LB-14-3	**Matrix Spike**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 12:11**	**150814S12**
LB-14-3	**Matrix Spike Duplicate**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 12:30**	**150814S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	100.0	100	103.4	103	50-135	3	0-20	
Aroclor-1260	ND	100.0	118.9	119	117.9	118	50-135	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: SCIG	Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1713	**LCS**	**Solid**	**GC 47**	**08/14/15**	**08/14/15 19:28**	**150814B08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	461.4	115	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: SCIG	Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1712	**LCS**	**Solid**	**GC 47**	**08/14/15**	**08/15/15 03:02**	**150814B09**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	415.5	104	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8015B (M)
Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-498-278	**LCS**	**Aqueous**	**GC 47**	**08/14/15**	**08/15/15 06:48**	**150814B14**
099-15-498-278	**LCSD**	**Aqueous**	**GC 47**	**08/14/15**	**08/15/15 07:05**	**150814B14**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	4000	4145	104	3869	97	75-117	7	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: SCIG	Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2210	**LCS**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 13:11**	**150814L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	14.70	59	50-135	36-149	
Alpha-BHC	25.00	11.78	47	50-135	36-149	ME
Beta-BHC	25.00	19.33	77	50-135	36-149	
4,4'-DDD	25.00	22.51	90	50-135	36-149	
4,4'-DDE	25.00	17.19	69	50-135	36-149	
4,4'-DDT	25.00	12.51	50	50-135	36-149	
Delta-BHC	25.00	12.60	50	50-135	36-149	
Dieldrin	25.00	17.65	71	50-135	36-149	
Endosulfan I	25.00	16.37	65	50-135	36-149	
Endosulfan II	25.00	18.44	74	50-135	36-149	
Endosulfan Sulfate	25.00	19.06	76	50-135	36-149	
Endrin	25.00	16.65	67	50-135	36-149	
Endrin Aldehyde	25.00	18.23	73	50-135	36-149	
Gamma-BHC	25.00	13.58	54	50-135	36-149	
Heptachlor	25.00	14.22	57	50-135	36-149	
Heptachlor Epoxide	25.00	15.53	62	50-135	36-149	
Methoxychlor	25.00	14.05	56	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: SCIG	Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2209	**LCS**	**Solid**	**GC 41**	**08/14/15**	**08/17/15 18:47**	**150814L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	17.96	72	50-135	36-149	
Alpha-BHC	25.00	18.51	74	50-135	36-149	
Beta-BHC	25.00	16.97	68	50-135	36-149	
4,4'-DDD	25.00	23.41	94	50-135	36-149	
4,4'-DDE	25.00	21.54	86	50-135	36-149	
4,4'-DDT	25.00	25.45	102	50-135	36-149	
Delta-BHC	25.00	20.17	81	50-135	36-149	
Dieldrin	25.00	22.01	88	50-135	36-149	
Endosulfan I	25.00	20.36	81	50-135	36-149	
Endosulfan II	25.00	23.29	93	50-135	36-149	
Endosulfan Sulfate	25.00	25.47	102	50-135	36-149	
Endrin	25.00	22.02	88	50-135	36-149	
Endrin Aldehyde	25.00	20.48	82	50-135	36-149	
Gamma-BHC	25.00	19.45	78	50-135	36-149	
Heptachlor	25.00	16.83	67	50-135	36-149	
Heptachlor Epoxide	25.00	19.11	76	50-135	36-149	
Methoxychlor	25.00	26.81	107	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-832	**LCS**	**Aqueous**	**GC 44**	**08/14/15**	**08/17/15 10:33**	**150814L06**
099-12-529-832	**LCSD**	**Aqueous**	**GC 44**	**08/14/15**	**08/17/15 10:48**	**150814L06**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.4436	89	0.4648	93	50-135	36-149	5	0-25	
Gamma-BHC	0.5000	0.4673	93	0.4889	98	50-135	36-149	5	0-25	
Beta-BHC	0.5000	0.4618	92	0.4816	96	50-135	36-149	4	0-25	
Heptachlor	0.5000	0.4280	86	0.4363	87	50-135	36-149	2	0-25	
Delta-BHC	0.5000	0.4996	100	0.5060	101	50-135	36-149	1	0-25	
Aldrin	0.5000	0.3961	79	0.4010	80	50-135	36-149	1	0-25	
Heptachlor Epoxide	0.5000	0.4249	85	0.4458	89	50-135	36-149	5	0-25	
Endosulfan I	0.5000	0.4128	83	0.4329	87	50-135	36-149	5	0-25	
Dieldrin	0.5000	0.4472	89	0.4650	93	50-135	36-149	4	0-25	
4,4'-DDE	0.5000	0.4599	92	0.4740	95	50-135	36-149	3	0-25	
Endrin	0.5000	0.4670	93	0.4846	97	50-135	36-149	4	0-25	
Endrin Aldehyde	0.5000	0.4562	91	0.4738	95	50-135	36-149	4	0-25	
4,4'-DDD	0.5000	0.4545	91	0.4682	94	50-135	36-149	3	0-25	
Endosulfan II	0.5000	0.4486	90	0.4739	95	50-135	36-149	5	0-25	
4,4'-DDT	0.5000	0.4823	96	0.4973	99	50-135	36-149	3	0-25	
Endosulfan Sulfate	0.5000	0.4552	91	0.4720	94	50-135	36-149	4	0-25	
Methoxychlor	0.5000	0.4799	96	0.4991	100	50-135	36-149	4	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8082
Project: SCIG	Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3370	**LCS**	**Solid**	**GC 31**	**08/14/15**	**08/15/15 11:33**	**150814L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	103.2	103	50-135	
Aroclor-1260	100.0	113.6	114	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3510C
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-533-1076	**LCS**	**Aqueous**	**GC 31**	**08/14/15**	**08/15/15 15:29**	**150814L06**
099-12-533-1076	**LCSD**	**Aqueous**	**GC 31**	**08/14/15**	**08/15/15 15:48**	**150814L06**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.602	80	1.930	97	50-135	19	0-25	
Aroclor-1260	2.000	1.383	69	1.591	80	50-135	14	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1062 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3510C	682	GC 47	1
EPA 8015B (M)	EPA 3550B	682	GC 47	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 51	1
EPA 8081A	EPA 3510C	669	GC 44	1
EPA 8082	EPA 3545	944	GC 31	1
EPA 8082	EPA 3510C	944	GC 31	1

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1062**

DATE: 8-14-15 (1/8)
PAGE: 1 OF 7

LABORATORY CLIENT: LCI	CLIENT PROJECT NAME / NO.: SCIG
ADDRESS: 17781 Cowan	P.O. NO.: 603127.015
CITY: Irvine STATE: CA ZIP: 92614	PROJECT CONTACT: Mark Withrow
TEL:	E-MAIL: mwithrow@leightongroup.com
GLOBAL ID:	LOG CODE:
	SAMPLER(S): (PRINT) A. Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☒ ~~SAME DAY~~ AR ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD: ☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	OCPs 8081			
1	LB-1-1	8-14-15	1242	Soil	1	X					X															
2	LB-1-3	8.14.15	1244		1	X					X															
3	LB-2-1	8.14.15	1250		1	X					X															
4	LB-2-3	8.14.15	1251		1	X					X															
5	LB-3-1	8.14.15	1259		1	X					X															
6	LB-3-3	8.14.15	1300		1	X					X															
7	LB-4-1	8.14.15	1305		1	X					X															
8	LB-4-3	8.14.15	1306		1	X					X															
9	LB-5-1	8.14.15	1351		1	X																	X			
10	LB-53	8.14.15	1353	↓	1	X																	X			

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) DHL GLC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8/14/15
PAGE: 2 OF 7

LABORATORY CLIENT: LCI	CLIENT PROJECT NAME / NO.: SCIG
ADDRESS: 17781 Cowan	P.O. NO.: 603127.015
CITY: Irvine STATE: CA ZIP: 92614	PROJECT CONTACT: M.W.
TEL:	E-MAIL: mwithrow@leightongroup.com
GLOBAL ID:	LOG CODE:
	SAMPLER(S): (PRINT) A. Rios

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ ~~SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	OCPs 8081			
11	LB-6-1	8.14.15	1328	SOIL	1	X																	X			
12	LB-6-3	8.14.15	1329																				X			
13	LB-7-1	8.14.15	1345																				X			
14	LB-7-3	8.14.15	1346																				X			
15	LB-8-1	8.14.15	1338																				X			
16	LB-8-3	8.14.15	1340																				X			
17	LB-9-1	8.14.15	10:51								X												X			
18	LB-9-3	8.14.15	10:53								X												X			
19	LB-10-1	8.14.15	11:00								X												X			
20	LB-10-3	8.14.15	11:02	↓	↓	↓					X												X			

Relinquished by: (Signature) A-R	Received by: (Signature/Affiliation) Pannyle ECC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8-14-15 (3/8)
PAGE: 3 OF 7

LABORATORY CLIENT: LCI
ADDRESS: See pg 1
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
PROJECT CONTACT:
GLOBAL ID: LOG CODE:

P.O. NO.: 603127.015
LAB CONTACT OR QUOTE NO.:
SAMPLER(S): (PRINT) A Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
~~☐ SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	OCPs 8081			
21	LB-11-1	8.14.15	10:33	SOIL	1	X					X												X			
22	LB-11-3	8.14.15	10:34								X												X			
23	LB-12-1	8.14.15	1040								X												X			
24	LB-12-3	8.14.15	1043								X												X			
25	LB-13-1	8-14-15	0750								X												X			
26	LB-13-3	8.14.15	0754								X												X			
27	LB-14-1	8.14.15	802								X								X				X			
28	LB-14-3	8.14.15	805								X								X				X			
29	LB-15-1	8.14.15	8:19								X								X				X			
30	LB-15-3	8.14.15	0816								X								X				X			

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) Bonnyle ECL	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

(4/8) DATE: 8-14-15 PAGE: 4 OF 7

LABORATORY CLIENT: LCI See pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W.
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A. Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ ~~SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	OCP 8081	HOLD		
31	LB-16-1	8.14.15	833	SOIL	1	X					X												X			
32	LB-16-3	8.14.15	835								X												X			
33	LB-17-1	8.14.15	1229																					X		
34	LB-17-3	8.14.15	1230																					X		
35	LB-18-1	8.14.15	1235																					X		
36	LB-18-3	8.14.15	1237																					X		
37	LB-19-1	8.14.15	1311																					X		
38	LB-19-3	8.14.15	1313																					X		
39	LB-20-1	8.14.15	~~1321~~ 1319 AR																					X		
40	LB-20-3	8.14.15	1321																					X		

Relinquished by: (Signature) A. Ries	Received by: (Signature/Affiliation) Dannyle ECC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8-14-15
PAGE: 5 OF 7

LABORATORY CLIENT: LCI see pg1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
~~☒ SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35

REQUESTED ANALYSES
Please check box or fill in blank as needed.

	LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Hold			
41	~~57~~	LB-21-1	8.14.15	1359	Soil	1	X																	X			
42	~~58~~	LB-21-3	8.14.15	1400																				X			
43	~~59~~	LB-22-1	8.14.15	1218																				X			
44	~~60~~	LB-22-3	8.14.15	12:20																				X			
45	~~61~~	LB-23-1	8.14.15	1202																				X			
46	~~62~~	LB-23-3	8.14.15	1204																				X			
47	~~63~~	LB-24-1	8.14.15	1150																				X			
48	~~64~~	LB-24-3	8.14.15	1151																				X			
49	~~65~~	LB-25-1	8.14.15	1140																				X			
50	~~66~~	LB-25-3	8.14.15	1142																				X			

Relinquished by: (Signature) 8/14/15 A. R	Received by: (Signature/Affiliation) Penny G ECC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8/14/15
PAGE: 5 OF 7

LABORATORY CLIENT: LCI see pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W.
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A. Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35
Run LB-30-1
and LB-30-3

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	HOLD			
51	LB-26-1	8.14.15	11:30	SOIL	1	X																	X			
52	LB-26-3	8.14.15	11:32																				X			
53	LB-27-1	8.14.15	10:01																				X			
54	LB-27-3	8.14.15	10:03																				X			
55	LB-28-1	8.14.15	10:13																				X			
56	LB-28-3	8.14.15	10:15																				X			
57	LB-29-1	8.14.15	10:22																				X			
58	LB-29-3	8.14.15	10:24																				X			
59	LB-30-1	8.14.15	11:20								X							X					X	AR		
60	LB-30-3	8.14.15	11:22			✓					X							X					X	AR		

Relinquished by: (Signature) 8/14/15 AR	Received by: (Signature/Affiliation) Danny L GLS	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8-14-15 (7/8)
PAGE: 6 OF 7

LABORATORY CLIENT: LCI see pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A-Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
~~☒ SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	Hold
61	LB-31-1	8.14.15	9:46	SOIL	1	X																	X
62	LB-31-3	8.14.15	9:48																				X
63	LB-32-1	8.14.15	9:24																				X
64	LB-32-3	8/14/15	9:25																				X
65	LB-33-1	8.14.15	9:12																				X
66	LB-33-3	8.14.15	9:14																				X
67	LB-34-1	8.14.15	9:07																				X
68	LB-34-3	8.14.15	9:08																				X
69	LB-35-1	8.14.15	11:11																				X
70	LB-35-3	8.14.15	11:13																				X

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) Bonnyle GLC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

(8/6) DATE: 8.14.15
PAGE: 7 OF 7

LABORATORY CLIENT: LCI See pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT): A. Rios

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ ~~SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
71	EQ Blank	8.14.15	1420	W	3	X					X							X	X						

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) Dannyle ECL	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER NUMBER: 15-08- 1062

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 3

CLIENT: LCI

DATE: 08 / 14 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.9 °C (w/ CF): 3.7 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☑ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☑ 1AGB 2 ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: [signature]

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WORK ORDER NUMBER: 15-08- 1062

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 3

CLIENT: LCI

DATE: 08 / 14 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.6 °C (w/ CF): 4.4 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 653

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 653

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 1013

s = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH Reviewed by: SM

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WORK ORDER NUMBER: 15-08- 1062

SAMPLE RECEIPT CHECKLIST

COOLER 3 OF 3

CLIENT: LCI

DATE: 08 / 14 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5.1 °C (w/ CF): 4.9 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: BM

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Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.

WORK ORDER NUMBER: 15-08-1062

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: SCIG

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/19/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1062

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/14/15. They were assigned to Work Order 15-08-1062.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-28-1	**15-08-1062-55-A**	**08/14/15 10:13**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 18:33**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-28-3	**15-08-1062-56-A**	**08/14/15 10:15**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 19:01**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-29-1	**15-08-1062-57-A**	**08/14/15 10:22**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 19:18**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-29-3	**15-08-1062-58-A**	**08/14/15 10:24**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 19:35**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-32-1	**15-08-1062-63-A**	**08/14/15 09:24**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 19:53**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-32-3	**15-08-1062-64-A**	**08/14/15 09:25**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 20:10**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	10	2.00	
C7	ND	10	2.00	
C8	ND	10	2.00	
C9-C10	ND	10	2.00	
C11-C12	ND	10	2.00	
C13-C14	ND	10	2.00	
C15-C16	ND	10	2.00	
C17-C18	ND	10	2.00	
C19-C20	ND	10	2.00	
C21-C22	ND	10	2.00	
C23-C24	10	10	2.00	
C25-C28	34	10	2.00	
C29-C32	72	10	2.00	
C33-C36	64	10	2.00	
C37-C40	66	10	2.00	
C41-C44	57	10	2.00	
C6-C44 Total	320	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-33-1	**15-08-1062-65-A**	**08/14/15 09:12**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 20:28**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	ND	50	10.0	
C13-C14	ND	50	10.0	
C15-C16	54	50	10.0	
C17-C18	66	50	10.0	
C19-C20	81	50	10.0	
C21-C22	97	50	10.0	
C23-C24	90	50	10.0	
C25-C28	200	50	10.0	
C29-C32	310	50	10.0	
C33-C36	270	50	10.0	
C37-C40	260	50	10.0	
C41-C44	150	50	10.0	
C6-C44 Total	1600	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-33-3	**15-08-1062-66-A**	**08/14/15 09:14**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 20:45**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1716**	**N/A**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 17:53**	**150818B06A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-21-1	**15-08-1062-41-A**	**08/14/15 13:59**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 11:40**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	47	5.0	1.00	
4,4'-DDE	220	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-21-3	**15-08-1062-42-A**	**08/14/15 14:00**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 12:01**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-26-1	**15-08-1062-51-A**	**08/14/15 11:30**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 12:15**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	92	5.0	1.00	
4,4'-DDE	620	5.0	1.00	
4,4'-DDT	5.1	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-26-3	**15-08-1062-52-A**	**08/14/15 11:32**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 12:30**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	38	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-28-1	**15-08-1062-55-A**	**08/14/15 10:13**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 12:44**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	52	5.0	1.00	
4,4'-DDE	810	5.0	1.00	
4,4'-DDT	20	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-28-3	**15-08-1062-56-A**	**08/14/15 10:15**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 12:59**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	49	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-29-1	**15-08-1062-57-A**	**08/14/15 10:22**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 13:13**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	40	5.0	1.00	
4,4'-DDE	470	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-29-3	**15-08-1062-58-A**	**08/14/15 10:24**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 13:27**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-32-1	**15-08-1062-63-A**	**08/14/15 09:24**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 13:41**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	38	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SCIG

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-32-3	**15-08-1062-64-A**	**08/14/15 09:25**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 14:51**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	25	5.00	
Alpha-BHC	ND	50	5.00	
Beta-BHC	ND	25	5.00	
Chlordane	ND	250	5.00	
4,4'-DDD	ND	25	5.00	
4,4'-DDE	38	25	5.00	
4,4'-DDT	44	25	5.00	
Delta-BHC	ND	50	5.00	
Dieldrin	ND	25	5.00	
Endosulfan I	ND	25	5.00	
Endosulfan II	ND	25	5.00	
Endosulfan Sulfate	ND	25	5.00	
Endrin	ND	25	5.00	
Endrin Aldehyde	ND	25	5.00	
Endrin Ketone	ND	25	5.00	
Gamma-BHC	ND	25	5.00	
Heptachlor	ND	25	5.00	
Heptachlor Epoxide	ND	50	5.00	
Methoxychlor	ND	25	5.00	
Toxaphene	ND	500	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-33-1	**15-08-1062-65-A**	**08/14/15 09:12**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 14:10**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	25	5.00	
Alpha-BHC	ND	50	5.00	
Beta-BHC	ND	25	5.00	
Chlordane	ND	250	5.00	
4,4'-DDD	84	25	5.00	
4,4'-DDE	110	25	5.00	
4,4'-DDT	ND	25	5.00	
Delta-BHC	ND	50	5.00	
Dieldrin	ND	25	5.00	
Endosulfan I	ND	25	5.00	
Endosulfan II	ND	25	5.00	
Endosulfan Sulfate	ND	25	5.00	
Endrin	ND	25	5.00	
Endrin Aldehyde	ND	25	5.00	
Endrin Ketone	ND	25	5.00	
Gamma-BHC	ND	25	5.00	
Heptachlor	ND	25	5.00	
Heptachlor Epoxide	ND	50	5.00	
Methoxychlor	ND	25	5.00	
Toxaphene	ND	500	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	127	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
LB-33-3	**15-08-1062-66-A**	**08/14/15 09:14**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 14:25**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	ND	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: SCIG

Date Received: 08/14/15
Work Order: 15-08-1062
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2215**	**N/A**	**Solid**	**GC 44**	**08/18/15**	**08/19/15 11:26**	**150818L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: SCIG	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1262-1	**Sample**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 22:46**	**150818S06**
15-08-1262-1	**Matrix Spike**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 22:11**	**150818S06**
15-08-1262-1	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 22:28**	**150818S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	113.9	400.0	459.3	86	502.6	97	64-130	9	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/14/15
17781 Cowan, Suite 140	Work Order: 15-08-1062
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: SCIG	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1716	**LCS**	**Solid**	**GC 47**	**08/18/15**	**08/18/15 18:09**	**150818B06A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	392.4	98	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1062 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3550B	682	GC 47	1
EPA 8081A	EPA 3545	669	GC 44	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1062 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1062**

DATE: 8-14-15 (1/8)
PAGE: 1 OF 7

LABORATORY CLIENT: LCI
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A. Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	OCPs 8081			
1	LB-1-1	8-14-15	1242	Soil	1	X					X															
2	LB-1-3	8.14.15	1244		1	X					X															
3	LB-2-1	8.14.15	1250		1	X					X															
4	LB-2-3	8.14.15	1251		1	X					X															
5	LB-3-1	8.14.15	1259		1	X					X															
6	LB-3-3	8.14.15	1300		1	X					X															
7	LB-4-1	8.14.15	1305		1	X					X															
8	LB-4-3	8.14.15	1306		1	X					X															
9	LB-5-1	8.14.15	1351		1	X																	X			
10	LB-53	8.14.15	1353	↓	1	X																	X			

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) DHL GLC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8/14/15
PAGE: 2 OF 7

LABORATORY CLIENT: LCI
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: [redacted] E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W.
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) A. Rios

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ ~~SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	OCPs 8081			
11	LB-6-1	8.14.15	1328	SOIL	1	X																	X			
12	LB-6-3	8.14.15	1329																				X			
13	LB-7-1	8.14.15	1345																				X			
14	LB-7-3	8.14.15	1346																				X			
15	LB-8-1	8.14.15	1338																				X			
16	LB-8-3	8.14.15	1340																				X			
17	LB-9-1	8.14.15	10:51								X												X			
18	LB-9-3	8.14.15	10:53								X												X			
19	LB-10-1	8.14.15	11:00								X												X			
20	LB-10-3	8.14.15	11:02	↓	↓	↓					X												X			

Relinquished by: (Signature) A-R	Received by: (Signature/Affiliation) Pannyle ECC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8-14-15 (3/8)
PAGE: 3 OF 7

LABORATORY CLIENT: LCI
ADDRESS: See pg 1
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
PROJECT CONTACT:
GLOBAL ID: LOG CODE:

P.O. NO.: 603127.015
LAB CONTACT OR QUOTE NO.:
SAMPLER(S): (PRINT) A Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
~~☒ SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 / C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	OCPs 8081			
21	LB-11-1	8.14.15	10:33	Soil	1	X					X												X			
22	LB-11-3	8.14.15	10:34								X												X			
23	LB-12-1	8.14.15	1040								X												X			
24	LB-12-3	8.14.15	1043								X												X			
25	LB-13-1	8-14-15	0750								X												X			
26	LB-13-3	8.14.15	0754								X												X			
27	LB-14-1	8.14.15	802								X								X				X			
28	LB-14-3	8.14.15	805								X								X				X			
29	LB-15-1	8.14.15	8:19								X								X				X			
30	LB-15-3	8.14.15	0816								X								X				X			

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) Bonnyle ECL	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

(4/8) DATE: 8-14-15 PAGE: 4 OF 7

LABORATORY CLIENT: LCI See pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W.
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A. Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ ~~SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/7471X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	OCP 8081	HOLD		
31	LB-16-1	8.14.15	833	SOIL	1	X					X												X			
32	LB-16-3	8.14.15	835								X												X			
33	LB-17-1	8.14.15	1229																					X		
34	LB-17-3	8.14.15	1230																					X		
35	LB-18-1	8.14.15	1235																					X		
36	LB-18-3	8.14.15	1237																					X		
37	LB-19-1	8.14.15	1311																					X		
38	LB-19-3	8.14.15	1313																					X		
39	LB-20-1	8.14.15	~~1321~~ 1319 AR																					X		
40	LB-20-3	8.14.15	1321																					X		

Relinquished by: (Signature) A. Ries	Received by: (Signature/Affiliation) Dannyle ECC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8-14-15
PAGE: 5 OF 7

LABORATORY CLIENT: LCI see pg1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
~~☒ SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35

REQUESTED ANALYSES
Please check box or fill in blank as needed.

	LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	Hold			
41	~~57~~	LB-21-1	8.14.15	1359	Soil	1	X																	X			
42	~~58~~	LB-21-3	8.14.15	1400																				X			
43	~~59~~	LB-22-1	8.14.15	1218																				X			
44	~~60~~	LB-22-3	8.14.15	12:20																				X			
45	~~61~~	LB-23-1	8.14.15	1202																				X			
46	~~62~~	LB-23-3	8.14.15	1204																				X			
47	~~63~~	LB-24-1	8.14.15	1150																				X			
48	~~64~~	LB-24-3	8.14.15	1151																				X			
49	~~65~~	LB-25-1	8.14.15	1140																				X			
50	~~66~~	LB-25-3	8.14.15	1142																				X			

Relinquished by: (Signature) 8/14/15 A. R	Received by: (Signature/Affiliation) Danny G ZZZ	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8/14/15
PAGE: 5 OF 7

LABORATORY CLIENT: LCI see pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W.
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A. Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35
Run LB-30-1
and LB-30-3

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	HOLD			
51	LB-26-1	8.14.15	11:30	SOIL	1	X																	X			
52	LB-26-3	8.14.15	11:32																				X			
53	LB-27-1	8.14.15	10:01																				X			
54	LB-27-3	8.14.15	10:03																				X			
55	LB-28-1	8.14.15	10:13																				X			
56	LB-28-3	8.14.15	10:15																				X			
57	LB-29-1	8.14.15	10:22																				X			
58	LB-29-3	8.14.15	10:24																				X			
59	LB-30-1	8.14.15	11:20								X							X					X	AR		
60	LB-30-3	8.14.15	11:22			✓					X							X					X	AR		

Relinquished by: (Signature) 8/14/15 AR	Received by: (Signature/Affiliation) Danny L GLS	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

DATE: 8-14-15 (7/8)
PAGE: 6 OF 7

LABORATORY CLIENT: LCI see pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: M.W
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT) A-Ries

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
~~☒ SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:
Hold LB-17 through LB-35

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Hold			
61	LB-31-1	8.14.15	9:46	SOIL	1	X																	X			
62	LB-31-3	8.14.15	9:48																				X			
63	LB-32-1	8.14.15	9:24																				X			
64	LB-32-3	8/14/15	9:25																				X			
65	LB-33-1	8.14.15	9:12																				X			
66	LB-33-3	8.14.15	9:14																				X			
67	LB-34-1	8.14.15	9:07																				X			
68	LB-34-3	8.14.15	9:08																				X			
69	LB-35-1	8.14.15	11:11																				X			
70	LB-35-3	8.14.15	11:13																				X			

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) Bonnyle GLC	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1062

(8/6) DATE: 8.14.15
PAGE: 7 OF 7

LABORATORY CLIENT: LCI See pg 1
ADDRESS:
CITY: STATE: ZIP:
TEL: E-MAIL:

CLIENT PROJECT NAME / NO.: SCIG
P.O. NO.: 603127.015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID: LOG CODE:
SAMPLER(S): (PRINT): A. Rios

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☒ ~~SAME DAY~~ ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
71	EQ Blank	8.14.15	1420	W	3	X					X							X	X						

Relinquished by: (Signature) A. R	Received by: (Signature/Affiliation) Dannyle ECL	Date: 8/14/15	Time: 15:09
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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WORK ORDER NUMBER: 15-08- 1062

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 3

CLIENT: LCI

DATE: 08 / 14 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.9 °C (w/ CF): 3.7 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☑ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☑ 1AGB 2 ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: [signature]

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WORK ORDER NUMBER: 15-08- 1062

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 3

CLIENT: LCI

DATE: 08 / 14 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.6 °C (w/ CF): 4.4 °C; ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 653

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 653

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 1013

s = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH Reviewed by: SM

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WORK ORDER NUMBER: 15-08- 1062

SAMPLE RECEIPT CHECKLIST

COOLER 3 OF 3

CLIENT: LCI

DATE: 08 / 14 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5.1 °C (w/ CF): 4.9 °C; ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☒ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☑ Sleeve (P) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: BM

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Amanda Porter

From: Mark Withrow [mwithrow@leightongroup.com]
Sent: Tuesday, August 18, 2015 2:45 PM
To: Amanda Porter
Subject: RE: SCIG / ECI 15-08-1062

Hi Amanda,
Can you please run the additional samples below:

Sample ID	TPH C6-C44 8015	Pesticides 8081
LB-21-1		X
LB-21-3		X
LB-26-1		X
LB-26-3		X
LB-28-1	X	X
LB-28-3	X	X
LB-29-1	X	X
LB-29-3	X	X
LB-32-1	X	X
LB-32-3	X	X
LB-33-1	X	X
LB-33-3	X	X

We will need these results as soon as you can. Is close of business tomorrow possible? Thanks.

Mark Withrow
Project Engineer
17781 Cowan
Irvine, CA 92614
cell: 949-394-2194
office: 949-681-4211
Leighton
Solutions You Can Build On

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Please consider the environment before printing this e-mail.

From: Amanda Porter [mailto:AmandaPorter@eurofinsUS.com]
Sent: Tuesday, August 18, 2015 11:36 AM
To: Mark Withrow
Subject: SCIG / ECI 15-08-1062

Amanda Porter
Project Manager

Eurofins Calscience, Inc.

Revised

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Supplemental Report 1

WORK ORDER NUMBER: 15-08-1175

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/19/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1175

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/17/15. They were assigned to Work Order 15-08-1175.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: N/A
Method: EPA 300.0
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 14:44**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	160	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 15:00**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	130	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 15:17**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	92	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 15:33**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	120	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 15:49**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	740	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 16:06**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	420	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 16:22**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	50	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 16:39**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	36	10	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	N/A
		Method:	EPA 300.0
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-922-631**	**N/A**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 14:11**	**150818L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	ND	10	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: N/A
Method: EPA 376.2M
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	0.75	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	0.50	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	0.75	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	0.75	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	ND	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	2.0	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	0.50	0.50	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	N/A
		Method:	EPA 376.2M
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-001-5497**	**N/A**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	ND	0.50	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-N1-2'	**15-08-1175-1-A**	**08/17/15 11:00**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 05:16**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-E1-2'	**15-08-1175-2-A**	**08/17/15 11:02**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 05:34**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	119	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-W1-2'	**15-08-1175-3-A**	**08/17/15 11:04**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 05:53**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	8.8	5.0	1.00	
C33-C36	11	5.0	1.00	
C37-C40	9.5	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	36	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	124	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-S1-2'	**15-08-1175-4-A**	**08/17/15 11:06**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 06:12**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	118	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-F-3'	**15-08-1175-5-A**	**08/17/15 10:59**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 06:30**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	ND	50	10.0	
C13-C14	ND	50	10.0	
C15-C16	ND	50	10.0	
C17-C18	ND	50	10.0	
C19-C20	ND	50	10.0	
C21-C22	ND	50	10.0	
C23-C24	ND	50	10.0	
C25-C28	ND	50	10.0	
C29-C32	120	50	10.0	
C33-C36	120	50	10.0	
C37-C40	140	50	10.0	
C41-C44	120	50	10.0	
C6-C44 Total	540	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	126	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 06:49**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	ND	50	10.0	
C13-C14	ND	50	10.0	
C15-C16	ND	50	10.0	
C17-C18	ND	50	10.0	
C19-C20	ND	50	10.0	
C21-C22	ND	50	10.0	
C23-C24	ND	50	10.0	
C25-C28	ND	50	10.0	
C29-C32	180	50	10.0	
C33-C36	220	50	10.0	
C37-C40	250	50	10.0	
C41-C44	190	50	10.0	
C6-C44 Total	860	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 07:08**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	8.2	5.0	1.00	
C29-C32	26	5.0	1.00	
C33-C36	35	5.0	1.00	
C37-C40	45	5.0	1.00	
C41-C44	38	5.0	1.00	
C6-C44 Total	160	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 07:26**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	7.8	5.0	1.00	
C33-C36	13	5.0	1.00	
C37-C40	20	5.0	1.00	
C41-C44	15	5.0	1.00	
C6-C44 Total	65	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 07:44**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	8.8	5.0	1.00	
C33-C36	9.9	5.0	1.00	
C37-C40	12	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	55	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 10 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 08:03**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 08:39**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	127	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 08:57**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	128	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 09:16**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	129	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1715**	**N/A**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 04:01**	**150817B07**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-N1-2'	**15-08-1175-1-A**	**08/17/15 11:00**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:00**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	4.65	0.728	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-E1-2'	**15-08-1175-2-A**	**08/17/15 11:02**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:03**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	4.63	0.773	1.03	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-W1-2'	**15-08-1175-3-A**	**08/17/15 11:04**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:04**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	5.66	0.728	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-S1-2'	**15-08-1175-4-A**	**08/17/15 11:06**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:05**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	2.38	0.718	0.957	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-S-F-3'	**15-08-1175-5-A**	**08/17/15 10:59**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:06**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	8.29	0.739	0.985	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-N1-2'	**15-08-1175-15-A**	**08/17/15 12:17**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:07**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.15	0.769	1.03	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-N2-4'	**15-08-1175-16-A**	**08/17/15 12:24**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:09**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	6.50	0.735	0.980	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-E1-2'	**15-08-1175-17-A**	**08/17/15 12:21**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:10**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.21	0.746	0.995	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-E2-4'	**15-08-1175-18-A**	**08/17/15 12:30**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:11**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	5.48	0.765	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-W1-2'	**15-08-1175-19-A**	**08/17/15 12:19**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:12**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.84	0.714	0.952	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-W2-4'	**15-08-1175-20-A**	**08/17/15 12:31**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:13**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	9.37	0.758	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-S1-2'	**15-08-1175-21-A**	**08/17/15 12:20**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:16**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.30	0.761	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-S2-4'	**15-08-1175-22-A**	**08/17/15 12:31**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:17**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	30.1	0.743	0.990	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-D-F-5'	**15-08-1175-23-A**	**08/17/15 12:32**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:18**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	25.0	0.761	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-N1-2'	**15-08-1175-26-A**	**08/17/15 13:12**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:19**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.96	0.765	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-N2-4'	**15-08-1175-27-A**	**08/17/15 13:21**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:21**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	3.44	0.714	0.952	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-E1-2'	**15-08-1175-28-A**	**08/17/15 13:14**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:22**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	2.14	0.754	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-E1-2'D	**15-08-1175-29-A**	**08/17/15 13:14**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:23**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.72	0.781	1.04	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-E2-4'	**15-08-1175-30-A**	**08/17/15 13:20**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:24**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	2.18	0.728	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-W1-2'	**15-08-1175-31-A**	**08/17/15 13:11**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:25**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.33	0.777	1.04	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-W2-4'	**15-08-1175-32-A**	**08/17/15 13:18**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:27**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.66	0.728	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-S1-2'	**15-08-1175-33-A**	**08/17/15 13:13**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:30**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	1.85	0.714	0.952	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-S2-4'	**15-08-1175-34-A**	**08/17/15 13:19**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:31**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	2.41	0.746	0.995	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-D-F-5'	**15-08-1175-35-A**	**08/17/15 13:24**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 14:32**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	5.44	0.721	0.962	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21607**	**N/A**	**Solid**	**ICP 7300**	**08/17/15**	**08/17/15 15:51**	**150817L01**

Parameter	Result	RL	DF	Qualifiers
Arsenic	ND	0.725	0.966	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21614**	**N/A**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:09**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Arsenic	ND	0.781	1.04	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:22**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	12.7	0.758	1.01	
Barium	125	0.505	1.01	
Beryllium	0.265	0.253	1.01	
Cadmium	1.25	0.505	1.01	
Chromium	21.7	0.253	1.01	
Cobalt	10.8	0.253	1.01	
Copper	27.1	0.505	1.01	
Lead	21.2	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	17.4	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	33.4	0.253	1.01	
Zinc	88.7	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:31**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	4.35	0.758	1.01	
Barium	116	0.505	1.01	
Beryllium	0.276	0.253	1.01	
Cadmium	1.06	0.505	1.01	
Chromium	20.2	0.253	1.01	
Cobalt	11.4	0.253	1.01	
Copper	22.8	0.505	1.01	
Lead	7.00	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	16.3	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	34.0	0.253	1.01	
Zinc	59.7	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:33**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.735	0.980	
Arsenic	3.17	0.735	0.980	
Barium	131	0.490	0.980	
Beryllium	0.333	0.245	0.980	
Cadmium	1.22	0.490	0.980	
Chromium	23.0	0.245	0.980	
Cobalt	11.8	0.245	0.980	
Copper	24.0	0.490	0.980	
Lead	7.55	0.490	0.980	
Molybdenum	ND	0.245	0.980	
Nickel	16.9	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	36.7	0.245	0.980	
Zinc	63.7	0.980	0.980	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 4 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:34**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	1.99	0.732	0.976	
Barium	100	0.488	0.976	
Beryllium	ND	0.244	0.976	
Cadmium	0.880	0.488	0.976	
Chromium	17.1	0.244	0.976	
Cobalt	9.92	0.244	0.976	
Copper	16.9	0.488	0.976	
Lead	3.44	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	13.3	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	28.8	0.244	0.976	
Zinc	47.7	0.976	0.976	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:36**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.769	1.03	
Arsenic	18.2	0.769	1.03	
Barium	152	0.513	1.03	
Beryllium	0.337	0.256	1.03	
Cadmium	1.15	0.513	1.03	
Chromium	23.2	0.256	1.03	
Cobalt	13.0	0.256	1.03	
Copper	26.8	0.513	1.03	
Lead	3.94	0.513	1.03	
Molybdenum	ND	0.256	1.03	
Nickel	18.3	0.256	1.03	
Selenium	ND	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	39.9	0.256	1.03	
Zinc	56.7	1.03	1.03	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:37**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.765	1.02	
Arsenic	8.78	0.765	1.02	
Barium	122	0.510	1.02	
Beryllium	0.259	0.255	1.02	
Cadmium	0.964	0.510	1.02	
Chromium	18.4	0.255	1.02	
Cobalt	11.0	0.255	1.02	
Copper	21.2	0.510	1.02	
Lead	3.22	0.510	1.02	
Molybdenum	ND	0.255	1.02	
Nickel	14.7	0.255	1.02	
Selenium	ND	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	32.7	0.255	1.02	
Zinc	48.3	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 7 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:39**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.773	1.03	
Arsenic	2.21	0.773	1.03	
Barium	129	0.515	1.03	
Beryllium	0.293	0.258	1.03	
Cadmium	1.09	0.515	1.03	
Chromium	20.1	0.258	1.03	
Cobalt	12.1	0.258	1.03	
Copper	22.3	0.515	1.03	
Lead	4.44	0.515	1.03	
Molybdenum	ND	0.258	1.03	
Nickel	15.9	0.258	1.03	
Selenium	ND	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	35.2	0.258	1.03	
Zinc	55.6	1.03	1.03	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:41**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.769	1.03	
Arsenic	2.66	0.769	1.03	
Barium	139	0.513	1.03	
Beryllium	0.314	0.256	1.03	
Cadmium	1.15	0.513	1.03	
Chromium	20.7	0.256	1.03	
Cobalt	12.6	0.256	1.03	
Copper	24.0	0.513	1.03	
Lead	4.33	0.513	1.03	
Molybdenum	ND	0.256	1.03	
Nickel	16.8	0.256	1.03	
Selenium	ND	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	36.1	0.256	1.03	
Zinc	55.0	1.03	1.03	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21614**	**N/A**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:09**	**150817L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.781	1.04	
Arsenic	ND	0.781	1.04	
Barium	ND	0.521	1.04	
Beryllium	ND	0.260	1.04	
Cadmium	ND	0.521	1.04	
Chromium	ND	0.260	1.04	
Cobalt	ND	0.260	1.04	
Copper	ND	0.521	1.04	
Lead	ND	0.521	1.04	
Molybdenum	ND	0.260	1.04	
Nickel	ND	0.260	1.04	
Selenium	ND	0.781	1.04	
Silver	ND	0.260	1.04	
Thallium	ND	0.781	1.04	
Vanadium	ND	0.260	1.04	
Zinc	ND	1.04	1.04	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**Mercury 05**	**08/17/15**	**08/18/15 13:21**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.321	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:02**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0877	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:05**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:07**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0877	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:09**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:12**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.165	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:14**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**Mercury 05**	**08/17/15**	**08/17/15 21:16**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0877	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-1534**	**N/A**	**Solid**	**Mercury 05**	**08/14/15**	**08/14/15 17:52**	**150814L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 13:17**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	14	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	126	24-168	
2,4,5,6-Tetrachloro-m-Xylene	106	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 18:20**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	41	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 13:31**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	ND	5.1	1.00	
4,4'-DDE	14	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-S-N1-2'	**15-08-1175-8-A**	**08/17/15 14:02**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 13:45**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-S-E1-2'	**15-08-1175-9-A**	**08/17/15 14:03**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 14:03**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: POLA SCIG / 603127015			Page 5 of 14

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-S-W1-2'	**15-08-1175-10-A**	**08/17/15 14:04**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 14:17**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-S-S1-2'	**15-08-1175-11-A**	**08/17/15 14:05**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 14:32**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-S-F-3'	**15-08-1175-12-A**	**08/17/15 14:06**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 14:46**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	9.4	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-S-F-3'	**15-08-1175-12-A**	**08/17/15 14:06**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 18:34**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	43	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 15:00**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	9.3	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 18:48**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	52	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 15:15**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 16:54**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 17:08**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 17:23**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 17:37**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2214**	**N/A**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 13:02**	**150817L12**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 13:37**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	140	24-168	
2,4,5,6-Tetrachloro-m-Xylene	116	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 13:55**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	51	1.00	
Aroclor-1221	ND	51	1.00	
Aroclor-1232	ND	51	1.00	
Aroclor-1242	ND	51	1.00	
Aroclor-1248	ND	51	1.00	
Aroclor-1254	ND	51	1.00	
Aroclor-1260	ND	51	1.00	
Aroclor-1262	ND	51	1.00	
Aroclor-1268	ND	51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	128	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 14:13**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	126	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 14:31**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	124	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 14:49**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	125	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 15:07**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	132	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 15:25**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	135	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 15:43**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	130	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA SCIG / 603127015			Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3375**	**N/A**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 13:19**	**150817L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	121	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 15:48**	**150817L11**

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	2.5	5.00	
Acenaphthylene	ND	2.5	5.00	
Aniline	ND	2.5	5.00	
Anthracene	ND	2.5	5.00	
Azobenzene	ND	2.5	5.00	
Benzidine	ND	50	5.00	
Benzo (a) Anthracene	ND	2.5	5.00	
Benzo (a) Pyrene	ND	2.5	5.00	
Benzo (b) Fluoranthene	ND	2.5	5.00	
Benzo (g,h,i) Perylene	ND	2.5	5.00	
Benzo (k) Fluoranthene	ND	2.5	5.00	
Benzoic Acid	ND	12	5.00	
Benzyl Alcohol	ND	2.5	5.00	
Bis(2-Chloroethoxy) Methane	ND	2.5	5.00	
Bis(2-Chloroethyl) Ether	ND	12	5.00	
Bis(2-Chloroisopropyl) Ether	ND	2.5	5.00	
Bis(2-Ethylhexyl) Phthalate	ND	2.5	5.00	
4-Bromophenyl-Phenyl Ether	ND	2.5	5.00	
Butyl Benzyl Phthalate	ND	2.5	5.00	
4-Chloro-3-Methylphenol	ND	2.5	5.00	
4-Chloroaniline	ND	2.5	5.00	
2-Chloronaphthalene	ND	2.5	5.00	
2-Chlorophenol	ND	2.5	5.00	
4-Chlorophenyl-Phenyl Ether	ND	2.5	5.00	
Chrysene	ND	2.5	5.00	
Di-n-Butyl Phthalate	ND	2.5	5.00	
Di-n-Octyl Phthalate	ND	2.5	5.00	
Dibenz (a,h) Anthracene	ND	2.5	5.00	
Dibenzofuran	ND	2.5	5.00	
1,2-Dichlorobenzene	ND	2.5	5.00	
1,3-Dichlorobenzene	ND	2.5	5.00	
1,4-Dichlorobenzene	ND	2.5	5.00	
3,3'-Dichlorobenzidine	ND	50	5.00	
2,4-Dichlorophenol	ND	2.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Diethyl Phthalate	ND	2.5	5.00	
Dimethyl Phthalate	ND	2.5	5.00	
2,4-Dimethylphenol	ND	2.5	5.00	
4,6-Dinitro-2-Methylphenol	ND	12	5.00	
2,4-Dinitrophenol	ND	12	5.00	
2,4-Dinitrotoluene	ND	2.5	5.00	
2,6-Dinitrotoluene	ND	2.5	5.00	
Fluoranthene	ND	2.5	5.00	
Fluorene	ND	2.5	5.00	
Hexachloro-1,3-Butadiene	ND	2.5	5.00	
Hexachlorobenzene	ND	2.5	5.00	
Hexachlorocyclopentadiene	ND	12	5.00	
Hexachloroethane	ND	2.5	5.00	
Indeno (1,2,3-c,d) Pyrene	ND	2.5	5.00	
Isophorone	ND	2.5	5.00	
2-Methylnaphthalene	ND	2.5	5.00	
1-Methylnaphthalene	ND	2.5	5.00	
2-Methylphenol	ND	2.5	5.00	
3/4-Methylphenol	ND	2.5	5.00	
N-Nitroso-di-n-propylamine	ND	2.5	5.00	
N-Nitrosodimethylamine	ND	2.5	5.00	
N-Nitrosodiphenylamine	ND	2.5	5.00	
Naphthalene	ND	2.5	5.00	
4-Nitroaniline	ND	2.5	5.00	
3-Nitroaniline	ND	2.5	5.00	
2-Nitroaniline	ND	2.5	5.00	
Nitrobenzene	ND	12	5.00	
4-Nitrophenol	ND	2.5	5.00	
2-Nitrophenol	ND	2.5	5.00	
Pentachlorophenol	ND	12	5.00	
Phenanthrene	ND	2.5	5.00	
Phenol	ND	2.5	5.00	
Pyrene	ND	2.5	5.00	
Pyridine	ND	2.5	5.00	
1,2,4-Trichlorobenzene	ND	2.5	5.00	
2,4,6-Trichlorophenol	ND	2.5	5.00	
2,4,5-Trichlorophenol	ND	2.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 3 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	88	27-120	
2-Fluorophenol	81	25-120	
Nitrobenzene-d5	75	33-123	
p-Terphenyl-d14	99	27-159	
Phenol-d6	86	26-122	
2,4,6-Tribromophenol	119	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 15:30**	**150817L11**

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	1.0	2.00	
Acenaphthylene	ND	1.0	2.00	
Aniline	ND	1.0	2.00	
Anthracene	ND	1.0	2.00	
Azobenzene	ND	1.0	2.00	
Benzidine	ND	20	2.00	
Benzo (a) Anthracene	ND	1.0	2.00	
Benzo (a) Pyrene	ND	1.0	2.00	
Benzo (b) Fluoranthene	ND	1.0	2.00	
Benzo (g,h,i) Perylene	ND	1.0	2.00	
Benzo (k) Fluoranthene	ND	1.0	2.00	
Benzoic Acid	ND	5.0	2.00	
Benzyl Alcohol	ND	1.0	2.00	
Bis(2-Chloroethoxy) Methane	ND	1.0	2.00	
Bis(2-Chloroethyl) Ether	ND	5.0	2.00	
Bis(2-Chloroisopropyl) Ether	ND	1.0	2.00	
Bis(2-Ethylhexyl) Phthalate	ND	1.0	2.00	
4-Bromophenyl-Phenyl Ether	ND	1.0	2.00	
Butyl Benzyl Phthalate	ND	1.0	2.00	
4-Chloro-3-Methylphenol	ND	1.0	2.00	
4-Chloroaniline	ND	1.0	2.00	
2-Chloronaphthalene	ND	1.0	2.00	
2-Chlorophenol	ND	1.0	2.00	
4-Chlorophenyl-Phenyl Ether	ND	1.0	2.00	
Chrysene	ND	1.0	2.00	
Di-n-Butyl Phthalate	ND	1.0	2.00	
Di-n-Octyl Phthalate	ND	1.0	2.00	
Dibenz (a,h) Anthracene	ND	1.0	2.00	
Dibenzofuran	ND	1.0	2.00	
1,2-Dichlorobenzene	ND	1.0	2.00	
1,3-Dichlorobenzene	ND	1.0	2.00	
1,4-Dichlorobenzene	ND	1.0	2.00	
3,3'-Dichlorobenzidine	ND	20	2.00	
2,4-Dichlorophenol	ND	1.0	2.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Diethyl Phthalate	ND	1.0	2.00	
Dimethyl Phthalate	ND	1.0	2.00	
2,4-Dimethylphenol	ND	1.0	2.00	
4,6-Dinitro-2-Methylphenol	ND	5.0	2.00	
2,4-Dinitrophenol	ND	5.0	2.00	
2,4-Dinitrotoluene	ND	1.0	2.00	
2,6-Dinitrotoluene	ND	1.0	2.00	
Fluoranthene	ND	1.0	2.00	
Fluorene	ND	1.0	2.00	
Hexachloro-1,3-Butadiene	ND	1.0	2.00	
Hexachlorobenzene	ND	1.0	2.00	
Hexachlorocyclopentadiene	ND	5.0	2.00	
Hexachloroethane	ND	1.0	2.00	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	2.00	
Isophorone	ND	1.0	2.00	
2-Methylnaphthalene	ND	1.0	2.00	
1-Methylnaphthalene	ND	1.0	2.00	
2-Methylphenol	ND	1.0	2.00	
3/4-Methylphenol	ND	1.0	2.00	
N-Nitroso-di-n-propylamine	ND	1.0	2.00	
N-Nitrosodimethylamine	ND	1.0	2.00	
N-Nitrosodiphenylamine	ND	1.0	2.00	
Naphthalene	ND	1.0	2.00	
4-Nitroaniline	ND	1.0	2.00	
3-Nitroaniline	ND	1.0	2.00	
2-Nitroaniline	ND	1.0	2.00	
Nitrobenzene	ND	5.0	2.00	
4-Nitrophenol	ND	1.0	2.00	
2-Nitrophenol	ND	1.0	2.00	
Pentachlorophenol	ND	5.0	2.00	
Phenanthrene	ND	1.0	2.00	
Phenol	ND	1.0	2.00	
Pyrene	ND	1.0	2.00	
Pyridine	ND	1.0	2.00	
1,2,4-Trichlorobenzene	ND	1.0	2.00	
2,4,6-Trichlorophenol	ND	1.0	2.00	
2,4,5-Trichlorophenol	ND	1.0	2.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 6 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	85	27-120	
2-Fluorophenol	76	25-120	
Nitrobenzene-d5	73	33-123	
p-Terphenyl-d14	98	27-159	
Phenol-d6	80	26-122	
2,4,6-Tribromophenol	123	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 14:36**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.51	1.00	
Acenaphthylene	ND	0.51	1.00	
Aniline	ND	0.51	1.00	
Anthracene	ND	0.51	1.00	
Azobenzene	ND	0.51	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.51	1.00	
Benzo (a) Pyrene	ND	0.51	1.00	
Benzo (b) Fluoranthene	ND	0.51	1.00	
Benzo (g,h,i) Perylene	ND	0.51	1.00	
Benzo (k) Fluoranthene	ND	0.51	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.51	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.51	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.51	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.51	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.51	1.00	
Butyl Benzyl Phthalate	ND	0.51	1.00	
4-Chloro-3-Methylphenol	ND	0.51	1.00	
4-Chloroaniline	ND	0.51	1.00	
2-Chloronaphthalene	ND	0.51	1.00	
2-Chlorophenol	ND	0.51	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.51	1.00	
Chrysene	ND	0.51	1.00	
Di-n-Butyl Phthalate	ND	0.51	1.00	
Di-n-Octyl Phthalate	ND	0.51	1.00	
Dibenz (a,h) Anthracene	ND	0.51	1.00	
Dibenzofuran	ND	0.51	1.00	
1,2-Dichlorobenzene	ND	0.51	1.00	
1,3-Dichlorobenzene	ND	0.51	1.00	
1,4-Dichlorobenzene	ND	0.51	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.51	1.00	
Diethyl Phthalate	ND	0.51	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.51	1.00	
2,4-Dimethylphenol	ND	0.51	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.51	1.00	
2,6-Dinitrotoluene	ND	0.51	1.00	
Fluoranthene	ND	0.51	1.00	
Fluorene	ND	0.51	1.00	
Hexachloro-1,3-Butadiene	ND	0.51	1.00	
Hexachlorobenzene	ND	0.51	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.51	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.51	1.00	
Isophorone	ND	0.51	1.00	
2-Methylnaphthalene	ND	0.51	1.00	
1-Methylnaphthalene	ND	0.51	1.00	
2-Methylphenol	ND	0.51	1.00	
3/4-Methylphenol	ND	0.51	1.00	
N-Nitroso-di-n-propylamine	ND	0.51	1.00	
N-Nitrosodimethylamine	ND	0.51	1.00	
N-Nitrosodiphenylamine	ND	0.51	1.00	
Naphthalene	ND	0.51	1.00	
4-Nitroaniline	ND	0.51	1.00	
3-Nitroaniline	ND	0.51	1.00	
2-Nitroaniline	ND	0.51	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.51	1.00	
2-Nitrophenol	ND	0.51	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.51	1.00	
Phenol	ND	0.51	1.00	
Pyrene	ND	0.51	1.00	
Pyridine	ND	0.51	1.00	
1,2,4-Trichlorobenzene	ND	0.51	1.00	
2,4,6-Trichlorophenol	ND	0.51	1.00	
2,4,5-Trichlorophenol	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	79	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 9 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	80	25-120	
Nitrobenzene-d5	73	33-123	
p-Terphenyl-d14	86	27-159	
Phenol-d6	84	26-122	
2,4,6-Tribromophenol	113	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 14:18**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 11 of 27

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	77	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 12 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	65	25-120	
Nitrobenzene-d5	42	33-123	
p-Terphenyl-d14	89	27-159	
Phenol-d6	73	26-122	
2,4,6-Tribromophenol	76	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 14:00**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	63	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 15 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	72	25-120	
Nitrobenzene-d5	62	33-123	
p-Terphenyl-d14	76	27-159	
Phenol-d6	80	26-122	
2,4,6-Tribromophenol	83	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 13:42**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	73	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 18 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	69	25-120	
Nitrobenzene-d5	67	33-123	
p-Terphenyl-d14	89	27-159	
Phenol-d6	72	26-122	
2,4,6-Tribromophenol	101	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 16:06**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	76	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 21 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	72	25-120	
Nitrobenzene-d5	71	33-123	
p-Terphenyl-d14	96	27-159	
Phenol-d6	78	26-122	
2,4,6-Tribromophenol	105	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 16:24**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	74	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 24 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	74	25-120	
Nitrobenzene-d5	69	33-123	
p-Terphenyl-d14	87	27-159	
Phenol-d6	78	26-122	
2,4,6-Tribromophenol	93	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-3370**	**N/A**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 12:48**	**150817L11**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	86	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 27 of 27

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	84	25-120	
Nitrobenzene-d5	81	33-123	
p-Terphenyl-d14	95	27-159	
Phenol-d6	87	26-122	
2,4,6-Tribromophenol	104	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-1	**15-08-1175-6-A**	**08/17/15 11:17**	**Solid**	**GC/MS OO**	**08/17/15**	**08/18/15 14:55**	**150818L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 2 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.8	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	114	63-141	
1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2-SS1-2	**15-08-1175-7-A**	**08/17/15 11:18**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 18:22**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-1	**15-08-1175-13-A**	**08/17/15 14:10**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 18:53**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 6 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-8-SS1-2	**15-08-1175-14-A**	**08/17/15 14:11**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 19:24**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 8 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-1	**15-08-1175-24-A**	**08/17/15 12:35**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 19:56**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-9-SS1-2	**15-08-1175-25-A**	**08/17/15 12:35**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 20:27**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-1	**15-08-1175-36-A**	**08/17/15 13:28**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 20:58**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-10-SS1-2	**15-08-1175-37-A**	**08/17/15 13:28**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 21:28**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/17/15
17781 Cowan, Suite 140	Work Order:	15-08-1175
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 16 of 20

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-10044**	**N/A**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 13:37**	**150817L011**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-10050**	**N/A**	**Solid**	**GC/MS OO**	**08/18/15**	**08/18/15 13:29**	**150818L009**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	112	63-141	
1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: N/A
Method: EPA 300.0

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-2-SS1-1	**Sample**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 14:44**	**150818S01P**
REM-2-SS1-1	**Matrix Spike**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 16:55**	**150818S01P**
REM-2-SS1-1	**Matrix Spike Duplicate**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 17:11**	**150818S01P**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	164.7	500.0	699.7	107	674.2	102	80-120	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3550B
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-2-S-S1-2'	**Sample**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 06:12**	**150817S07**
REM-2-S-S1-2'	**Matrix Spike**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 04:39**	**150817S07**
REM-2-S-S1-2'	**Matrix Spike Duplicate**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 04:57**	**150817S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	453.5	113	423.8	106	64-130	7	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-06-1798-1	**Sample**	**Solid**	**ICP 7300**	**08/17/15**	**08/17/15 15:56**	**150817S01**
15-06-1798-1	**Matrix Spike**	**Solid**	**ICP 7300**	**08/17/15**	**08/17/15 15:57**	**150817S01**
15-06-1798-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/17/15**	**08/17/15 15:59**	**150817S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	5.660	25.00	24.12	74	32.49	107	75-125	30	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-2-SS1-1	**Sample**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:22**	**150817S04**
REM-2-SS1-1	**Matrix Spike**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:23**	**150817S04**
REM-2-SS1-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:25**	**150817S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	8.177	33	10.59	42	50-115	26	0-20	3,4
Arsenic	12.75	25.00	40.11	109	39.50	107	75-125	2	0-20	
Barium	125.3	25.00	168.8	4X	121.8	4X	75-125	4X	0-20	Q
Beryllium	0.2654	25.00	27.84	110	27.40	109	75-125	2	0-20	
Cadmium	1.250	25.00	28.10	107	27.51	105	75-125	2	0-20	
Chromium	21.69	25.00	51.52	119	43.55	87	75-125	17	0-20	
Cobalt	10.80	25.00	39.61	115	36.10	101	75-125	9	0-20	
Copper	27.14	25.00	58.76	126	49.58	90	75-125	17	0-20	3
Lead	21.21	25.00	49.73	114	45.52	97	75-125	9	0-20	
Molybdenum	ND	25.00	26.62	106	26.60	106	75-125	0	0-20	
Nickel	17.43	25.00	46.47	116	41.03	94	75-125	12	0-20	
Selenium	ND	25.00	21.91	88	23.43	94	75-125	7	0-20	
Silver	ND	12.50	8.305	66	9.808	78	75-125	17	0-20	3
Thallium	ND	25.00	26.60	106	17.09	68	75-125	44	0-20	3,4
Vanadium	33.44	25.00	65.03	126	53.43	80	75-125	20	0-20	3
Zinc	88.68	25.00	121.5	131	95.07	26	75-125	24	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.		Date Received:	08/17/15
17781 Cowan, Suite 140		Work Order:	15-08-1175
Irvine, CA 92614-6009		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: POLA SCIG / 603127015			Page 5 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1018-15	**Sample**	**Solid**	**Mercury 05**	**08/14/15**	**08/14/15 17:57**	**150814S01**
15-08-1018-15	**Matrix Spike**	**Solid**	**Mercury 05**	**08/14/15**	**08/14/15 17:59**	**150814S01**
15-08-1018-15	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**08/14/15**	**08/14/15 18:01**	**150814S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.9285	111	0.9239	111	71-137	1	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-8-SS1-1	**Sample**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 15:00**	**150817S12**
REM-8-SS1-1	**Matrix Spike**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 17:51**	**150817S12**
REM-8-SS1-1	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 18:06**	**150817S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	20.49	82	19.40	78	50-135	5	0-25	
Alpha-BHC	ND	25.00	20.49	82	19.63	79	50-135	4	0-25	
Beta-BHC	ND	25.00	19.55	78	19.08	76	50-135	2	0-25	
4,4'-DDD	ND	25.00	26.51	106	25.48	102	50-135	4	0-25	
4,4'-DDE	52.23	25.00	89.56	149	85.92	135	50-135	4	0-25	3
4,4'-DDT	9.304	25.00	37.85	114	36.17	107	50-135	5	0-25	
Delta-BHC	ND	25.00	22.30	89	21.45	86	50-135	4	0-25	
Dieldrin	ND	25.00	21.80	87	21.17	85	50-135	3	0-25	
Endosulfan I	ND	25.00	20.09	80	19.08	76	50-135	5	0-25	
Endosulfan II	ND	25.00	21.99	88	21.44	86	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	22.76	91	22.07	88	50-135	3	0-25	
Endrin	ND	25.00	23.69	95	22.82	91	50-135	4	0-25	
Endrin Aldehyde	ND	25.00	21.93	88	20.85	83	50-135	5	0-25	
Gamma-BHC	ND	25.00	21.56	86	20.84	83	50-135	3	0-25	
Heptachlor	ND	25.00	21.88	88	20.83	83	50-135	5	0-25	
Heptachlor Epoxide	ND	25.00	21.43	86	20.59	82	50-135	4	0-25	
Methoxychlor	ND	25.00	25.27	101	23.86	95	50-135	6	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-8-SS1-1	**Sample**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 14:13**	**150817S13**
REM-8-SS1-1	**Matrix Spike**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 16:01**	**150817S13**
REM-8-SS1-1	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 16:19**	**150817S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	98.58	99	100.7	101	50-135	2	0-20	
Aroclor-1260	ND	100.0	110.7	111	112.8	113	50-135	2	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 3545
Method: EPA 8270C

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-8-SS1-1	**Sample**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 14:36**	**150817S11**
REM-8-SS1-1	**Matrix Spike**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 14:54**	**150817S11**
REM-8-SS1-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 15:12**	**150817S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	8.723	87	9.049	90	34-148	4	0-20	
Acenaphthylene	ND	10.00	8.588	86	8.915	89	53-120	4	0-20	
Butyl Benzyl Phthalate	ND	10.00	9.483	95	9.880	99	15-189	4	0-20	
4-Chloro-3-Methylphenol	ND	10.00	9.221	92	9.522	95	32-120	3	0-20	
2-Chlorophenol	ND	10.00	8.263	83	8.731	87	53-120	6	0-20	
1,4-Dichlorobenzene	ND	10.00	6.681	67	6.877	69	43-120	3	0-26	
Dimethyl Phthalate	ND	10.00	9.222	92	9.513	95	44-122	3	0-20	
2,4-Dinitrotoluene	ND	10.00	9.671	97	9.956	100	28-120	3	0-20	
Fluorene	ND	10.00	9.371	94	9.718	97	12-186	4	0-20	
N-Nitroso-di-n-propylamine	ND	10.00	7.608	76	7.984	80	38-140	5	0-20	
Naphthalene	ND	10.00	7.887	79	8.065	81	20-140	2	0-20	
4-Nitrophenol	ND	10.00	8.431	84	8.495	85	14-128	1	0-59	
Pentachlorophenol	ND	10.00	6.746	67	6.951	70	10-124	3	0-20	
Phenol	ND	10.00	8.000	80	8.504	85	22-124	6	0-20	
Pyrene	ND	10.00	9.677	97	10.12	101	31-169	4	0-20	
1,2,4-Trichlorobenzene	ND	10.00	8.378	84	8.502	85	56-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B

Project: POLA SCIG / 603127015

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1086-2	**Sample**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 14:08**	**150817S004**
15-08-1086-2	**Matrix Spike**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 15:12**	**150817S004**
15-08-1086-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 15:43**	**150817S004**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	44.51	89	45.35	91	61-127	2	0-20	
Carbon Tetrachloride	ND	50.00	46.93	94	47.29	95	51-135	1	0-29	
Chlorobenzene	ND	50.00	44.75	89	45.41	91	57-123	1	0-20	
1,2-Dibromoethane	ND	50.00	46.98	94	48.19	96	64-124	3	0-20	
1,2-Dichlorobenzene	ND	50.00	44.47	89	44.37	89	35-131	0	0-25	
1,2-Dichloroethane	ND	50.00	46.02	92	47.31	95	80-120	3	0-20	
1,1-Dichloroethene	ND	50.00	42.44	85	42.88	86	47-143	1	0-25	
Ethylbenzene	ND	50.00	44.52	89	44.72	89	57-129	0	0-22	
Toluene	ND	50.00	45.27	91	45.78	92	63-123	1	0-20	
Trichloroethene	ND	50.00	46.73	93	48.24	96	44-158	3	0-20	
Vinyl Chloride	ND	50.00	37.41	75	37.83	76	49-139	1	0-47	
p/m-Xylene	ND	100.0	87.32	87	87.15	87	70-130	0	0-30	
o-Xylene	ND	50.00	44.18	88	44.02	88	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	42.78	86	44.81	90	57-123	5	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B

Project: POLA SCIG / 603127015

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1218-3	**Sample**	**Solid**	**GC/MS OO**	**08/18/15**	**08/18/15 14:26**	**150818S003**
15-08-1218-3	**Matrix Spike**	**Solid**	**GC/MS OO**	**08/18/15**	**08/18/15 15:23**	**150818S003**
15-08-1218-3	**Matrix Spike Duplicate**	**Solid**	**GC/MS OO**	**08/18/15**	**08/18/15 15:52**	**150818S003**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.66	97	46.40	93	61-127	5	0-20	
Carbon Tetrachloride	ND	50.00	52.43	105	50.29	101	51-135	4	0-29	
Chlorobenzene	ND	50.00	44.50	89	42.10	84	57-123	6	0-20	
1,2-Dibromoethane	ND	50.00	48.64	97	45.15	90	64-124	7	0-20	
1,2-Dichlorobenzene	ND	50.00	44.71	89	41.97	84	35-131	6	0-25	
1,2-Dichloroethane	ND	50.00	48.29	97	45.13	90	80-120	7	0-20	
1,1-Dichloroethene	ND	50.00	41.03	82	38.96	78	47-143	5	0-25	
Ethylbenzene	ND	50.00	45.01	90	42.94	86	57-129	5	0-22	
Toluene	ND	50.00	45.62	91	42.95	86	63-123	6	0-20	
Trichloroethene	ND	50.00	48.96	98	46.09	92	44-158	6	0-20	
Vinyl Chloride	ND	50.00	41.67	83	39.21	78	49-139	6	0-47	
p/m-Xylene	ND	100.0	87.34	87	83.45	83	70-130	5	0-30	
o-Xylene	ND	50.00	43.48	87	41.46	83	70-130	5	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.38	93	42.61	85	57-123	8	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: N/A
	Method: EPA 376.2M
Project: POLA SCIG / 603127015	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
REM-10-SS1-2	**Sample**	**Solid**	**N/A**	**08/18/15 00:00**	**08/18/15 12:05**	**F0818SD1**
REM-10-SS1-2	**Sample Duplicate**	**Solid**	**N/A**	**08/18/15 00:00**	**08/18/15 12:05**	**F0818SD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Sulfide, Total	0.5000	0.5000	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: N/A
	Method: EPA 300.0
Project: POLA SCIG / 603127015	Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-922-631	**LCS**	**Solid**	**IC 7**	**08/18/15**	**08/18/15 14:27**	**150818L01P**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	500.0	497.5	100	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: N/A
Method: EPA 376.2M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-001-5497	**LCS**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**
099-05-001-5497	**LCSD**	**Solid**	**N/A**	**08/18/15**	**08/18/15 12:05**	**F0818SL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfide, Total	5.000	4.500	90	4.250	85	80-120	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1715	**LCS**	**Solid**	**GC 45**	**08/17/15**	**08/18/15 04:20**	**150817B07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	422.1	106	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21607	**LCS**	**Solid**	**ICP 7300**	**08/17/15**	**08/17/15 15:54**	**150817L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Arsenic	25.00	24.91	100	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21614	**LCS**	**Solid**	**ICP 7300**	**08/17/15**	**08/18/15 12:11**	**150817L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	24.12	96	80-120	73-127	
Arsenic	25.00	23.33	93	80-120	73-127	
Barium	25.00	25.55	102	80-120	73-127	
Beryllium	25.00	22.92	92	80-120	73-127	
Cadmium	25.00	24.45	98	80-120	73-127	
Chromium	25.00	24.98	100	80-120	73-127	
Cobalt	25.00	25.81	103	80-120	73-127	
Copper	25.00	24.99	100	80-120	73-127	
Lead	25.00	24.53	98	80-120	73-127	
Molybdenum	25.00	23.81	95	80-120	73-127	
Nickel	25.00	25.14	101	80-120	73-127	
Selenium	25.00	22.91	92	80-120	73-127	
Silver	12.50	12.27	98	80-120	73-127	
Thallium	25.00	24.75	99	80-120	73-127	
Vanadium	25.00	24.11	96	80-120	73-127	
Zinc	25.00	24.40	98	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: POLA SCIG / 603127015	Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-1534	**LCS**	**Solid**	**Mercury 05**	**08/14/15**	**08/14/15 17:54**	**150814L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.9403	113	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2214	**LCS**	**Solid**	**GC 44**	**08/17/15**	**08/18/15 19:06**	**150817L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	13.89	56	50-135	36-149	
Alpha-BHC	25.00	14.40	58	50-135	36-149	
Beta-BHC	25.00	14.99	60	50-135	36-149	
4,4'-DDD	25.00	16.75	67	50-135	36-149	
4,4'-DDE	25.00	17.56	70	50-135	36-149	
4,4'-DDT	25.00	17.97	72	50-135	36-149	
Delta-BHC	25.00	15.98	64	50-135	36-149	
Dieldrin	25.00	15.54	62	50-135	36-149	
Endosulfan I	25.00	13.50	54	50-135	36-149	
Endosulfan II	25.00	16.43	66	50-135	36-149	
Endosulfan Sulfate	25.00	18.34	73	50-135	36-149	
Endrin	25.00	15.97	64	50-135	36-149	
Endrin Aldehyde	25.00	15.76	63	50-135	36-149	
Gamma-BHC	25.00	15.33	61	50-135	36-149	
Heptachlor	25.00	15.75	63	50-135	36-149	
Heptachlor Epoxide	25.00	15.36	61	50-135	36-149	
Methoxychlor	25.00	18.91	76	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8082
Project: POLA SCIG / 603127015	Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3375	**LCS**	**Solid**	**GC 58**	**08/17/15**	**08/18/15 16:37**	**150817L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	91.06	91	50-135	
Aroclor-1260	100.0	105.4	105	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8270C
Project: POLA SCIG / 603127015	Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-549-3370	**LCS**	**Solid**	**GC/MS CCC**	**08/17/15**	**08/18/15 12:30**	**150817L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	9.223	92	51-123	39-135	
Acenaphthylene	10.00	9.007	90	52-120	41-131	
Butyl Benzyl Phthalate	10.00	9.377	94	43-139	27-155	
4-Chloro-3-Methylphenol	10.00	9.331	93	55-121	44-132	
2-Chlorophenol	10.00	9.289	93	58-124	47-135	
1,4-Dichlorobenzene	10.00	8.628	86	42-132	27-147	
Dimethyl Phthalate	10.00	9.495	95	51-123	39-135	
2,4-Dinitrotoluene	10.00	10.06	101	51-129	38-142	
Fluorene	10.00	9.586	96	54-126	42-138	
N-Nitroso-di-n-propylamine	10.00	8.530	85	40-136	24-152	
Naphthalene	10.00	9.097	91	32-146	13-165	
4-Nitrophenol	10.00	8.489	85	24-126	7-143	
Pentachlorophenol	10.00	7.920	79	23-131	5-149	
Phenol	10.00	8.656	87	40-130	25-145	
Pyrene	10.00	9.407	94	47-143	31-159	
1,2,4-Trichlorobenzene	10.00	9.704	97	45-129	31-143	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/17/15
17781 Cowan, Suite 140	Work Order: 15-08-1175
Irvine, CA 92614-6009	Preparation: EPA 5030C
	Method: EPA 8260B
Project: POLA SCIG / 603127015	Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-10044	**LCS**	**Solid**	**GC/MS Z**	**08/17/15**	**08/17/15 12:34**	**150817L011**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	46.85	94	78-120	71-127	
Carbon Tetrachloride	50.00	49.55	99	49-139	34-154	
Chlorobenzene	50.00	48.74	97	79-120	72-127	
1,2-Dibromoethane	50.00	50.86	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.03	102	75-120	68-128	
1,2-Dichloroethane	50.00	48.77	98	80-120	73-127	
1,1-Dichloroethene	50.00	45.37	91	74-122	66-130	
Ethylbenzene	50.00	47.38	95	76-120	69-127	
Toluene	50.00	47.88	96	77-120	70-127	
Trichloroethene	50.00	49.19	98	80-120	73-127	
Vinyl Chloride	50.00	38.66	77	68-122	59-131	
p/m-Xylene	100.0	92.31	92	75-125	67-133	
o-Xylene	50.00	47.30	95	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	44.53	89	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/17/15
Work Order: 15-08-1175
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-10050	**LCS**	**Solid**	**GC/MS OO**	**08/18/15**	**08/18/15 12:27**	**150818L009**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	56.31	113	78-120	71-127	
Carbon Tetrachloride	50.00	65.24	130	49-139	34-154	
Chlorobenzene	50.00	51.35	103	79-120	72-127	
1,2-Dibromoethane	50.00	54.24	108	80-120	73-127	
1,2-Dichlorobenzene	50.00	52.44	105	75-120	68-128	
1,2-Dichloroethane	50.00	53.24	106	80-120	73-127	
1,1-Dichloroethene	50.00	48.03	96	74-122	66-130	
Ethylbenzene	50.00	53.14	106	76-120	69-127	
Toluene	50.00	51.89	104	77-120	70-127	
Trichloroethene	50.00	52.86	106	80-120	73-127	
Vinyl Chloride	50.00	46.52	93	68-122	59-131	
p/m-Xylene	100.0	104.0	104	75-125	67-133	
o-Xylene	50.00	50.92	102	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	49.17	98	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1175 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	834	IC 7	1
EPA 376.2M	N/A	880	N/A	1
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3550B	682	GC 45	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8082	EPA 3545	944	GC 58	1
EPA 8260B	EPA 5030C	986	GC/MS Z	2
EPA 8260B	EPA 5030C	986	GC/MS OO	2
EPA 8270C	EPA 3545	923	GC/MS CCC	1

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1175**

DATE: 8/17/15

PAGE: 1 OF 4

LABORATORY CLIENT: Leighton Consulting Inc
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 / C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Arsenic	Sulfide + Sulfate		
1	REM-2-S-N1-2'	8/17/15	1100	SOIL	1						X												X			
2	REM-2-S-E1-2'	"	1102	"	"						X												X			
3	REM-2-S-W1-2'	"	1104	"	"						X												X			
4	REM-2-S-S1-2'	"	1106	"	"						X												X			
5	REM-2-S-F-3'	"	1059	"	"						X												X			
6	REM-2-SS1-1	"	1117	"	"						X			X			X	X	X		X			X		
7	REM-2-SS1-2	"	1118	"	"						X			X			X	X	X		X			X		
8	REM-8-S-N1-2'	8/17/15	1402	SOIL	1													X								
9	REM-8-S-E1-2'	"	1403	"	"													X								
10	REM-8-S-W1-2'	"	1404	"	"													X							(Pb)	8/17/15

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	Dannyle GLS	8/17/15	~~15:44~~
			15:45

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1175

DATE: 8/17/15

PAGE: 2 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 6031270015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 / C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals (6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	ARSENIC	SULFIDE + SULFATE		
11	REM-8-S-S1-2'	8/17/15	1405	Soil	1													X								
12	REM-8-S-F-3'	"	1406	"	"													X								
13	REM-8-SS1-1	"	1410	"	"						X			X			X	X	X		X			X		
14	REM-8-SS1-2	"	1411	"	"						X			X			X	X	X		X			X		
15	REM-9-D-N1-2'	8/17/15	1217	Soil	1																		X			
16	REM-9-D-N2-4'	"	1224	"	"																		X			
17	REM-9-D-E1-2'	"	1221	"	"																		X			
18	REM-9-D-E2-4'	"	1230	"	"																		X			
19	REM-9-D-W1-2'	"	1219	"	"																		X			
20	REM-9-D-W2-4'	"	1231	"	"																		X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	Dannyle ZZZ	8/17/15	1545
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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2014-07-01 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1175

DATE: 8/17/15

PAGE: 3 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: ~~9175~~ 92614
TEL: (949) 681-4211 E-MAIL: MWithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark ~~A~~ Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) GRO	TPH(d) DRO	TPH C6-C36 C6-C44	TPH	BTEX / MTBE 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) En Core Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 8270 SIM	T22 Metals 6010/747X 6020/747X	Cr(VI) 7196 7199 218.6	ARSENIC	Sulfide & Sulfate		
21	REM-9-D-S1-2'	8/17/15	1220	soil	1																		X			
22	REM-9-D-S2-4'		1231																				X			
23	REM-9-D-F-5'		1232																				X			
24	REM-9-SS1-1		1235								X			X			X	X	X		X			X		
25	REM-9-SS1-2		1235								X			X			X	X	X		X			X		
26	REM-10-D-N1-2'		1312																				X			
27	REM-10-D-N2-4'		1321																				X			
28	REM-10-D-E1-2'		1314																				X			
29	REM-10-D-E1-2'D		1314																				X			
30	REM-10-D-E2-4'	↓	1320	↓	↓																		X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	Danny G ECL	8/17/15	1545
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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2014-07-01 Revision

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1175

DATE: 8/17/15
PAGE: 4 OF 4

LABORATORY CLIENT: LEIGHTON Consulting
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 250 1421 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: MARK Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLH / TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	ARSENIC	Sulfide + Sulfate		
31	REM-10-D-IN1-2'	8/17/15	1311	SOIL	1																		X			
32	REM-10-D-W2-4'		1318																				X			
33	REM-10-D-S1-2'		1313																				X			
34	REM-10-D-S2-4'		1319																				X			
35	REM-10-D-F-5'		1324																				X			
36	REM-10-SS1-1		1328								X			X			X	X	X		X			X		
37	REM-10-SS1-2		1328								X			X			X	X	X		X			X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	Dannyle LLG	8/17/15	15:45
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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WORK ORDER NUMBER: 15-08- 1175

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting Inc.

DATE: 08 / 17 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5.3 °C (w/ CF): 5.1 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter

Checked by: 617

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 617

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1017

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1017

Reviewed by: 617

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WORK ORDER NUMBER: 15-08-1351

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/20/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

nelac

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1351

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/19/15. They were assigned to Work Order 15-08-1351.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: N/A
Method: EPA 300.0
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 22:01**	**150819L02P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	100	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 22:18**	**150819L02P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	100	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 22:35**	**150819L02P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	27	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 22:52**	**150819L02P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	24	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-922-635**	**N/A**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 21:27**	**150819L02P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	ND	10	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: N/A
Method: EPA 376.2M
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.0	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.2	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-001-5499**	**N/A**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	ND	0.50	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-S-N1-2'	**15-08-1351-1-A**	**08/19/15 10:00**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 02:47**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	9.8	2.00	
C7	ND	9.8	2.00	
C8	ND	9.8	2.00	
C9-C10	ND	9.8	2.00	
C11-C12	ND	9.8	2.00	
C13-C14	ND	9.8	2.00	
C15-C16	ND	9.8	2.00	
C17-C18	ND	9.8	2.00	
C19-C20	ND	9.8	2.00	
C21-C22	14	9.8	2.00	
C23-C24	23	9.8	2.00	
C25-C28	32	9.8	2.00	
C29-C32	67	9.8	2.00	
C33-C36	56	9.8	2.00	
C37-C40	100	9.8	2.00	
C41-C44	83	9.8	2.00	
C6-C44 Total	390	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-S-E1-2'	**15-08-1351-2-A**	**08/19/15 10:03**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 02:30**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	10	2.00	
C7	ND	10	2.00	
C8	ND	10	2.00	
C9-C10	ND	10	2.00	
C11-C12	ND	10	2.00	
C13-C14	ND	10	2.00	
C15-C16	ND	10	2.00	
C17-C18	ND	10	2.00	
C19-C20	12	10	2.00	
C21-C22	14	10	2.00	
C23-C24	23	10	2.00	
C25-C28	38	10	2.00	
C29-C32	89	10	2.00	
C33-C36	83	10	2.00	
C37-C40	110	10	2.00	
C41-C44	95	10	2.00	
C6-C44 Total	470	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-S-W1-2'	**15-08-1351-3-A**	**08/19/15 10:06**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 02:12**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	15	5.0	1.00	
C23-C24	12	5.0	1.00	
C25-C28	15	5.0	1.00	
C29-C32	26	5.0	1.00	
C33-C36	19	5.0	1.00	
C37-C40	30	5.0	1.00	
C41-C44	24	5.0	1.00	
C6-C44 Total	140	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-S-S1-2'	**15-08-1351-4-A**	**08/19/15 10:02**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 01:55**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	ND	25	5.00	
C25-C28	27	25	5.00	
C29-C32	60	25	5.00	
C33-C36	56	25	5.00	
C37-C40	120	25	5.00	
C41-C44	63	25	5.00	
C6-C44 Total	360	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-S-F-3'	**15-08-1351-5-A**	**08/19/15 10:05**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 01:37**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	ND	25	5.00	
C25-C28	39	25	5.00	
C29-C32	100	25	5.00	
C33-C36	95	25	5.00	
C37-C40	140	25	5.00	
C41-C44	ND	25	5.00	
C6-C44 Total	460	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 01:20**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	44	25	5.00	
C23-C24	35	25	5.00	
C25-C28	72	25	5.00	
C29-C32	140	25	5.00	
C33-C36	140	25	5.00	
C37-C40	160	25	5.00	
C41-C44	83	25	5.00	
C6-C44 Total	700	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 01:03**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	30	25	5.00	
C25-C28	54	25	5.00	
C29-C32	130	25	5.00	
C33-C36	120	25	5.00	
C37-C40	110	25	5.00	
C41-C44	46	25	5.00	
C6-C44 Total	540	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-1S-N1-2'	**15-08-1351-8-A**	**08/19/15 08:22**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 00:45**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	5.7	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	19	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-1S-E1-2'	**15-08-1351-9-A**	**08/19/15 08:21**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 00:28**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-1S-W1-2'	**15-08-1351-10-A**	**08/19/15 08:23**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 00:11**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-1S-S1-2'	**15-08-1351-11-A**	**08/19/15 08:24**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 03:39**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-1S-F-3'	**15-08-1351-12-A**	**08/19/15 08:25**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 03:57**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-N1-1'	**15-08-1351-13-A**	**08/19/15 12:15**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 04:14**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	9.8	2.00	
C7	ND	9.8	2.00	
C8	ND	9.8	2.00	
C9-C10	ND	9.8	2.00	
C11-C12	ND	9.8	2.00	
C13-C14	38	9.8	2.00	
C15-C16	53	9.8	2.00	
C17-C18	74	9.8	2.00	
C19-C20	110	9.8	2.00	
C21-C22	170	9.8	2.00	
C23-C24	210	9.8	2.00	
C25-C28	280	9.8	2.00	
C29-C32	360	9.8	2.00	
C33-C36	200	9.8	2.00	
C37-C40	130	9.8	2.00	
C41-C44	64	9.8	2.00	
C6-C44 Total	1700	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	121	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N1-2'	**15-08-1351-18-A**	**08/19/15 14:35**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 04:31**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 04:49**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	26	5.00	
C7	ND	26	5.00	
C8	ND	26	5.00	
C9-C10	420	26	5.00	
C11-C12	420	26	5.00	
C13-C14	1100	26	5.00	
C15-C16	510	26	5.00	
C17-C18	200	26	5.00	
C19-C20	400	26	5.00	
C21-C22	290	26	5.00	
C23-C24	240	26	5.00	
C25-C28	360	26	5.00	
C29-C32	470	26	5.00	
C33-C36	310	26	5.00	
C37-C40	220	26	5.00	
C41-C44	150	26	5.00	
C6-C44 Total	5000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	117	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 05:06**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	5.1	4.9	1.00	
C17-C18	11	4.9	1.00	
C19-C20	18	4.9	1.00	
C21-C22	16	4.9	1.00	
C23-C24	18	4.9	1.00	
C25-C28	26	4.9	1.00	
C29-C32	41	4.9	1.00	
C33-C36	31	4.9	1.00	
C37-C40	33	4.9	1.00	
C41-C44	29	4.9	1.00	
C6-C44 Total	230	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	106	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E2-1.5'	**15-08-1351-21-A**	**08/19/15 15:10**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 05:23**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	72	25	5.00	
C15-C16	110	25	5.00	
C17-C18	130	25	5.00	
C19-C20	110	25	5.00	
C21-C22	100	25	5.00	
C23-C24	79	25	5.00	
C25-C28	110	25	5.00	
C29-C32	130	25	5.00	
C33-C36	81	25	5.00	
C37-C40	80	25	5.00	
C41-C44	ND	25	5.00	
C6-C44 Total	1000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	104	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W1-2'	**15-08-1351-22-A**	**08/19/15 14:27**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 05:41**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W2-2'	**15-08-1351-23-A**	**08/19/15 14:28**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 05:58**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'	**15-08-1351-24-A**	**08/19/15 14:24**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 06:16**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'D	**15-08-1351-25-A**	**08/19/15 14:24**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 05:57**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S2-2'	**15-08-1351-26-A**	**08/19/15 14:26**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 06:14**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	69	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F1-3'	**15-08-1351-27-A**	**08/19/15 15:05**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 06:32**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F2-3'	**15-08-1351-28-A**	**08/19/15 15:06**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 06:49**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	10	5.0	1.00	
C15-C16	23	5.0	1.00	
C17-C18	31	5.0	1.00	
C19-C20	32	5.0	1.00	
C21-C22	31	5.0	1.00	
C23-C24	44	5.0	1.00	
C25-C28	57	5.0	1.00	
C29-C32	65	5.0	1.00	
C33-C36	32	5.0	1.00	
C37-C40	23	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	350	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	79	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F3-3'	**15-08-1351-29-A**	**08/19/15 15:04**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 07:07**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-N1-1.5	**15-08-1351-30-A**	**08/19/15 09:18**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 07:24**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	14	4.9	1.00	
C19-C20	14	4.9	1.00	
C21-C22	25	4.9	1.00	
C23-C24	25	4.9	1.00	
C25-C28	24	4.9	1.00	
C29-C32	72	4.9	1.00	
C33-C36	39	4.9	1.00	
C37-C40	24	4.9	1.00	
C41-C44	8.0	4.9	1.00	
C6-C44 Total	250	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	75	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-E1-1.5	**15-08-1351-31-A**	**08/19/15 09:17**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 07:41**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	130	25	5.00	
C21-C22	100	25	5.00	
C23-C24	120	25	5.00	
C25-C28	140	25	5.00	
C29-C32	360	25	5.00	
C33-C36	290	25	5.00	
C37-C40	150	25	5.00	
C41-C44	98	25	5.00	
C6-C44 Total	1400	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	80	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-W1-1.5	**15-08-1351-32-A**	**08/19/15 09:19**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 07:59**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	ND	50	10.0	
C13-C14	57	50	10.0	
C15-C16	160	50	10.0	
C17-C18	220	50	10.0	
C19-C20	350	50	10.0	
C21-C22	370	50	10.0	
C23-C24	270	50	10.0	
C25-C28	630	50	10.0	
C29-C32	880	50	10.0	
C33-C36	740	50	10.0	
C37-C40	260	50	10.0	
C41-C44	150	50	10.0	
C6-C44 Total	4100	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-S1-1.5	**15-08-1351-33-A**	**08/19/15 09:16**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 08:17**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	43	25	5.00	
C15-C16	120	25	5.00	
C17-C18	180	25	5.00	
C19-C20	260	25	5.00	
C21-C22	210	25	5.00	
C23-C24	270	25	5.00	
C25-C28	280	25	5.00	
C29-C32	490	25	5.00	
C33-C36	350	25	5.00	
C37-C40	190	25	5.00	
C41-C44	150	25	5.00	
C6-C44 Total	2500	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-F-3	**15-08-1351-34-A**	**08/19/15 09:20**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 08:34**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	6.9	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	15	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-F-3D	**15-08-1351-35-A**	**08/19/15 09:20**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 09:27**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 09:45**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	6.1	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	17	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 10:03**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	100	20.0	
C7	ND	100	20.0	
C8	ND	100	20.0	
C9-C10	ND	100	20.0	
C11-C12	ND	100	20.0	
C13-C14	400	100	20.0	
C15-C16	530	100	20.0	
C17-C18	800	100	20.0	
C19-C20	1300	100	20.0	
C21-C22	820	100	20.0	
C23-C24	860	100	20.0	
C25-C28	1500	100	20.0	
C29-C32	2300	100	20.0	
C33-C36	1500	100	20.0	
C37-C40	980	100	20.0	
C41-C44	370	100	20.0	
C6-C44 Total	11000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1719**	**N/A**	**Solid**	**GC 47**	**08/19/15**	**08/19/15 23:02**	**150819B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1720**	**N/A**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 04:46**	**150819B10**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**ICP 7300**	**08/19/15**	**08/20/15 12:28**	**150819L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.773	1.03	
Arsenic	3.79	0.773	1.03	
Barium	151	0.515	1.03	
Beryllium	0.304	0.258	1.03	
Cadmium	2.24	0.515	1.03	
Chromium	21.5	0.258	1.03	
Cobalt	11.3	0.258	1.03	
Copper	41.0	0.515	1.03	
Lead	52.8	0.515	1.03	
Molybdenum	ND	0.258	1.03	
Nickel	19.7	0.258	1.03	
Selenium	ND	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	38.9	0.258	1.03	
Zinc	314	1.03	1.03	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**ICP 7300**	**08/19/15**	**08/20/15 12:31**	**150819L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.754	1.01	
Arsenic	3.00	0.754	1.01	
Barium	157	0.503	1.01	
Beryllium	0.299	0.251	1.01	
Cadmium	4.47	0.503	1.01	
Chromium	23.3	0.251	1.01	
Cobalt	11.3	0.251	1.01	
Copper	44.8	0.503	1.01	
Lead	115	0.503	1.01	
Molybdenum	0.499	0.251	1.01	
Nickel	20.6	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	37.4	0.251	1.01	
Zinc	674	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/19/15
17781 Cowan, Suite 140		Work Order:	15-08-1351
Irvine, CA 92614-6009		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**ICP 7300**	**08/19/15**	**08/20/15 12:33**	**150819L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.765	1.02	
Arsenic	1.60	0.765	1.02	
Barium	111	0.510	1.02	
Beryllium	ND	0.255	1.02	
Cadmium	0.688	0.510	1.02	
Chromium	17.1	0.255	1.02	
Cobalt	10.7	0.255	1.02	
Copper	15.2	0.510	1.02	
Lead	3.58	0.510	1.02	
Molybdenum	ND	0.255	1.02	
Nickel	14.1	0.255	1.02	
Selenium	ND	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	32.5	0.255	1.02	
Zinc	49.6	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**ICP 7300**	**08/19/15**	**08/20/15 12:35**	**150819L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	6.07	0.750	1.00	
Barium	190	0.500	1.00	
Beryllium	0.390	0.250	1.00	
Cadmium	1.09	0.500	1.00	
Chromium	32.5	0.250	1.00	
Cobalt	13.7	0.250	1.00	
Copper	26.6	0.500	1.00	
Lead	27.9	0.500	1.00	
Molybdenum	0.327	0.250	1.00	
Nickel	21.8	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	44.4	0.250	1.00	
Zinc	112	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21623**	**N/A**	**Solid**	**ICP 7300**	**08/19/15**	**08/19/15 18:24**	**150819L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-a**	**08/19/15 10:09**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 21:21**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0877	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-a**	**08/19/15 10:09**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 21:23**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.102	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-a**	**08/19/15 09:21**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 21:25**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-a**	**08/19/15 09:21**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 21:28**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.139	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-1542**	**N/A**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 20:28**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:13**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	60	24-168	
2,4,5,6-Tetrachloro-m-Xylene	57	25-145	

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:28**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	7.5	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-N1-1'	**15-08-1351-13-A**	**08/19/15 12:15**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:43**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	41	5.1	1.00	E
4,4'-DDE	140	5.1	1.00	E
4,4'-DDT	6.7	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-E1-2'	**15-08-1351-14-A**	**08/19/15 12:17**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:58**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	13	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-W1-2'	**15-08-1351-15-A**	**08/19/15 12:16**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:13**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	36	24-168	
2,4,5,6-Tetrachloro-m-Xylene	42	25-145	

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-S1-2'	**15-08-1351-16-A**	**08/19/15 12:18**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:28**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	11	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	111	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-F-3'	**15-08-1351-17-A**	**08/19/15 12:19**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:44**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N1-2'	**15-08-1351-18-A**	**08/19/15 14:35**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:59**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	33	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 13:14**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	100	5.0	1.00	E
4,4'-DDE	300	5.0	1.00	E
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 13:29**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	49	5.0	1.00	E
4,4'-DDE	220	5.0	1.00	E
4,4'-DDT	8.5	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E2-1.5'	**15-08-1351-21-A**	**08/19/15 15:10**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 13:44**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	39	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	16	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W1-2'	**15-08-1351-22-A**	**08/19/15 14:27**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:00**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	32	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W2-2'	**15-08-1351-23-A**	**08/19/15 14:28**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:15**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'	**15-08-1351-24-A**	**08/19/15 14:24**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:30**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	34	5.0	1.00	
4,4'-DDE	190	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'D	**15-08-1351-25-A**	**08/19/15 14:24**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:45**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	9.2	5.1	1.00	
4,4'-DDE	180	5.1	1.00	E
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S2-2'	**15-08-1351-26-A**	**08/19/15 14:26**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 15:01**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	24	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F1-3'	**15-08-1351-27-A**	**08/19/15 15:05**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:29**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F2-3'	**15-08-1351-28-A**	**08/19/15 15:06**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:43**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	95	5.0	1.00	E
4,4'-DDT	5.8	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F3-3'	**15-08-1351-29-A**	**08/19/15 15:04**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:57**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	19	5.0	1.00	
4,4'-DDE	26	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:12**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	490	5.0	1.00	E
4,4'-DDT	7.0	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:26**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	240	5.0	1.00	E
4,4'-DDE	180	5.0	1.00	E
4,4'-DDT	40	5.0	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	165	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2220**	**N/A**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:14**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2219**	**N/A**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 10:57**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 12:29**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 12:47**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N1-2'	**15-08-1351-18-A**	**08/19/15 14:35**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 13:05**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 13:23**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	117	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 13:41**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	116	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E2-1.5'	**15-08-1351-21-A**	**08/19/15 15:10**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 13:59**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	120	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W1-2'	**15-08-1351-22-A**	**08/19/15 14:27**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 14:17**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W2-2'	**15-08-1351-23-A**	**08/19/15 14:28**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 14:35**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'	**15-08-1351-24-A**	**08/19/15 14:24**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 14:53**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	124	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'D	**15-08-1351-25-A**	**08/19/15 14:24**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 15:11**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	51	1.00	
Aroclor-1221	ND	51	1.00	
Aroclor-1232	ND	51	1.00	
Aroclor-1242	ND	51	1.00	
Aroclor-1248	ND	51	1.00	
Aroclor-1254	ND	51	1.00	
Aroclor-1260	ND	51	1.00	
Aroclor-1262	ND	51	1.00	
Aroclor-1268	ND	51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S2-2'	**15-08-1351-26-A**	**08/19/15 14:26**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 15:29**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F1-3'	**15-08-1351-27-A**	**08/19/15 15:05**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 15:47**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F2-3'	**15-08-1351-28-A**	**08/19/15 15:06**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 16:05**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F3-3'	**15-08-1351-29-A**	**08/19/15 15:04**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 16:23**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 16:41**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	121	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 16:59**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	116	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3378**	**N/A**	**Solid**	**GC 58**	**08/19/15**	**08/20/15 12:11**	**150819L17**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**GC/MS CCC**	**08/19/15**	**08/20/15 14:50**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	2.5	1.00	
Acenaphthylene	ND	2.5	1.00	
Aniline	ND	2.5	1.00	
Anthracene	ND	2.5	1.00	
Azobenzene	ND	2.5	1.00	
Benzidine	ND	50	1.00	
Benzo (a) Anthracene	ND	2.5	1.00	
Benzo (a) Pyrene	ND	2.5	1.00	
Benzo (b) Fluoranthene	ND	2.5	1.00	
Benzo (g,h,i) Perylene	ND	2.5	1.00	
Benzo (k) Fluoranthene	ND	2.5	1.00	
Benzoic Acid	ND	12	1.00	
Benzyl Alcohol	ND	2.5	1.00	
Bis(2-Chloroethoxy) Methane	ND	2.5	1.00	
Bis(2-Chloroethyl) Ether	ND	12	1.00	
Bis(2-Chloroisopropyl) Ether	ND	2.5	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	2.5	1.00	
4-Bromophenyl-Phenyl Ether	ND	2.5	1.00	
Butyl Benzyl Phthalate	ND	2.5	1.00	
4-Chloro-3-Methylphenol	ND	2.5	1.00	
4-Chloroaniline	ND	2.5	1.00	
2-Chloronaphthalene	ND	2.5	1.00	
2-Chlorophenol	ND	2.5	1.00	
4-Chlorophenyl-Phenyl Ether	ND	2.5	1.00	
Chrysene	ND	2.5	1.00	
Di-n-Butyl Phthalate	ND	2.5	1.00	
Di-n-Octyl Phthalate	ND	2.5	1.00	
Dibenz (a,h) Anthracene	ND	2.5	1.00	
Dibenzofuran	ND	2.5	1.00	
1,2-Dichlorobenzene	ND	2.5	1.00	
1,3-Dichlorobenzene	ND	2.5	1.00	
1,4-Dichlorobenzene	ND	2.5	1.00	
3,3'-Dichlorobenzidine	ND	50	1.00	
2,4-Dichlorophenol	ND	2.5	1.00	
Diethyl Phthalate	ND	2.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 2 of 15

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	2.5	1.00	
2,4-Dimethylphenol	ND	2.5	1.00	
4,6-Dinitro-2-Methylphenol	ND	12	1.00	
2,4-Dinitrophenol	ND	12	1.00	
2,4-Dinitrotoluene	ND	2.5	1.00	
2,6-Dinitrotoluene	ND	2.5	1.00	
Fluoranthene	ND	2.5	1.00	
Fluorene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	2.5	1.00	
Hexachlorobenzene	ND	2.5	1.00	
Hexachlorocyclopentadiene	ND	12	1.00	
Hexachloroethane	ND	2.5	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	2.5	1.00	
Isophorone	ND	2.5	1.00	
2-Methylnaphthalene	ND	2.5	1.00	
1-Methylnaphthalene	ND	2.5	1.00	
2-Methylphenol	ND	2.5	1.00	
3/4-Methylphenol	ND	2.5	1.00	
N-Nitroso-di-n-propylamine	ND	2.5	1.00	
N-Nitrosodimethylamine	ND	2.5	1.00	
N-Nitrosodiphenylamine	ND	2.5	1.00	
Naphthalene	ND	2.5	1.00	
4-Nitroaniline	ND	2.5	1.00	
3-Nitroaniline	ND	2.5	1.00	
2-Nitroaniline	ND	2.5	1.00	
Nitrobenzene	ND	12	1.00	
4-Nitrophenol	ND	2.5	1.00	
2-Nitrophenol	ND	2.5	1.00	
Pentachlorophenol	ND	12	1.00	
Phenanthrene	ND	2.5	1.00	
Phenol	ND	2.5	1.00	
Pyrene	ND	2.5	1.00	
Pyridine	ND	2.5	1.00	
1,2,4-Trichlorobenzene	ND	2.5	1.00	
2,4,6-Trichlorophenol	ND	2.5	1.00	
2,4,5-Trichlorophenol	ND	2.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	90	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 3 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	98	25-120	
Nitrobenzene-d5	87	33-123	
p-Terphenyl-d14	92	27-159	
Phenol-d6	101	26-122	
2,4,6-Tribromophenol	120	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**GC/MS CCC**	**08/19/15**	**08/20/15 15:08**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	2.5	1.00	
Acenaphthylene	ND	2.5	1.00	
Aniline	ND	2.5	1.00	
Anthracene	ND	2.5	1.00	
Azobenzene	ND	2.5	1.00	
Benzidine	ND	50	1.00	
Benzo (a) Anthracene	ND	2.5	1.00	
Benzo (a) Pyrene	ND	2.5	1.00	
Benzo (b) Fluoranthene	ND	2.5	1.00	
Benzo (g,h,i) Perylene	ND	2.5	1.00	
Benzo (k) Fluoranthene	ND	2.5	1.00	
Benzoic Acid	ND	12	1.00	
Benzyl Alcohol	ND	2.5	1.00	
Bis(2-Chloroethoxy) Methane	ND	2.5	1.00	
Bis(2-Chloroethyl) Ether	ND	12	1.00	
Bis(2-Chloroisopropyl) Ether	ND	2.5	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	2.5	1.00	
4-Bromophenyl-Phenyl Ether	ND	2.5	1.00	
Butyl Benzyl Phthalate	ND	2.5	1.00	
4-Chloro-3-Methylphenol	ND	2.5	1.00	
4-Chloroaniline	ND	2.5	1.00	
2-Chloronaphthalene	ND	2.5	1.00	
2-Chlorophenol	ND	2.5	1.00	
4-Chlorophenyl-Phenyl Ether	ND	2.5	1.00	
Chrysene	ND	2.5	1.00	
Di-n-Butyl Phthalate	ND	2.5	1.00	
Di-n-Octyl Phthalate	ND	2.5	1.00	
Dibenz (a,h) Anthracene	ND	2.5	1.00	
Dibenzofuran	ND	2.5	1.00	
1,2-Dichlorobenzene	ND	2.5	1.00	
1,3-Dichlorobenzene	ND	2.5	1.00	
1,4-Dichlorobenzene	ND	2.5	1.00	
3,3'-Dichlorobenzidine	ND	50	1.00	
2,4-Dichlorophenol	ND	2.5	1.00	
Diethyl Phthalate	ND	2.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	2.5	1.00	
2,4-Dimethylphenol	ND	2.5	1.00	
4,6-Dinitro-2-Methylphenol	ND	12	1.00	
2,4-Dinitrophenol	ND	12	1.00	
2,4-Dinitrotoluene	ND	2.5	1.00	
2,6-Dinitrotoluene	ND	2.5	1.00	
Fluoranthene	ND	2.5	1.00	
Fluorene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	2.5	1.00	
Hexachlorobenzene	ND	2.5	1.00	
Hexachlorocyclopentadiene	ND	12	1.00	
Hexachloroethane	ND	2.5	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	2.5	1.00	
Isophorone	ND	2.5	1.00	
2-Methylnaphthalene	ND	2.5	1.00	
1-Methylnaphthalene	ND	2.5	1.00	
2-Methylphenol	ND	2.5	1.00	
3/4-Methylphenol	ND	2.5	1.00	
N-Nitroso-di-n-propylamine	ND	2.5	1.00	
N-Nitrosodimethylamine	ND	2.5	1.00	
N-Nitrosodiphenylamine	ND	2.5	1.00	
Naphthalene	ND	2.5	1.00	
4-Nitroaniline	ND	2.5	1.00	
3-Nitroaniline	ND	2.5	1.00	
2-Nitroaniline	ND	2.5	1.00	
Nitrobenzene	ND	12	1.00	
4-Nitrophenol	ND	2.5	1.00	
2-Nitrophenol	ND	2.5	1.00	
Pentachlorophenol	ND	12	1.00	
Phenanthrene	ND	2.5	1.00	
Phenol	ND	2.5	1.00	
Pyrene	ND	2.5	1.00	
Pyridine	ND	2.5	1.00	
1,2,4-Trichlorobenzene	ND	2.5	1.00	
2,4,6-Trichlorophenol	ND	2.5	1.00	
2,4,5-Trichlorophenol	ND	2.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	89	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 6 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	95	25-120	
Nitrobenzene-d5	86	33-123	
p-Terphenyl-d14	91	27-159	
Phenol-d6	99	26-122	
2,4,6-Tribromophenol	115	18-138	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC/MS CCC**	**08/19/15**	**08/20/15 15:26**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	1.0	1.00	
Acenaphthylene	ND	1.0	1.00	
Aniline	ND	1.0	1.00	
Anthracene	ND	1.0	1.00	
Azobenzene	ND	1.0	1.00	
Benzidine	ND	20	1.00	
Benzo (a) Anthracene	ND	1.0	1.00	
Benzo (a) Pyrene	ND	1.0	1.00	
Benzo (b) Fluoranthene	ND	1.0	1.00	
Benzo (g,h,i) Perylene	ND	1.0	1.00	
Benzo (k) Fluoranthene	ND	1.0	1.00	
Benzoic Acid	ND	5.0	1.00	
Benzyl Alcohol	ND	1.0	1.00	
Bis(2-Chloroethoxy) Methane	ND	1.0	1.00	
Bis(2-Chloroethyl) Ether	ND	5.0	1.00	
Bis(2-Chloroisopropyl) Ether	ND	1.0	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	1.0	1.00	
4-Bromophenyl-Phenyl Ether	ND	1.0	1.00	
Butyl Benzyl Phthalate	ND	1.0	1.00	
4-Chloro-3-Methylphenol	ND	1.0	1.00	
4-Chloroaniline	ND	1.0	1.00	
2-Chloronaphthalene	ND	1.0	1.00	
2-Chlorophenol	ND	1.0	1.00	
4-Chlorophenyl-Phenyl Ether	ND	1.0	1.00	
Chrysene	ND	1.0	1.00	
Di-n-Butyl Phthalate	ND	1.0	1.00	
Di-n-Octyl Phthalate	ND	1.0	1.00	
Dibenz (a,h) Anthracene	ND	1.0	1.00	
Dibenzofuran	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
3,3'-Dichlorobenzidine	ND	20	1.00	
2,4-Dichlorophenol	ND	1.0	1.00	
Diethyl Phthalate	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	1.0	1.00	
2,4-Dimethylphenol	ND	1.0	1.00	
4,6-Dinitro-2-Methylphenol	ND	5.0	1.00	
2,4-Dinitrophenol	ND	5.0	1.00	
2,4-Dinitrotoluene	ND	1.0	1.00	
2,6-Dinitrotoluene	ND	1.0	1.00	
Fluoranthene	ND	1.0	1.00	
Fluorene	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	1.0	1.00	
Hexachlorobenzene	ND	1.0	1.00	
Hexachlorocyclopentadiene	ND	5.0	1.00	
Hexachloroethane	ND	1.0	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	1.0	1.00	
Isophorone	ND	1.0	1.00	
2-Methylnaphthalene	ND	1.0	1.00	
1-Methylnaphthalene	ND	1.0	1.00	
2-Methylphenol	ND	1.0	1.00	
3/4-Methylphenol	ND	1.0	1.00	
N-Nitroso-di-n-propylamine	ND	1.0	1.00	
N-Nitrosodimethylamine	ND	1.0	1.00	
N-Nitrosodiphenylamine	ND	1.0	1.00	
Naphthalene	ND	1.0	1.00	
4-Nitroaniline	ND	1.0	1.00	
3-Nitroaniline	ND	1.0	1.00	
2-Nitroaniline	ND	1.0	1.00	
Nitrobenzene	ND	5.0	1.00	
4-Nitrophenol	ND	1.0	1.00	
2-Nitrophenol	ND	1.0	1.00	
Pentachlorophenol	ND	5.0	1.00	
Phenanthrene	ND	1.0	1.00	
Phenol	ND	1.0	1.00	
Pyrene	ND	1.0	1.00	
Pyridine	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
2,4,6-Trichlorophenol	ND	1.0	1.00	
2,4,5-Trichlorophenol	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	81	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 9 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	86	25-120	
Nitrobenzene-d5	79	33-123	
p-Terphenyl-d14	86	27-159	
Phenol-d6	91	26-122	
2,4,6-Tribromophenol	109	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC/MS CCC**	**08/19/15**	**08/20/15 15:44**	**150819L04**

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	5.0	2.00	
Acenaphthylene	ND	5.0	2.00	
Aniline	ND	5.0	2.00	
Anthracene	ND	5.0	2.00	
Azobenzene	ND	5.0	2.00	
Benzidine	ND	100	2.00	
Benzo (a) Anthracene	ND	5.0	2.00	
Benzo (a) Pyrene	ND	5.0	2.00	
Benzo (b) Fluoranthene	ND	5.0	2.00	
Benzo (g,h,i) Perylene	ND	5.0	2.00	
Benzo (k) Fluoranthene	ND	5.0	2.00	
Benzoic Acid	ND	25	2.00	
Benzyl Alcohol	ND	5.0	2.00	
Bis(2-Chloroethoxy) Methane	ND	5.0	2.00	
Bis(2-Chloroethyl) Ether	ND	25	2.00	
Bis(2-Chloroisopropyl) Ether	ND	5.0	2.00	
Bis(2-Ethylhexyl) Phthalate	ND	5.0	2.00	
4-Bromophenyl-Phenyl Ether	ND	5.0	2.00	
Butyl Benzyl Phthalate	ND	5.0	2.00	
4-Chloro-3-Methylphenol	ND	5.0	2.00	
4-Chloroaniline	ND	5.0	2.00	
2-Chloronaphthalene	ND	5.0	2.00	
2-Chlorophenol	ND	5.0	2.00	
4-Chlorophenyl-Phenyl Ether	ND	5.0	2.00	
Chrysene	ND	5.0	2.00	
Di-n-Butyl Phthalate	ND	5.0	2.00	
Di-n-Octyl Phthalate	ND	5.0	2.00	
Dibenz (a,h) Anthracene	ND	5.0	2.00	
Dibenzofuran	ND	5.0	2.00	
1,2-Dichlorobenzene	ND	5.0	2.00	
1,3-Dichlorobenzene	ND	5.0	2.00	
1,4-Dichlorobenzene	ND	5.0	2.00	
3,3'-Dichlorobenzidine	ND	100	2.00	
2,4-Dichlorophenol	ND	5.0	2.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Diethyl Phthalate	ND	5.0	2.00	
Dimethyl Phthalate	ND	5.0	2.00	
2,4-Dimethylphenol	ND	5.0	2.00	
4,6-Dinitro-2-Methylphenol	ND	25	2.00	
2,4-Dinitrophenol	ND	25	2.00	
2,4-Dinitrotoluene	ND	5.0	2.00	
2,6-Dinitrotoluene	ND	5.0	2.00	
Fluoranthene	ND	5.0	2.00	
Fluorene	ND	5.0	2.00	
Hexachloro-1,3-Butadiene	ND	5.0	2.00	
Hexachlorobenzene	ND	5.0	2.00	
Hexachlorocyclopentadiene	ND	25	2.00	
Hexachloroethane	ND	5.0	2.00	
Indeno (1,2,3-c,d) Pyrene	ND	5.0	2.00	
Isophorone	ND	5.0	2.00	
2-Methylnaphthalene	ND	5.0	2.00	
1-Methylnaphthalene	ND	5.0	2.00	
2-Methylphenol	ND	5.0	2.00	
3/4-Methylphenol	ND	5.0	2.00	
N-Nitroso-di-n-propylamine	ND	5.0	2.00	
N-Nitrosodimethylamine	ND	5.0	2.00	
N-Nitrosodiphenylamine	ND	5.0	2.00	
Naphthalene	ND	5.0	2.00	
4-Nitroaniline	ND	5.0	2.00	
3-Nitroaniline	ND	5.0	2.00	
2-Nitroaniline	ND	5.0	2.00	
Nitrobenzene	ND	25	2.00	
4-Nitrophenol	ND	5.0	2.00	
2-Nitrophenol	ND	5.0	2.00	
Pentachlorophenol	ND	25	2.00	
Phenanthrene	ND	5.0	2.00	
Phenol	ND	5.0	2.00	
Pyrene	ND	5.0	2.00	
Pyridine	ND	5.0	2.00	
1,2,4-Trichlorobenzene	ND	5.0	2.00	
2,4,6-Trichlorophenol	ND	5.0	2.00	
2,4,5-Trichlorophenol	ND	5.0	2.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 12 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	86	27-120	
2-Fluorophenol	87	25-120	
Nitrobenzene-d5	82	33-123	
p-Terphenyl-d14	87	27-159	
Phenol-d6	93	26-122	
2,4,6-Tribromophenol	111	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-3372**	**N/A**	**Solid**	**GC/MS CCC**	**08/19/15**	**08/20/15 13:02**	**150819L04**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	83	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 15 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	86	25-120	
Nitrobenzene-d5	81	33-123	
p-Terphenyl-d14	94	27-159	
Phenol-d6	89	26-122	
2,4,6-Tribromophenol	109	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**GC/MS Z**	**08/19/15**	**08/19/15 18:36**	**150819L021**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 2 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**GC/MS Z**	**08/19/15**	**08/19/15 19:07**	**150819L021**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 4 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	92	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC/MS Z**	**08/19/15**	**08/19/15 19:39**	**150819L021**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC/MS Z**	**08/19/15**	**08/19/15 20:10**	**150819L021**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.8	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	93	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-10054**	**N/A**	**Solid**	**GC/MS Z**	**08/19/15**	**08/19/15 13:51**	**150819L021**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: N/A
Method: EPA 300.0

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-3-SS1-1	**Sample**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 22:01**	**150819S02P**
REM-3-SS1-1	**Matrix Spike**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 23:09**	**150819S02P**
REM-3-SS1-1	**Matrix Spike Duplicate**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 23:26**	**150819S02P**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	102.7	500.0	641.9	108	641.1	108	80-120	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-3S-S2-2'	**Sample**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 06:14**	**150819S10**
REM-5-3S-S2-2'	**Matrix Spike**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 05:21**	**150819S10**
REM-5-3S-S2-2'	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 05:39**	**150819S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	423.6	106	427.2	107	64-130	1	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)
Project: POLA SCIG / 603127015		Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-3S-W2-2'	**Sample**	**Solid**	**GC 47**	**08/19/15**	**08/20/15 05:58**	**150819S09**
REM-5-3S-W2-2'	**Matrix Spike**	**Solid**	**GC 47**	**08/19/15**	**08/19/15 23:36**	**150819S09**
REM-5-3S-W2-2'	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**08/19/15**	**08/19/15 23:54**	**150819S09**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	411.2	103	382.4	96	64-130	7	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1327-2	**Sample**	**Solid**	**ICP 7300**	**08/19/15**	**08/19/15 19:36**	**150819S02**
15-08-1327-2	**Matrix Spike**	**Solid**	**ICP 7300**	**08/19/15**	**08/19/15 19:33**	**150819S02**
15-08-1327-2	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/19/15**	**08/19/15 19:34**	**150819S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.693	23	7.540	30	50-115	28	0-20	3,4
Arsenic	ND	25.00	26.69	107	27.33	109	75-125	2	0-20	
Barium	140.7	25.00	170.3	4X	165.1	4X	75-125	4X	0-20	Q
Beryllium	0.3777	25.00	27.64	109	29.47	116	75-125	6	0-20	
Cadmium	1.188	25.00	27.71	106	29.47	113	75-125	6	0-20	
Chromium	20.72	25.00	48.63	112	49.88	117	75-125	3	0-20	
Cobalt	13.87	25.00	41.54	111	42.84	116	75-125	3	0-20	
Copper	19.02	25.00	48.75	119	49.38	121	75-125	1	0-20	
Lead	3.522	25.00	29.54	104	31.30	111	75-125	6	0-20	
Molybdenum	ND	25.00	25.44	102	27.47	110	75-125	8	0-20	
Nickel	15.17	25.00	42.29	108	43.96	115	75-125	4	0-20	
Selenium	ND	25.00	21.15	85	23.71	95	75-125	11	0-20	
Silver	ND	12.50	4.906	39	5.452	44	75-125	11	0-20	3
Thallium	ND	25.00	17.91	72	15.70	63	75-125	13	0-20	3
Vanadium	42.98	25.00	70.16	109	69.93	108	75-125	0	0-20	
Zinc	68.02	25.00	94.69	107	93.80	103	75-125	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/19/15
17781 Cowan, Suite 140	Work Order:	15-08-1351
Irvine, CA 92614-6009	Preparation:	EPA 7471A Total
	Method:	EPA 7471A
Project: POLA SCIG / 603127015		Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1077-1	**Sample**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 20:32**	**150819S04**
15-08-1077-1	**Matrix Spike**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 20:34**	**150819S04**
15-08-1077-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 20:36**	**150819S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.6697	80	0.7420	89	71-137	10	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-0666-3	**Sample**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 16:09**	**150819S07**
15-08-0666-3	**Matrix Spike**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:40**	**150819S07**
15-08-0666-3	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:55**	**150819S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	16.37	65	16.88	68	50-135	3	0-25	
Alpha-BHC	ND	25.00	17.80	71	17.77	71	50-135	0	0-25	
Beta-BHC	ND	25.00	20.88	84	20.39	82	50-135	2	0-25	
4,4'-DDD	ND	25.00	28.03	112	27.33	109	50-135	3	0-25	
4,4'-DDE	ND	25.00	22.65	91	22.37	89	50-135	1	0-25	
4,4'-DDT	ND	25.00	11.43	46	10.58	42	50-135	8	0-25	3
Delta-BHC	ND	25.00	20.83	83	20.99	84	50-135	1	0-25	
Dieldrin	ND	25.00	20.01	80	19.68	79	50-135	2	0-25	
Endosulfan I	ND	25.00	16.59	66	16.76	67	50-135	1	0-25	
Endosulfan II	ND	25.00	21.69	87	19.81	79	50-135	9	0-25	
Endosulfan Sulfate	ND	25.00	20.73	83	21.34	85	50-135	3	0-25	
Endrin	ND	25.00	20.50	82	19.41	78	50-135	5	0-25	
Endrin Aldehyde	ND	25.00	7.646	31	4.706	19	50-135	48	0-25	3,4
Gamma-BHC	ND	25.00	19.50	78	18.95	76	50-135	3	0-25	
Heptachlor	ND	25.00	16.66	67	16.21	65	50-135	3	0-25	
Heptachlor Epoxide	ND	25.00	18.31	73	17.56	70	50-135	4	0-25	
Methoxychlor	ND	25.00	15.04	60	11.61	46	50-135	26	0-25	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 5030C
Method: EPA 8260B

Project: POLA SCIG / 603127015

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1252-11	**Sample**	**Solid**	**GC/MS Z**	**08/18/15**	**08/19/15 14:54**	**150819S003**
15-08-1252-11	**Matrix Spike**	**Solid**	**GC/MS Z**	**08/18/15**	**08/19/15 15:26**	**150819S003**
15-08-1252-11	**Matrix Spike Duplicate**	**Solid**	**GC/MS Z**	**08/18/15**	**08/19/15 15:58**	**150819S003**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	44.76	90	41.87	84	61-127	7	0-20	
Carbon Tetrachloride	ND	50.00	48.02	96	43.91	88	51-135	9	0-29	
Chlorobenzene	ND	50.00	46.12	92	43.13	86	57-123	7	0-20	
1,2-Dibromoethane	ND	50.00	49.93	100	46.55	93	64-124	7	0-20	
1,2-Dichlorobenzene	ND	50.00	47.87	96	45.47	91	35-131	5	0-25	
1,2-Dichloroethane	ND	50.00	47.36	95	44.26	89	80-120	7	0-20	
1,1-Dichloroethene	ND	50.00	46.21	92	31.36	63	47-143	38	0-25	4
Ethylbenzene	ND	50.00	45.65	91	42.38	85	57-129	7	0-22	
Toluene	ND	50.00	45.95	92	42.99	86	63-123	7	0-20	
Trichloroethene	ND	50.00	47.31	95	43.81	88	44-158	8	0-20	
Vinyl Chloride	ND	50.00	35.30	71	34.25	69	49-139	3	0-47	
p/m-Xylene	ND	100.0	88.91	89	82.15	82	70-130	8	0-30	
o-Xylene	ND	50.00	45.28	91	42.42	85	70-130	7	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.13	92	43.46	87	57-123	6	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: N/A
	Method: EPA 376.2M
Project: POLA SCIG / 603127015	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
REM-3-SS1-1	**Sample**	**Solid**	**N/A**	**08/20/15 00:00**	**08/20/15 13:34**	**F0820SD1**
REM-3-SS1-1	**Sample Duplicate**	**Solid**	**N/A**	**08/20/15 00:00**	**08/20/15 13:34**	**F0820SD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Sulfide, Total	1.500	1.500	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: N/A
	Method: EPA 300.0
Project: POLA SCIG / 603127015	Page 1 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-922-635	**LCS**	**Solid**	**IC 10**	**08/19/15**	**08/19/15 21:44**	**150819L02P**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	500.0	520.0	104	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: N/A
Method: EPA 376.2M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-001-5499	**LCS**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**
099-05-001-5499	**LCSD**	**Solid**	**N/A**	**08/20/15**	**08/20/15 13:34**	**F0820SL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfide, Total	5.000	4.250	85	4.000	80	80-120	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 3 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1720	**LCS**	**Solid**	**GC 46**	**08/19/15**	**08/20/15 05:04**	**150819B10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	431.6	108	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 4 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1719	**LCS**	**Solid**	**GC 47**	**08/19/15**	**08/19/15 23:19**	**150819B09**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	405.2	101	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.		Date Received:	08/19/15
17781 Cowan, Suite 140		Work Order:	15-08-1351
Irvine, CA 92614-6009		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: POLA SCIG / 603127015			Page 5 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21623	**LCS**	**Solid**	**ICP 7300**	**08/19/15**	**08/19/15 18:26**	**150819L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	24.00	96	80-120	73-127	
Arsenic	25.00	23.61	94	80-120	73-127	
Barium	25.00	25.94	104	80-120	73-127	
Beryllium	25.00	23.37	93	80-120	73-127	
Cadmium	25.00	24.68	99	80-120	73-127	
Chromium	25.00	25.71	103	80-120	73-127	
Cobalt	25.00	26.75	107	80-120	73-127	
Copper	25.00	25.29	101	80-120	73-127	
Lead	25.00	24.89	100	80-120	73-127	
Molybdenum	25.00	23.94	96	80-120	73-127	
Nickel	25.00	26.26	105	80-120	73-127	
Selenium	25.00	22.74	91	80-120	73-127	
Silver	12.50	12.15	97	80-120	73-127	
Thallium	25.00	25.07	100	80-120	73-127	
Vanadium	25.00	24.71	99	80-120	73-127	
Zinc	25.00	24.50	98	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.		Date Received:	08/19/15
17781 Cowan, Suite 140		Work Order:	15-08-1351
Irvine, CA 92614-6009		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: POLA SCIG / 603127015			Page 6 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-1542	**LCS**	**Solid**	**Mercury 05**	**08/19/15**	**08/19/15 20:30**	**150819L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.7786	93	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 7 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2219	**LCS**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 15:16**	**150819L16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	18.53	74	50-135	36-149	
Alpha-BHC	25.00	19.87	79	50-135	36-149	
Beta-BHC	25.00	17.64	71	50-135	36-149	
4,4'-DDD	25.00	20.04	80	50-135	36-149	
4,4'-DDE	25.00	19.57	78	50-135	36-149	
4,4'-DDT	25.00	25.02	100	50-135	36-149	
Delta-BHC	25.00	22.59	90	50-135	36-149	
Dieldrin	25.00	21.30	85	50-135	36-149	
Endosulfan I	25.00	19.26	77	50-135	36-149	
Endosulfan II	25.00	23.47	94	50-135	36-149	
Endosulfan Sulfate	25.00	23.98	96	50-135	36-149	
Endrin	25.00	22.76	91	50-135	36-149	
Endrin Aldehyde	25.00	22.02	88	50-135	36-149	
Gamma-BHC	25.00	22.85	91	50-135	36-149	
Heptachlor	25.00	19.90	80	50-135	36-149	
Heptachlor Epoxide	25.00	19.09	76	50-135	36-149	
Methoxychlor	25.00	27.95	112	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 8 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2220	**LCS**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 16:23**	**150819L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	17.10	68	50-135	36-149	
Alpha-BHC	25.00	18.20	73	50-135	36-149	
Beta-BHC	25.00	19.13	77	50-135	36-149	
4,4'-DDD	25.00	21.02	84	50-135	36-149	
4,4'-DDE	25.00	19.80	79	50-135	36-149	
4,4'-DDT	25.00	17.07	68	50-135	36-149	
Delta-BHC	25.00	19.35	77	50-135	36-149	
Dieldrin	25.00	18.74	75	50-135	36-149	
Endosulfan I	25.00	17.13	69	50-135	36-149	
Endosulfan II	25.00	19.03	76	50-135	36-149	
Endosulfan Sulfate	25.00	19.91	80	50-135	36-149	
Endrin	25.00	19.89	80	50-135	36-149	
Endrin Aldehyde	25.00	14.58	58	50-135	36-149	
Gamma-BHC	25.00	19.59	78	50-135	36-149	
Heptachlor	25.00	18.37	73	50-135	36-149	
Heptachlor Epoxide	25.00	17.76	71	50-135	36-149	
Methoxychlor	25.00	17.39	70	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8270C
Project: POLA SCIG / 603127015	Page 9 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-549-3372	**LCS**	**Solid**	**GC/MS CCC**	**08/19/15**	**08/20/15 12:44**	**150819L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	9.415	94	51-123	39-135	
Acenaphthylene	10.00	9.323	93	52-120	41-131	
Butyl Benzyl Phthalate	10.00	9.644	96	43-139	27-155	
4-Chloro-3-Methylphenol	10.00	10.09	101	55-121	44-132	
2-Chlorophenol	10.00	9.814	98	58-124	47-135	
1,4-Dichlorobenzene	10.00	8.696	87	42-132	27-147	
Dimethyl Phthalate	10.00	10.02	100	51-123	39-135	
2,4-Dinitrotoluene	10.00	10.76	108	51-129	38-142	
Fluorene	10.00	10.02	100	54-126	42-138	
N-Nitroso-di-n-propylamine	10.00	9.163	92	40-136	24-152	
Naphthalene	10.00	9.286	93	32-146	13-165	
4-Nitrophenol	10.00	9.026	90	24-126	7-143	
Pentachlorophenol	10.00	7.429	74	23-131	5-149	
Phenol	10.00	9.327	93	40-130	25-145	
Pyrene	10.00	9.329	93	47-143	31-159	
1,2,4-Trichlorobenzene	10.00	9.785	98	45-129	31-143	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 5030C
	Method: EPA 8260B
Project: POLA SCIG / 603127015	Page 10 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-10054	**LCS**	**Solid**	**GC/MS Z**	**08/19/15**	**08/19/15 12:47**	**150819L021**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.65	95	78-120	71-127	
Carbon Tetrachloride	50.00	51.16	102	49-139	34-154	
Chlorobenzene	50.00	48.87	98	79-120	72-127	
1,2-Dibromoethane	50.00	50.86	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.12	100	75-120	68-128	
1,2-Dichloroethane	50.00	49.45	99	80-120	73-127	
1,1-Dichloroethene	50.00	46.98	94	74-122	66-130	
Ethylbenzene	50.00	47.69	95	76-120	69-127	
Toluene	50.00	48.62	97	77-120	70-127	
Trichloroethene	50.00	50.44	101	80-120	73-127	
Vinyl Chloride	50.00	40.13	80	68-122	59-131	
p/m-Xylene	100.0	93.18	93	75-125	67-133	
o-Xylene	50.00	47.72	95	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	48.48	97	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1351 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	834	IC 10	1
EPA 376.2M	N/A	880	N/A	1
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3550B	974	GC 46	1
EPA 8015B (M)	EPA 3550B	974	GC 47	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8082	EPA 3545	669	GC 58	1
EPA 8260B	EPA 5030C	986	GC/MS Z	2
EPA 8270C	EPA 3545	923	GC/MS CCC	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1351 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1351**

DATE: 8/19/15
PAGE: 1 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ~~☐ 24 HR~~ ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☑ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☑ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	ARSENIC	SULFIDE + SULFATE		
1	REM-3-S-N1-2'	8/19/15	1000	SOIL	1						X										X			X		
2	REM-3-S-E1-2'		1003								X															
3	REM-3-S-W1-2'		1006								X															
4	REM-3-S-S1-2'		1002								X															
5	REM-3-S-F-3'		1005								X															
6	REM-3-SS1-1		1009								X			X			X	X	X		X			X		
7	REM-3-SS1-2		1009								X			X			X	X	X		X			X		
8	REM-5-IS-N1-2'		0822								X															
9	REM-5-IS-E1-2'		0821								X															
10	REM-5-IS-W1-2'		0823								X															

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	EG	8/19/15	1618
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
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2014-07-01 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15

PAGE: 2 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
11	REM-5-15-S1-2'	8/19/15	0824	SOIL	1						X							X							
12	REM-5-15-E-3'		0825								X							X							
13	REM-5-25-N1-2'		1215								X							X							
14	REM-5-25-E1-2'		1217															X							
15	REM-5-25-W1-2'		1216															X							
16	REM-5-25-S1-2'		1218															X							
17	REM-5-25-E-3'		1219															X							
18	REM-5-35-N1-2'		1435								X							X	X						
19	REM-5-35-N2-1.5'		1515								X							X	X						
20	REM-5-35-E1-1.5'		1505								X							X	X						

Relinquished by: (Signature) Tyler Ridyk	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 16:28
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15
PAGE: 3 OF 4

LABORATORY CLIENT: LEIGHTON CONSULTING
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 250 1421 E-MAIL: MWITHROW @ leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLH / TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
21	REM-5-3S-E2-1.5'	8/19/15	1510	SOIL	1						X							X	X						
22	REM-5-3S-W1-2'		1427								X							X	X						
23	REM-5-3S-W2-2'		1428								X							X	X						
24	REM-5-3S-S1-2'		1424								X							X	X						
25	REM-5-3S-S1-2'D		1424								X							X	X						
26	REM-5-3S-S2-2'		1426								X							X	X						
27	REM-5-3S-F1-3'		1505								X							X	X						
28	REM-5-3S-F2-3'		1506								X							X	X						
29	REM-5-3S-F3-3'		1504								X							X	X						

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 16:28
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 15-08-1351

Date: 8/19/15

Page: 4 of 4

LABORATORY CLIENT: Leighton Consulting Inc.

ADDRESS: 17781 Cowan

CITY: Irvine STATE: CA ZIP: 92614

TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

PROJECT CONTACT: Mark Withrow

CLIENT PROJECT NAME / NUMBER:

P.O. NO.: 603127015

SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
30	REM-6-S-N1-1.5	8/19/15	0918	SOIL	1						X															
31	REM-6-S-E1-1.5	"	0917	"	"						X															
32	REM-6-S-W1-1.5	"	0919	"	"						X															
33	REM-6-S-S1-1.5	"	0916	"	"						X															
34	REM-6-S-F-3	"	0920	"	"						X															
35	REM-6-S-F-3D	8/19/15	0920	"	"						X															
36	REM-6-SS1-1	"	0921	"	"						X			X			X	X	X		X		X			
37	REM-6-SS1-2	"	0921	"	"						X			X			X	X	X		X		X			

Relinquished by: (Signature) Tyler Ridgl	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 1628
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

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WORK ORDER NUMBER: 15-08- 1351

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 19 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5 - 2 °C (w/ CF): 5 .0 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 836
Sample(s)	☐ Present and Intact	☐ Present but Not Intact	☑ Not Present	☐ N/A	Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: SM

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Supplemental Report 1

WORK ORDER NUMBER: 15-08-1351

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/21/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Client Project Name: POLA SCIG / 603127015
Work Order Number: 15-08-1351

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3 Quality Control Sample Data. 28
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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/19/15. They were assigned to Work Order 15-08-1351.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-1	**15-08-1351-6-A**	**08/19/15 10:09**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:13**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	60	24-168	
2,4,5,6-Tetrachloro-m-Xylene	57	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-3-SS1-2	**15-08-1351-7-A**	**08/19/15 10:09**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:28**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	7.5	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-N1-1'	**15-08-1351-13-A**	**08/19/15 12:15**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:43**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	31	5.1	1.00	
4,4'-DDT	6.7	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-N1-1'	**15-08-1351-13-A**	**08/19/15 12:15**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 03:23**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	180	51	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-E1-2'	**15-08-1351-14-A**	**08/19/15 12:17**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 11:58**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	13	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-W1-2'	**15-08-1351-15-A**	**08/19/15 12:16**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:13**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	36	24-168	
2,4,5,6-Tetrachloro-m-Xylene	42	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-S1-2'	**15-08-1351-16-A**	**08/19/15 12:18**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:28**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	11	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	111	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-F-3'	**15-08-1351-17-A**	**08/19/15 12:19**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:44**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N1-2'	**15-08-1351-18-A**	**08/19/15 14:35**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:59**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	33	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 13:14**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 03:37**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	120	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	130	24-168	
2,4,5,6-Tetrachloro-m-Xylene	106	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 12:41**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	690	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	151	24-168	
2,4,5,6-Tetrachloro-m-Xylene	0	25-145	1,2,6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 13:29**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	8.5	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 03:51**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	58	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 04:06**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	290	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E2-1.5'	**15-08-1351-21-A**	**08/19/15 15:10**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 13:44**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	39	5.0	1.00	
4,4'-DDT	16	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E2-1.5'	**15-08-1351-21-A**	**08/19/15 15:10**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 17:04**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	510	100	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	111	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W1-2'	**15-08-1351-22-A**	**08/19/15 14:27**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:00**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	32	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W2-2'	**15-08-1351-23-A**	**08/19/15 14:28**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:15**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'	**15-08-1351-24-A**	**08/19/15 14:24**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:30**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	34	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'	**15-08-1351-24-A**	**08/19/15 14:24**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 21:54**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	200	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	115	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

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17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'D	**15-08-1351-25-A**	**08/19/15 14:24**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 14:45**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	9.2	5.1	1.00	
4,4'-DDT	ND	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	75	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'D	**15-08-1351-25-A**	**08/19/15 14:24**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 22:09**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	180	51	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S2-2'	**15-08-1351-26-A**	**08/19/15 14:26**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 15:01**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	24	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F1-3'	**15-08-1351-27-A**	**08/19/15 15:05**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:29**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F2-3'	**15-08-1351-28-A**	**08/19/15 15:06**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:43**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	22	5.0	1.00	
4,4'-DDT	5.8	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F2-3'	**15-08-1351-28-A**	**08/19/15 15:06**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 04:34**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	92	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	115	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F3-3'	**15-08-1351-29-A**	**08/19/15 15:04**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 14:57**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	19	5.0	1.00	
4,4'-DDE	26	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:12**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	34	5.0	1.00	
4,4'-DDT	7.0	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-1	**15-08-1351-36-A**	**08/19/15 09:21**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 22:23**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	270	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	110	24-168	
2,4,5,6-Tetrachloro-m-Xylene	108	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:26**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	165	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

REM-6-SS1-2	15-08-1351-37-A	08/19/15 09:21	Solid	GC 44	08/19/15	08/21/15 04:48	150819L07

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	190	25	5.00	
4,4'-DDT	33	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	132	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-SS1-2	**15-08-1351-37-A**	**08/19/15 09:21**	**Solid**	**GC 44**	**08/19/15**	**08/21/15 05:17**	**150819L07**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	720	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	216	24-168	1,2,7
2,4,5,6-Tetrachloro-m-Xylene	152	25-145	1,2,7

Method Blank	099-12-537-2220	N/A	Solid	GC 44	08/19/15	08/20/15 14:14	150819L07

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2219**	**N/A**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 10:57**	**150819L16**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	96	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-2S-W1-2'	**Sample**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 12:13**	**150819S16**
REM-5-2S-W1-2'	**Matrix Spike**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 17:50**	**150819S16**
REM-5-2S-W1-2'	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 18:05**	**150819S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	14.45	58	13.60	54	50-135	6	0-25	
Alpha-BHC	ND	25.00	14.42	58	13.38	54	50-135	7	0-25	
Beta-BHC	ND	25.00	14.36	57	14.16	57	50-135	1	0-25	
4,4'-DDD	ND	25.00	16.76	67	17.16	69	50-135	2	0-25	
4,4'-DDE	ND	25.00	23.70	95	21.68	87	50-135	9	0-25	
4,4'-DDT	ND	25.00	18.91	76	18.17	73	50-135	4	0-25	
Delta-BHC	ND	25.00	0.1500	1	17.60	70	50-135	197	0-25	3,4
Dieldrin	ND	25.00	16.35	65	16.84	67	50-135	3	0-25	
Endosulfan I	ND	25.00	15.91	64	15.95	64	50-135	0	0-25	
Endosulfan II	ND	25.00	17.43	70	17.86	71	50-135	2	0-25	
Endosulfan Sulfate	ND	25.00	17.34	69	17.45	70	50-135	1	0-25	
Endrin	ND	25.00	20.40	82	20.03	80	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	14.73	59	10.09	40	50-135	37	0-25	3,4
Gamma-BHC	ND	25.00	17.52	70	16.10	64	50-135	8	0-25	
Heptachlor	ND	25.00	0.08250	0	13.68	55	50-135	198	0-25	3,4
Heptachlor Epoxide	ND	25.00	14.67	59	14.79	59	50-135	1	0-25	
Methoxychlor	ND	25.00	20.73	83	20.06	80	50-135	3	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-0666-3	**Sample**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 16:09**	**150819S07**
15-08-0666-3	**Matrix Spike**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:40**	**150819S07**
15-08-0666-3	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 15:55**	**150819S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	16.37	65	16.88	68	50-135	3	0-25	
Alpha-BHC	ND	25.00	17.80	71	17.77	71	50-135	0	0-25	
Beta-BHC	ND	25.00	20.88	84	20.39	82	50-135	2	0-25	
4,4'-DDD	ND	25.00	28.03	112	27.33	109	50-135	3	0-25	
4,4'-DDE	ND	25.00	22.65	91	22.37	89	50-135	1	0-25	
4,4'-DDT	ND	25.00	11.43	46	10.58	42	50-135	8	0-25	3
Delta-BHC	ND	25.00	20.83	83	20.99	84	50-135	1	0-25	
Dieldrin	ND	25.00	20.01	80	19.68	79	50-135	2	0-25	
Endosulfan I	ND	25.00	16.59	66	16.76	67	50-135	1	0-25	
Endosulfan II	ND	25.00	21.69	87	19.81	79	50-135	9	0-25	
Endosulfan Sulfate	ND	25.00	20.73	83	21.34	85	50-135	3	0-25	
Endrin	ND	25.00	20.50	82	19.41	78	50-135	5	0-25	
Endrin Aldehyde	ND	25.00	7.646	31	4.706	19	50-135	48	0-25	3,4
Gamma-BHC	ND	25.00	19.50	78	18.95	76	50-135	3	0-25	
Heptachlor	ND	25.00	16.66	67	16.21	65	50-135	3	0-25	
Heptachlor Epoxide	ND	25.00	18.31	73	17.56	70	50-135	4	0-25	
Methoxychlor	ND	25.00	15.04	60	11.61	46	50-135	26	0-25	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2219	**LCS**	**Solid**	**GC 41**	**08/19/15**	**08/20/15 15:16**	**150819L16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	18.53	74	50-135	36-149	
Alpha-BHC	25.00	19.87	79	50-135	36-149	
Beta-BHC	25.00	17.64	71	50-135	36-149	
4,4'-DDD	25.00	20.04	80	50-135	36-149	
4,4'-DDE	25.00	19.57	78	50-135	36-149	
4,4'-DDT	25.00	25.02	100	50-135	36-149	
Delta-BHC	25.00	22.59	90	50-135	36-149	
Dieldrin	25.00	21.30	85	50-135	36-149	
Endosulfan I	25.00	19.26	77	50-135	36-149	
Endosulfan II	25.00	23.47	94	50-135	36-149	
Endosulfan Sulfate	25.00	23.98	96	50-135	36-149	
Endrin	25.00	22.76	91	50-135	36-149	
Endrin Aldehyde	25.00	22.02	88	50-135	36-149	
Gamma-BHC	25.00	22.85	91	50-135	36-149	
Heptachlor	25.00	19.90	80	50-135	36-149	
Heptachlor Epoxide	25.00	19.09	76	50-135	36-149	
Methoxychlor	25.00	27.95	112	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2220	**LCS**	**Solid**	**GC 44**	**08/19/15**	**08/20/15 16:23**	**150819L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	17.10	68	50-135	36-149	
Alpha-BHC	25.00	18.20	73	50-135	36-149	
Beta-BHC	25.00	19.13	77	50-135	36-149	
4,4'-DDD	25.00	21.02	84	50-135	36-149	
4,4'-DDE	25.00	19.80	79	50-135	36-149	
4,4'-DDT	25.00	17.07	68	50-135	36-149	
Delta-BHC	25.00	19.35	77	50-135	36-149	
Dieldrin	25.00	18.74	75	50-135	36-149	
Endosulfan I	25.00	17.13	69	50-135	36-149	
Endosulfan II	25.00	19.03	76	50-135	36-149	
Endosulfan Sulfate	25.00	19.91	80	50-135	36-149	
Endrin	25.00	19.89	80	50-135	36-149	
Endrin Aldehyde	25.00	14.58	58	50-135	36-149	
Gamma-BHC	25.00	19.59	78	50-135	36-149	
Heptachlor	25.00	18.37	73	50-135	36-149	
Heptachlor Epoxide	25.00	17.76	71	50-135	36-149	
Methoxychlor	25.00	17.39	70	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1351 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8081A	EPA 3545	421	GC 41	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8081A	EPA 3545	960	GC 44	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1351 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1351**

DATE: 8/19/15
PAGE: 1 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ~~☐ 24 HR~~ ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☑ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☑ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	ARSENIC	SULFIDE + SULFATE		
1	REM-3-S-N1-2'	8/19/15	1000	SOIL	1						X										X			X		
2	REM-3-S-E1-2'		1003								X															
3	REM-3-S-W1-2'		1006								X															
4	REM-3-S-S1-2'		1002								X															
5	REM-3-S-F-3'		1005								X															
6	REM-3-SS1-1		1009								X			X			X	X	X		X			X		
7	REM-3-SS1-2		1009								X			X			X	X	X		X			X		
8	REM-5-IS-N1-2'		0822								X															
9	REM-5-IS-E1-2'		0821								X															
10	REM-5-IS-W1-2'		0823								X															

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	EG	8/19/15	1618
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15

PAGE: 2 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
11	REM-5-15-S1-2'	8/19/15	0824	SOIL	1						X							X				
12	REM-5-15-F-3'		0825								X											
13	REM-5-25-N1-2'		1215								X							X				
14	REM-5-25-E1-2'		1217															X				
15	REM-5-25-W1-2'		1216															X				
16	REM-5-25-S1-2'		1218															X				
17	REM-5-25-F-3'		1219															X				
18	REM-5-35-N1-2'		1435								X							X	X			
19	REM-5-35-N2-1.5'		1515								X							X	X			
20	REM-5-35-E1-1.5'	↓	1505	↓	↓						X							X	X			

Relinquished by: (Signature) Tyler Ridyk	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 16:28
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15
PAGE: 3 OF 4

LABORATORY CLIENT: LEIGHTON CONSULTING
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 250 1421 E-MAIL: MWITHROW @ leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLH / TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
21	REM-5-3S-E2-1.5'	8/14/15	1510	SOIL	1						X							X	X						
22	REM-5-3S-W1-2'		1427								X							X	X						
23	REM-5-3S-W2-2'		1428								X							X	X						
24	REM-5-3S-S1-2'		1424								X							X	X						
25	REM-5-3S-S1-2'D		1424								X							X	X						
26	REM-5-3S-S2-2'		1426								X							X	X						
27	REM-5-3S-F1-3'		1505								X							X	X						
28	REM-5-3S-F2-3'		1506								X							X	X						
29	REM-5-3S-F3-3'		1504								X							X	X						

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 16:28
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 15-08-1351

Date 8/19/15

Page 4 of 4

LABORATORY CLIENT: Leighton Consulting Inc.

ADDRESS: 17781 Cowan

CITY: Irvine STATE: CA ZIP: 92614

TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

PROJECT CONTACT: Mark Withrow

CLIENT PROJECT NAME / NUMBER:

P.O. NO.: 603127015

SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME:
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
30	REM-6-S-N1-1.5	8/19/15	0918	SOIL	1						X												X			
31	REM-6-S-E1-1.5	"	0917	"	"						X															
32	REM-6-S-W1-1.5	"	0919	"	"						X															
33	REM-6-S-S1-1.5	"	0916	"	"						X															
34	REM-6-S-F-3	"	0920	"	"						X															
35	REM-6-S-F-3D	8/19/15	0920	"	"						X															
36	REM-6-SS1-1	"	0921	"	"						X			X			X	X	X		X		X			
37	REM-6-SS1-2	"	0921	"	"						X			X			X	X	X		X		X			

Relinquished by: (Signature) Tyler Ridyk	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 1628
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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WORK ORDER NUMBER: 15-08- 1351

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 19 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5 - 2 °C (w/ CF): 5 .0 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** ☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: SM

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Supplemental Report 2

Additional requested analyses are reported as a stand-alone report.

WORK ORDER NUMBER: 15-08-1351

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/24/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Contents

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Work Order Number: 15-08-1351

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/19/15. They were assigned to Work Order 15-08-1351.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N1-2'	**15-08-1351-18-A**	**08/19/15 14:35**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 21:54**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	6.38	0.490	0.980	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N2-1.5'	**15-08-1351-19-A**	**08/19/15 15:15**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:21**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	34.5	0.500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E1-1.5'	**15-08-1351-20-A**	**08/19/15 15:05**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:22**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	27.5	0.498	0.995	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E2-1.5'	**15-08-1351-21-A**	**08/19/15 15:10**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:23**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	23.7	0.524	1.05	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W1-2'	**15-08-1351-22-A**	**08/19/15 14:27**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:24**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	4.58	0.524	1.05	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-W2-2'	**15-08-1351-23-A**	**08/19/15 14:28**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:25**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	3.33	0.524	1.05	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'	**15-08-1351-24-A**	**08/19/15 14:24**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:26**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	11.3	0.498	0.995	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S1-2'D	**15-08-1351-25-A**	**08/19/15 14:24**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:30**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	12.1	0.526	1.05	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-S2-2'	**15-08-1351-26-A**	**08/19/15 14:26**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:31**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	12.9	0.490	0.980	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F1-3'	**15-08-1351-27-A**	**08/19/15 15:05**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:32**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	2.62	0.515	1.03	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F2-3'	**15-08-1351-28-A**	**08/19/15 15:06**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:33**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	3.50	0.481	0.962	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-F3-3'	**15-08-1351-29-A**	**08/19/15 15:04**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 22:34**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	4.09	0.495	0.990	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21642**	**N/A**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 21:50**	**150821L01**

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.500	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3050B
Method: EPA 6010B

Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-3S-N1-2'	**Sample**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 21:54**	**150821S01**
REM-5-3S-N1-2'	**Matrix Spike**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 21:55**	**150821S01**
REM-5-3S-N1-2'	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 21:57**	**150821S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	6.383	25.00	31.06	99	31.37	100	75-125	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21642	**LCS**	**Solid**	**ICP 7300**	**08/21/15**	**08/21/15 21:52**	**150821L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Lead	25.00	24.78	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1351 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	935	ICP 7300	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1351 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1351**

DATE: 8/19/15
PAGE: 1 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ~~☐ 24 HR~~ ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☑ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☑ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	ARSENIC	SULFIDE + SULFATE		
1	REM-3-S-N1-2'	8/19/15	1000	SOIL	1						X										X			X		
2	REM-3-S-E1-2'		1003								X															
3	REM-3-S-W1-2'		1006								X															
4	REM-3-S-S1-2'		1002								X															
5	REM-3-S-F-3'		1005								X															
6	REM-3-SS1-1		1009								X			X			X	X	X		X			X		
7	REM-3-SS1-2		1009								X			X			X	X	X		X			X		
8	REM-5-IS-N1-2'		0822								X															
9	REM-5-IS-E1-2'		0821								X															
10	REM-5-IS-W1-2'		0823								X															

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) EG	Date: 8/19/15	Time: 1618
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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15

PAGE: 2 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
11	REM-5-15-S1-2'	8/19/15	0824	SOIL	1						X											
12	REM-5-15-F-3'		0825								X											
13	REM-5-25-N1-2'		1215								X							X				
14	REM-5-25-E1-2'		1217															X				
15	REM-5-25-W1-2'		1216															X				
16	REM-5-25-S1-2'		1218															X				
17	REM-5-25-F-3'		1219															X				
18	REM-5-35-N1-2'		1435								X							X	X			
19	REM-5-35-N2-1.5'		1515								X							X	X			
20	REM-5-35-E1-1.5'	↓	1505	↓	↓						X							X	X			

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1	Tyler Ridyk		8/19/15	16:28
2			Date:	Time:
3			Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15
PAGE: 3 OF 4

LABORATORY CLIENT: LEIGHTON CONSULTING
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 250 1421 E-MAIL: MWITHROW@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLH / TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
21	REM-5-3S-E2-1.5'	8/14/15	1510	SOIL	1						X							X	X						
22	REM-5-3S-W1-2'		1427								X							X	X						
23	REM-5-3S-W2-2'		1428								X							X	X						
24	REM-5-3S-S1-2'		1424								X							X	X						
25	REM-5-3S-S1-2'D		1424								X							X	X						
26	REM-5-3S-S2-2'		1426								X							X	X						
27	REM-5-3S-F1-3'		1505								X							X	X						
28	REM-5-3S-F2-3'		1506								X							X	X						
29	REM-5-3S-F3-3'		1504								X							X	X						

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 16:28
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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 15-08-1351

Date: 8/19/15

Page: 4 of 4

LABORATORY CLIENT: Leighton Consulting Inc.

ADDRESS: 17781 Cowan

CITY: Irvine STATE: CA ZIP: 92614

TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

PROJECT CONTACT: Mark Withrow

CLIENT PROJECT NAME / NUMBER:

P.O. NO.: 603127015

SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
30	REM-6-S-N1-1.5	8/19/15	0918	Soil	1						X															
31	REM-6-S-E1-1.5	"	0917	"	"						X															
32	REM-6-S-W1-1.5	"	0919	"	"						X															
33	REM-6-S-S1-1.5	"	0916	"	"						X															
34	REM-6-S-F-3	"	0920	"	"						X															
35	REM-6-S-F-3D	8/19/15	0920	"	"						X															
36	REM-6-SS1-1	"	0921	"	"						X			X			X	X	X		X		X			
37	REM-6-SS1-2	"	0921	"	"						X			X			X	X	X		X		X			

Relinquished by: (Signature) Tyler Ridgl	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 1628
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
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DISTRIBUTION: White with final report, Green and Yellow to Client.
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WORK ORDER NUMBER: 15-08- 1351

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 19 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5 - 2 °C (w/ CF): 5 .0 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: SM

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Supplemental Report 3

Additional requested analyses are reported as a stand-alone report.

WORK ORDER NUMBER: 15-08-1351

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/25/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1351

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Work Order Narrative

Work Order: 15-08-1351 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/19/15. They were assigned to Work Order 15-08-1351.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-E1-2'	**15-08-1351-14-A**	**08/19/15 12:17**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 14:44**	**150824B01A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-W1-2'	**15-08-1351-15-A**	**08/19/15 12:16**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 15:01**	**150824B01A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	113	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-S1-2'	**15-08-1351-16-A**	**08/19/15 12:18**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 15:19**	**150824B01A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-2S-F-3'	**15-08-1351-17-A**	**08/19/15 12:19**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 15:37**	**150824B01A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/19/15
Work Order: 15-08-1351
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1730**	**N/A**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 13:35**	**150824B01A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.		Date Received:	08/19/15
17781 Cowan, Suite 140		Work Order:	15-08-1351
Irvine, CA 92614-6009		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: POLA SCIG / 603127015			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1584-1	**Sample**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 15:54**	**150824S01**
15-08-1584-1	**Matrix Spike**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 14:10**	**150824S01**
15-08-1584-1	**Matrix Spike Duplicate**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 14:27**	**150824S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	120.2	400.0	429.9	77	452.2	83	64-130	5	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/19/15
17781 Cowan, Suite 140	Work Order: 15-08-1351
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1730	**LCS**	**Solid**	**GC 47**	**08/24/15**	**08/24/15 13:53**	**150824B01A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	318.2	80	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1351 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3550B	682	GC 47	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1351 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1351**

DATE: 8/19/15
PAGE: 1 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	ARSENIC	SULFIDE + SULFATE		
1	REM-3-S-N1-2'	8/19/15	1000	SOIL	1						X										X			X		
2	REM-3-S-E1-2'		1003								X															
3	REM-3-S-W1-2'		1006								X															
4	REM-3-S-S1-2'		1002								X															
5	REM-3-S-F-3'		1005								X															
6	REM-3-SS1-1		1009								X			X			X	X	X		X			X		
7	REM-3-SS1-2		1009								X			X			X	X	X		X			X		
8	REM-5-IS-N1-2'		0822								X															
9	REM-5-IS-E1-2'		0821								X															
10	REM-5-IS-W1-2'		0823								X															

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	EG	8/19/15	1618
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

Revised

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15

PAGE: 2 OF 4

LABORATORY CLIENT: Leighton Consulting Inc.
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
11	REM-5-15-S1-2'	8/19/15	0824	SOIL	1						X							X							
12	REM-5-15-F-3'		0825								X							X							
13	REM-5-25-N1-2'		1215								X							X							
14	REM-5-25-E1-2'		1217															X							
15	REM-5-25-W1-2'		1216															X							
16	REM-5-25-S1-2'		1218															X							
17	REM-5-25-F-3'		1219															X							
18	REM-5-35-N1-2'		1435								X							X	X						
19	REM-5-35-N2-1.5'		1515								X							X	X						
20	REM-5-35-E1-1.5'		1505								X							X	X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridyk		8/19/15	16:28
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1351

DATE: 8/19/15
PAGE: 3 OF 4

LABORATORY CLIENT: LEIGHTON CONSULTING
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 250 1421 E-MAIL: MWITHROW @ leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLH / TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
21	REM-5-3S-E2-1.5'	8/14/15	1510	SOIL	1						X							X	X						
22	REM-5-3S-W1-2'		1427								X							X	X						
23	REM-5-3S-W2-2'		1428								X							X	X						
24	REM-5-3S-S1-2'		1424								X							X	X						
25	REM-5-3S-S1-2'D		1424								X							X	X						
26	REM-5-3S-S2-2'		1426								X							X	X						
27	REM-5-3S-F1-3'		1505								X							X	X						
28	REM-5-3S-F2-3'		1506								X							X	X						
29	REM-5-3S-F3-3'		1504								X							X	X						

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 16:28
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 15-08-1351

Date: 8/19/15

Page: 4 of 4

LABORATORY CLIENT: Leighton Consulting Inc.

ADDRESS: 17781 Cowan

CITY: Irvine STATE: CA ZIP: 92614

TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

PROJECT CONTACT: Mark Withrow

CLIENT PROJECT NAME / NUMBER:

P.O. NO.: 603127015

SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
30	REM-6-S-N1-1.5	8/19/15	0918	Soil	1						X															
31	REM-6-S-E1-1.5	"	0917	"	"						X															
32	REM-6-S-W1-1.5	"	0919	"	"						X															
33	REM-6-S-S1-1.5	"	0916	"	"						X															
34	REM-6-S-F-3	"	0920	"	"						X															
35	REM-6-S-F-3D	8/19/15	0920	"	"						X															
36	REM-6-SS1-1	"	0921	"	"						X			X			X	X	X		X		X			
37	REM-6-SS1-2	"	0921	"	"						X			X			X	X	X		X		X			

Relinquished by: (Signature) Tyler Ridyk	Received by: (Signature/Affiliation)	Date: 8/19/15	Time: 1628
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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WORK ORDER NUMBER: 15-08- 1351

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 19 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 5 - 2 °C (w/ CF): 5 .0 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: SM

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WORK ORDER NUMBER: 15-08-1449

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/21/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

nelac

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1449

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/20/15. They were assigned to Work Order 15-08-1449.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: N/A
Method: EPA 300.0
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 21:06**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	56	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 21:23**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	68	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 21:40**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	42	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 21:57**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	38	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 22:14**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	25	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 22:31**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	58	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 22:47**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	76	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-922-637**	**N/A**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 20:32**	**150820L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	ND	10	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: N/A
Method: EPA 376.2M
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	2.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	2.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.0	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	2.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	8.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.5	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	0.50	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-001-5501**	**N/A**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-N1-2.5	**15-08-1449-1-A**	**08/20/15 07:47**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 00:32**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	9.9	2.00	
C7	ND	9.9	2.00	
C8	ND	9.9	2.00	
C9-C10	28	9.9	2.00	
C11-C12	110	9.9	2.00	
C13-C14	240	9.9	2.00	
C15-C16	270	9.9	2.00	
C17-C18	380	9.9	2.00	
C19-C20	230	9.9	2.00	
C21-C22	120	9.9	2.00	
C23-C24	110	9.9	2.00	
C25-C28	90	9.9	2.00	
C29-C32	120	9.9	2.00	
C33-C36	76	9.9	2.00	
C37-C40	38	9.9	2.00	
C41-C44	22	9.9	2.00	
C6-C44 Total	1800	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	112	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-E1-2.5	**15-08-1449-2-A**	**08/20/15 07:52**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 00:51**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	18	5.0	1.00	
C11-C12	58	5.0	1.00	
C13-C14	96	5.0	1.00	
C15-C16	88	5.0	1.00	
C17-C18	93	5.0	1.00	
C19-C20	56	5.0	1.00	
C21-C22	27	5.0	1.00	
C23-C24	22	5.0	1.00	
C25-C28	30	5.0	1.00	
C29-C32	37	5.0	1.00	
C33-C36	29	5.0	1.00	
C37-C40	19	5.0	1.00	
C41-C44	13	5.0	1.00	
C6-C44 Total	590	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-W1-2.5	**15-08-1449-3-A**	**08/20/15 07:50**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 01:09**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	8.6	5.0	1.00	
C29-C32	20	5.0	1.00	
C33-C36	25	5.0	1.00	
C37-C40	22	5.0	1.00	
C41-C44	13	5.0	1.00	
C6-C44 Total	100	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-S1-2.5	**15-08-1449-4-A**	**08/20/15 07:49**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 01:27**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	10	5.0	1.00	
C13-C14	19	5.0	1.00	
C15-C16	18	5.0	1.00	
C17-C18	28	5.0	1.00	
C19-C20	12	5.0	1.00	
C21-C22	7.9	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	6.3	5.0	1.00	
C29-C32	10	5.0	1.00	
C33-C36	9.9	5.0	1.00	
C37-C40	7.4	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	130	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-F-3	**15-08-1449-5-A**	**08/20/15 07:55**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 01:45**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	56	50	10.0	
C13-C14	140	50	10.0	
C15-C16	150	50	10.0	
C17-C18	250	50	10.0	
C19-C20	170	50	10.0	
C21-C22	74	50	10.0	
C23-C24	83	50	10.0	
C25-C28	150	50	10.0	
C29-C32	330	50	10.0	
C33-C36	300	50	10.0	
C37-C40	310	50	10.0	
C41-C44	230	50	10.0	
C6-C44 Total	2200	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	116	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.		Date Received:	08/20/15
17781 Cowan, Suite 140		Work Order:	15-08-1449
Irvine, CA 92614-6009		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: POLA SCIG / 603127015			Page 6 of 30

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-F-3D	**15-08-1449-6-A**	**08/20/15 07:55**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 02:03**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	66	25	5.00	
C13-C14	130	25	5.00	
C15-C16	190	25	5.00	
C17-C18	170	25	5.00	
C19-C20	110	25	5.00	
C21-C22	71	25	5.00	
C23-C24	53	25	5.00	
C25-C28	86	25	5.00	
C29-C32	150	25	5.00	
C33-C36	180	25	5.00	
C37-C40	140	25	5.00	
C41-C44	120	25	5.00	
C6-C44 Total	1500	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	112	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 02:22**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	98	20.0	
C7	ND	98	20.0	
C8	ND	98	20.0	
C9-C10	ND	98	20.0	
C11-C12	ND	98	20.0	
C13-C14	ND	98	20.0	
C15-C16	ND	98	20.0	
C17-C18	ND	98	20.0	
C19-C20	ND	98	20.0	
C21-C22	ND	98	20.0	
C23-C24	ND	98	20.0	
C25-C28	98	98	20.0	
C29-C32	340	98	20.0	
C33-C36	440	98	20.0	
C37-C40	500	98	20.0	
C41-C44	420	98	20.0	
C6-C44 Total	2000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 02:40**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	8.2	5.0	1.00	
C13-C14	14	5.0	1.00	
C15-C16	20	5.0	1.00	
C17-C18	42	5.0	1.00	
C19-C20	33	5.0	1.00	
C21-C22	31	5.0	1.00	
C23-C24	28	5.0	1.00	
C25-C28	42	5.0	1.00	
C29-C32	69	5.0	1.00	
C33-C36	57	5.0	1.00	
C37-C40	53	5.0	1.00	
C41-C44	44	5.0	1.00	
C6-C44 Total	440	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N1-1.5	**15-08-1449-9-A**	**08/20/15 10:55**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 02:58**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	60	25	5.00	
C15-C16	100	25	5.00	
C17-C18	180	25	5.00	
C19-C20	220	25	5.00	
C21-C22	280	25	5.00	
C23-C24	330	25	5.00	
C25-C28	520	25	5.00	
C29-C32	510	25	5.00	
C33-C36	300	25	5.00	
C37-C40	180	25	5.00	
C41-C44	180	25	5.00	
C6-C44 Total	2900	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E1-1.5	**15-08-1449-10-A**	**08/20/15 10:56**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 10:56**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	46	25	5.00	
C15-C16	57	25	5.00	
C17-C18	140	25	5.00	
C19-C20	160	25	5.00	
C21-C22	160	25	5.00	
C23-C24	250	25	5.00	
C25-C28	210	25	5.00	
C29-C32	440	25	5.00	
C33-C36	150	25	5.00	
C37-C40	100	25	5.00	
C41-C44	77	25	5.00	
C6-C44 Total	1800	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	115	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-W1-2	**15-08-1449-11-A**	**08/20/15 10:58**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 03:53**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	11	4.9	1.00	
C37-C40	6.7	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	32	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-S1-2	**15-08-1449-12-A**	**08/20/15 10:57**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 04:11**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	5.4	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	9.6	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-F-3	**15-08-1449-13-A**	**08/20/15 10:59**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 04:29**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 04:47**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	ND	25	5.00	
C25-C28	ND	25	5.00	
C29-C32	67	25	5.00	
C33-C36	73	25	5.00	
C37-C40	85	25	5.00	
C41-C44	33	25	5.00	
C6-C44 Total	330	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	78	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 11:15**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	10.0	
C7	ND	49	10.0	
C8	ND	49	10.0	
C9-C10	ND	49	10.0	
C11-C12	51	49	10.0	
C13-C14	160	49	10.0	
C15-C16	210	49	10.0	
C17-C18	360	49	10.0	
C19-C20	360	49	10.0	
C21-C22	270	49	10.0	
C23-C24	400	49	10.0	
C25-C28	370	49	10.0	
C29-C32	570	49	10.0	
C33-C36	340	49	10.0	
C37-C40	200	49	10.0	
C41-C44	140	49	10.0	
C6-C44 Total	3500	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	114	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 05:24**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	78	25	5.00	
C13-C14	220	25	5.00	
C15-C16	280	25	5.00	
C17-C18	570	25	5.00	
C19-C20	440	25	5.00	
C21-C22	500	25	5.00	
C23-C24	520	25	5.00	
C25-C28	720	25	5.00	
C29-C32	800	25	5.00	
C33-C36	430	25	5.00	
C37-C40	350	25	5.00	
C41-C44	270	25	5.00	
C6-C44 Total	5200	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	123	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-1-S-N1-2'	**15-08-1449-17-A**	**08/20/15 11:34**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 05:42**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	7.3	5.0	1.00	
C33-C36	16	5.0	1.00	
C37-C40	14	5.0	1.00	
C41-C44	7.5	5.0	1.00	
C6-C44 Total	47	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-1-S-E1-2'	**15-08-1449-18-A**	**08/20/15 11:38**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 06:00**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	9.2	5.0	1.00	
C37-C40	9.4	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	21	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-1-S-W1-2'	**15-08-1449-19-A**	**08/20/15 11:35**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 06:19**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	9.0	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	17	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-1-S-S1-2'	**15-08-1449-20-A**	**08/20/15 11:37**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 06:37**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-1-S-F-3'	**15-08-1449-21-A**	**08/20/15 11:40**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 05:36**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	ND	25	5.00	
C15-C16	ND	25	5.00	
C17-C18	ND	25	5.00	
C19-C20	ND	25	5.00	
C21-C22	ND	25	5.00	
C23-C24	ND	25	5.00	
C25-C28	ND	25	5.00	
C29-C32	99	25	5.00	
C33-C36	59	25	5.00	
C37-C40	110	25	5.00	
C41-C44	ND	25	5.00	
C6-C44 Total	270	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-N1-2'	**15-08-1449-22-A**	**08/20/15 13:00**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 13:52**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-E1-2'	**15-08-1449-23-A**	**08/20/15 13:04**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 14:08**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-W1-2'	**15-08-1449-24-A**	**08/20/15 13:01**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 06:23**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-S1-2'	**15-08-1449-25-A**	**08/20/15 13:02**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 06:38**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-F-3	**15-08-1449-26-A**	**08/20/15 13:07**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 06:54**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 07:09**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 07:24**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	13	5.0	1.00	
C25-C28	14	5.0	1.00	
C29-C32	35	5.0	1.00	
C33-C36	28	5.0	1.00	
C37-C40	15	5.0	1.00	
C41-C44	16	5.0	1.00	
C6-C44 Total	120	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1724**	**N/A**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 01:12**	**150820B15A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1725**	**N/A**	**Solid**	**GC 45**	**08/20/15**	**08/20/15 23:19**	**150820B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	86	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:11**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.754	1.01	
Arsenic	15.4	0.754	1.01	
Barium	174	0.503	1.01	
Beryllium	0.301	0.251	1.01	
Cadmium	0.719	0.503	1.01	
Chromium	25.4	0.251	1.01	
Cobalt	9.69	0.251	1.01	
Copper	22.2	0.503	1.01	
Lead	24.0	0.503	1.01	
Molybdenum	ND	0.251	1.01	
Nickel	16.6	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	29.1	0.251	1.01	
Zinc	78.6	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:15**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.769	1.03	
Arsenic	4.19	0.769	1.03	
Barium	213	0.513	1.03	
Beryllium	0.406	0.256	1.03	
Cadmium	0.950	0.513	1.03	
Chromium	30.2	0.256	1.03	
Cobalt	14.5	0.256	1.03	
Copper	28.7	0.513	1.03	
Lead	11.5	0.513	1.03	
Molybdenum	ND	0.256	1.03	
Nickel	20.5	0.256	1.03	
Selenium	ND	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	40.2	0.256	1.03	
Zinc	80.2	1.03	1.03	

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:16**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.754	1.01	
Arsenic	ND	0.754	1.01	
Barium	122	0.503	1.01	
Beryllium	0.292	0.251	1.01	
Cadmium	0.704	0.503	1.01	
Chromium	19.3	0.251	1.01	
Cobalt	10.6	0.251	1.01	
Copper	18.6	0.503	1.01	
Lead	12.3	0.503	1.01	
Molybdenum	ND	0.251	1.01	
Nickel	15.0	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	29.3	0.251	1.01	
Zinc	56.4	1.01	1.01	

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Analytical Report

Leighton Consulting, Inc.
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Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:18**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.743	0.990	
Arsenic	2.44	0.743	0.990	
Barium	141	0.495	0.990	
Beryllium	2.31	0.248	0.990	
Cadmium	0.834	0.495	0.990	
Chromium	22.6	0.248	0.990	
Cobalt	11.1	0.248	0.990	
Copper	22.2	0.495	0.990	
Lead	21.1	0.495	0.990	
Molybdenum	0.890	0.248	0.990	
Nickel	17.2	0.248	0.990	
Selenium	ND	0.743	0.990	
Silver	ND	0.248	0.990	
Thallium	ND	0.743	0.990	
Vanadium	31.7	0.248	0.990	
Zinc	76.4	0.990	0.990	

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:23**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.761	1.02	
Arsenic	2.01	0.761	1.02	
Barium	148	0.508	1.02	
Beryllium	6.20	0.254	1.02	
Cadmium	0.957	0.508	1.02	
Chromium	24.9	0.254	1.02	
Cobalt	11.6	0.254	1.02	
Copper	23.9	0.508	1.02	
Lead	24.3	0.508	1.02	
Molybdenum	2.42	0.254	1.02	
Nickel	19.1	0.254	1.02	
Selenium	ND	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	33.1	0.254	1.02	
Zinc	88.7	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:24**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.725	0.966	
Arsenic	ND	0.725	0.966	
Barium	120	0.483	0.966	
Beryllium	0.327	0.242	0.966	
Cadmium	0.802	0.483	0.966	
Chromium	19.5	0.242	0.966	
Cobalt	11.3	0.242	0.966	
Copper	21.6	0.483	0.966	
Lead	7.05	0.483	0.966	
Molybdenum	ND	0.242	0.966	
Nickel	15.8	0.242	0.966	
Selenium	ND	0.725	0.966	
Silver	ND	0.242	0.966	
Thallium	ND	0.725	0.966	
Vanadium	31.2	0.242	0.966	
Zinc	72.7	0.966	0.966	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:26**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.765	1.02	
Arsenic	1.36	0.765	1.02	
Barium	129	0.510	1.02	
Beryllium	0.348	0.255	1.02	
Cadmium	0.872	0.510	1.02	
Chromium	20.5	0.255	1.02	
Cobalt	11.9	0.255	1.02	
Copper	30.0	0.510	1.02	
Lead	9.57	0.510	1.02	
Molybdenum	ND	0.255	1.02	
Nickel	16.7	0.255	1.02	
Selenium	ND	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	32.8	0.255	1.02	
Zinc	82.2	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21631**	**N/A**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 21:30**	**150820L07**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.735	0.980	
Arsenic	ND	0.735	0.980	
Barium	ND	0.490	0.980	
Beryllium	ND	0.245	0.980	
Cadmium	ND	0.490	0.980	
Chromium	ND	0.245	0.980	
Cobalt	ND	0.245	0.980	
Copper	ND	0.490	0.980	
Lead	ND	0.490	0.980	
Molybdenum	ND	0.245	0.980	
Nickel	ND	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	ND	0.245	0.980	
Zinc	ND	0.980	0.980	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:24**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:31**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0794	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:33**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:35**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:37**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	0.0974	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:40**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:42**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0877	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-1546**	**N/A**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:15**	**150820L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 12:18**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 12:37**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	119	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N1-1.5	**15-08-1449-9-A**	**08/20/15 10:55**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 12:54**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	51	1.00	
Aroclor-1221	ND	51	1.00	
Aroclor-1232	ND	51	1.00	
Aroclor-1242	ND	51	1.00	
Aroclor-1248	ND	51	1.00	
Aroclor-1254	310	51	1.00	
Aroclor-1260	ND	51	1.00	
Aroclor-1262	ND	51	1.00	
Aroclor-1268	ND	51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	119	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E1-1.5	**15-08-1449-10-A**	**08/20/15 10:56**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 13:12**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	220	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	125	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-W1-2	**15-08-1449-11-A**	**08/20/15 10:58**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 13:30**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-S1-2	**15-08-1449-12-A**	**08/20/15 10:57**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 13:48**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

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Analytical Report

Leighton Consulting, Inc.
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Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-F-3	**15-08-1449-13-A**	**08/20/15 10:59**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 14:06**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 14:24**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	118	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 14:42**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	87	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 15:00**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	51	1.00	
Aroclor-1221	ND	51	1.00	
Aroclor-1232	ND	51	1.00	
Aroclor-1242	ND	51	1.00	
Aroclor-1248	ND	51	1.00	
Aroclor-1254	170	51	1.00	
Aroclor-1260	ND	51	1.00	
Aroclor-1262	ND	51	1.00	
Aroclor-1268	ND	51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	116	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-1-S-F-3'	**15-08-1449-21-A**	**08/20/15 11:40**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 13:00**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	70	24-168	
2,4,5,6-Tetrachloro-m-Xylene	49	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-N1-2'	**15-08-1449-22-A**	**08/20/15 13:00**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 13:19**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	56	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-E1-2'	**15-08-1449-23-A**	**08/20/15 13:04**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 13:38**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	53	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-W1-2'	**15-08-1449-24-A**	**08/20/15 13:01**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 13:57**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	55	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-S1-2'	**15-08-1449-25-A**	**08/20/15 13:02**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 14:16**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	58	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-S-F-3	**15-08-1449-26-A**	**08/20/15 13:07**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 14:36**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	60	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 14:55**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	70	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**GC 31**	**08/20/15**	**08/21/15 15:14**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	460	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3379**	**N/A**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 12:01**	**150820L15**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 13:58**	**150820L16**

Comment(s): - The reporting limit is elevated resulting from matrix interference.

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	2.5	5.00	
Acenaphthylene	ND	2.5	5.00	
Aniline	ND	2.5	5.00	
Anthracene	ND	2.5	5.00	
Azobenzene	ND	2.5	5.00	
Benzidine	ND	50	5.00	
Benzo (a) Anthracene	ND	2.5	5.00	
Benzo (a) Pyrene	ND	2.5	5.00	
Benzo (b) Fluoranthene	ND	2.5	5.00	
Benzo (g,h,i) Perylene	ND	2.5	5.00	
Benzo (k) Fluoranthene	ND	2.5	5.00	
Benzoic Acid	ND	12	5.00	
Benzyl Alcohol	ND	2.5	5.00	
Bis(2-Chloroethoxy) Methane	ND	2.5	5.00	
Bis(2-Chloroethyl) Ether	ND	12	5.00	
Bis(2-Chloroisopropyl) Ether	ND	2.5	5.00	
Bis(2-Ethylhexyl) Phthalate	ND	2.5	5.00	
4-Bromophenyl-Phenyl Ether	ND	2.5	5.00	
Butyl Benzyl Phthalate	ND	2.5	5.00	
4-Chloro-3-Methylphenol	ND	2.5	5.00	
4-Chloroaniline	ND	2.5	5.00	
2-Chloronaphthalene	ND	2.5	5.00	
2-Chlorophenol	ND	2.5	5.00	
4-Chlorophenyl-Phenyl Ether	ND	2.5	5.00	
Chrysene	ND	2.5	5.00	
Di-n-Butyl Phthalate	ND	2.5	5.00	
Di-n-Octyl Phthalate	ND	2.5	5.00	
Dibenz (a,h) Anthracene	ND	2.5	5.00	
Dibenzofuran	ND	2.5	5.00	
1,2-Dichlorobenzene	ND	2.5	5.00	
1,3-Dichlorobenzene	ND	2.5	5.00	
1,4-Dichlorobenzene	ND	2.5	5.00	
3,3'-Dichlorobenzidine	ND	50	5.00	
2,4-Dichlorophenol	ND	2.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Diethyl Phthalate	ND	2.5	5.00	
Dimethyl Phthalate	ND	2.5	5.00	
2,4-Dimethylphenol	ND	2.5	5.00	
4,6-Dinitro-2-Methylphenol	ND	12	5.00	
2,4-Dinitrophenol	ND	12	5.00	
2,4-Dinitrotoluene	ND	2.5	5.00	
2,6-Dinitrotoluene	ND	2.5	5.00	
Fluoranthene	ND	2.5	5.00	
Fluorene	ND	2.5	5.00	
Hexachloro-1,3-Butadiene	ND	2.5	5.00	
Hexachlorobenzene	ND	2.5	5.00	
Hexachlorocyclopentadiene	ND	12	5.00	
Hexachloroethane	ND	2.5	5.00	
Indeno (1,2,3-c,d) Pyrene	ND	2.5	5.00	
Isophorone	ND	2.5	5.00	
2-Methylnaphthalene	ND	2.5	5.00	
1-Methylnaphthalene	ND	2.5	5.00	
2-Methylphenol	ND	2.5	5.00	
3/4-Methylphenol	ND	2.5	5.00	
N-Nitroso-di-n-propylamine	ND	2.5	5.00	
N-Nitrosodimethylamine	ND	2.5	5.00	
N-Nitrosodiphenylamine	ND	2.5	5.00	
Naphthalene	ND	2.5	5.00	
4-Nitroaniline	ND	2.5	5.00	
3-Nitroaniline	ND	2.5	5.00	
2-Nitroaniline	ND	2.5	5.00	
Nitrobenzene	ND	12	5.00	
4-Nitrophenol	ND	2.5	5.00	
2-Nitrophenol	ND	2.5	5.00	
Pentachlorophenol	ND	12	5.00	
Phenanthrene	ND	2.5	5.00	
Phenol	ND	2.5	5.00	
Pyrene	ND	2.5	5.00	
Pyridine	ND	2.5	5.00	
1,2,4-Trichlorobenzene	ND	2.5	5.00	
2,4,6-Trichlorophenol	ND	2.5	5.00	
2,4,5-Trichlorophenol	ND	2.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 3 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	85	27-120	
2-Fluorophenol	78	25-120	
Nitrobenzene-d5	69	33-123	
p-Terphenyl-d14	98	27-159	
Phenol-d6	89	26-122	
2,4,6-Tribromophenol	123	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 14:16**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	65	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 6 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	67	25-120	
Nitrobenzene-d5	55	33-123	
p-Terphenyl-d14	83	27-159	
Phenol-d6	78	26-122	
2,4,6-Tribromophenol	108	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 14:34**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	85	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 9 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	77	25-120	
Nitrobenzene-d5	71	33-123	
p-Terphenyl-d14	101	27-159	
Phenol-d6	84	26-122	
2,4,6-Tribromophenol	129	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 14:52**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	90	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 12 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	77	25-120	
Nitrobenzene-d5	72	33-123	
p-Terphenyl-d14	101	27-159	
Phenol-d6	86	26-122	
2,4,6-Tribromophenol	129	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 15:10**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	91	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 15 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	77	25-120	
Nitrobenzene-d5	72	33-123	
p-Terphenyl-d14	98	27-159	
Phenol-d6	85	26-122	
2,4,6-Tribromophenol	132	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 13:22**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	79	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 18 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	75	25-120	
Nitrobenzene-d5	71	33-123	
p-Terphenyl-d14	97	27-159	
Phenol-d6	84	26-122	
2,4,6-Tribromophenol	115	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 13:40**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	77	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 21 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	89	25-120	
Nitrobenzene-d5	74	33-123	
p-Terphenyl-d14	93	27-159	
Phenol-d6	102	26-122	
2,4,6-Tribromophenol	119	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-3373**	**N/A**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 11:11**	**150820L16**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	86	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 24 of 24

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	80	25-120	
Nitrobenzene-d5	84	33-123	
p-Terphenyl-d14	95	27-159	
Phenol-d6	81	26-122	
2,4,6-Tribromophenol	97	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 23:13**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**GC/MS BB**	**08/20/15**	**08/20/15 19:00**	**150820L031**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	60-132	
Dibromofluoromethane	86	63-141	
1,2-Dichloroethane-d4	62	62-146	
Toluene-d8	88	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 21:25**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	111	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 23:40**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	24	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	24	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.7	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	113	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC/MS Q**	**08/20/15**	**08/21/15 00:07**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	97	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**GC/MS Q**	**08/20/15**	**08/21/15 00:34**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 12 of 18

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	60-132	
Dibromofluoromethane	92	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**GC/MS Q**	**08/20/15**	**08/21/15 01:01**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 14 of 18

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	98	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-10062**	**N/A**	**Solid**	**GC/MS BB**	**08/20/15**	**08/20/15 10:38**	**150820L031**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	60-132	
Dibromofluoromethane	104	63-141	
1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-10065**	**N/A**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 20:30**	**150820L041**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	106	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	N/A
	Method:	EPA 300.0
Project: POLA SCIG / 603127015		Page 1 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-7-SS1-1	**Sample**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 21:06**	**150820S01P**
REM-7-SS1-1	**Matrix Spike**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 23:04**	**150820S01P**
REM-7-SS1-1	**Matrix Spike Duplicate**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 23:21**	**150820S01P**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	55.79	500.0	528.6	95	535.4	96	80-120	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)
Project: POLA SCIG / 603127015		Page 2 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-SS1-1	**Sample**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 04:47**	**150820S16**
REM-5-SS1-1	**Matrix Spike**	**Solid**	**GC 45**	**08/20/15**	**08/20/15 23:55**	**150820S16**
REM-5-SS1-1	**Matrix Spike Duplicate**	**Solid**	**GC 45**	**08/20/15**	**08/21/15 00:14**	**150820S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	334.3	400.0	682.5	87	795.2	115	64-130	15	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)
Project: POLA SCIG / 603127015		Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1416-26	**Sample**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 03:31**	**150820S15**
15-08-1416-26	**Matrix Spike**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 01:42**	**150820S15**
15-08-1416-26	**Matrix Spike Duplicate**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 01:58**	**150820S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	393.8	98	429.6	107	55-133	9	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-7-SS1-1	**Sample**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:11**	**150820S07**
REM-7-SS1-1	**Matrix Spike**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:12**	**150820S07**
REM-7-SS1-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 22:13**	**150820S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.608	22	6.748	27	50-115	18	0-20	3
Arsenic	15.45	25.00	40.31	99	42.28	107	75-125	5	0-20	
Barium	174.3	25.00	208.6	4X	200.1	4X	75-125	4X	0-20	Q
Beryllium	0.3013	25.00	27.65	109	28.58	113	75-125	3	0-20	
Cadmium	0.7192	25.00	26.13	102	26.82	104	75-125	3	0-20	
Chromium	25.40	25.00	54.37	116	53.97	114	75-125	1	0-20	
Cobalt	9.688	25.00	36.93	109	37.24	110	75-125	1	0-20	
Copper	22.23	25.00	49.07	107	52.59	121	75-125	7	0-20	
Lead	24.00	25.00	49.08	100	63.50	158	75-125	26	0-20	3,4
Molybdenum	ND	25.00	24.62	98	25.20	101	75-125	2	0-20	
Nickel	16.58	25.00	43.60	108	44.04	110	75-125	1	0-20	
Selenium	ND	25.00	21.97	88	23.51	94	75-125	7	0-20	
Silver	ND	12.50	13.59	109	13.91	111	75-125	2	0-20	
Thallium	ND	25.00	17.26	69	18.57	74	75-125	7	0-20	3
Vanadium	29.12	25.00	59.09	120	58.48	117	75-125	1	0-20	
Zinc	78.60	25.00	104.4	103	107.2	114	75-125	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/20/15
17781 Cowan, Suite 140	Work Order:	15-08-1449
Irvine, CA 92614-6009	Preparation:	EPA 7471A Total
	Method:	EPA 7471A
Project: POLA SCIG / 603127015		Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-7-SS1-1	**Sample**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:24**	**150820S04**
REM-7-SS1-1	**Matrix Spike**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:26**	**150820S04**
REM-7-SS1-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:29**	**150820S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8243	99	0.7799	93	71-137	6	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-4S-S1-2	**Sample**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 13:48**	**150820S15**
REM-5-4S-S1-2	**Matrix Spike**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 16:14**	**150820S15**
REM-5-4S-S1-2	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 16:32**	**150820S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	83.84	84	72.16	72	50-135	15	0-20	
Aroclor-1260	ND	100.0	96.72	97	81.80	82	50-135	17	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-4-SS1-1	**Sample**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 13:22**	**150820S16**
REM-4-SS1-1	**Matrix Spike**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 12:46**	**150820S16**
REM-4-SS1-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 13:04**	**150820S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	8.007	80	7.696	77	34-148	4	0-20	
Acenaphthylene	ND	10.00	7.911	79	7.663	77	53-120	3	0-20	
Butyl Benzyl Phthalate	ND	10.00	9.139	91	8.114	81	15-189	12	0-20	
4-Chloro-3-Methylphenol	ND	10.00	8.401	84	7.914	79	32-120	6	0-20	
2-Chlorophenol	ND	10.00	7.151	72	7.413	74	53-120	4	0-20	
1,4-Dichlorobenzene	ND	10.00	5.827	58	6.169	62	43-120	6	0-26	
Dimethyl Phthalate	ND	10.00	8.537	85	8.147	81	44-122	5	0-20	
2,4-Dinitrotoluene	ND	10.00	9.446	94	8.911	89	28-120	6	0-20	
Fluorene	ND	10.00	8.809	88	8.292	83	12-186	6	0-20	
N-Nitroso-di-n-propylamine	ND	10.00	6.423	64	6.737	67	38-140	5	0-20	
Naphthalene	ND	10.00	6.910	69	6.984	70	20-140	1	0-20	
4-Nitrophenol	ND	10.00	8.764	88	7.906	79	14-128	10	0-59	
Pentachlorophenol	ND	10.00	7.885	79	7.464	75	10-124	5	0-20	
Phenol	ND	10.00	7.032	70	7.313	73	22-124	4	0-20	
Pyrene	ND	10.00	8.919	89	8.068	81	31-169	10	0-20	
1,2,4-Trichlorobenzene	ND	10.00	7.218	72	7.360	74	56-120	2	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-SS1-1	**Sample**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 21:25**	**150820S017**
REM-5-SS1-1	**Matrix Spike**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 21:52**	**150820S017**
REM-5-SS1-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 22:19**	**150820S017**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	39.92	80	40.39	81	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	48.88	98	47.79	96	51-135	2	0-29	
Chlorobenzene	ND	50.00	40.36	81	40.27	81	57-123	0	0-20	
1,2-Dibromoethane	ND	50.00	47.06	94	46.86	94	64-124	0	0-20	
1,2-Dichlorobenzene	ND	50.00	37.76	76	36.65	73	35-131	3	0-25	
1,2-Dichloroethane	ND	50.00	51.71	103	51.66	103	80-120	0	0-20	
1,1-Dichloroethene	ND	50.00	43.60	87	43.03	86	47-143	1	0-25	
Ethylbenzene	ND	50.00	43.28	87	43.25	86	57-129	0	0-22	
Toluene	ND	50.00	42.23	84	41.23	82	63-123	2	0-20	
Trichloroethene	ND	50.00	49.52	99	49.36	99	44-158	0	0-20	
Vinyl Chloride	ND	50.00	34.55	69	34.93	70	49-139	1	0-47	
p/m-Xylene	ND	100.0	87.10	87	85.03	85	70-130	2	0-30	
o-Xylene	ND	50.00	41.75	83	42.41	85	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.61	95	46.73	93	57-123	2	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 5030C
Method: EPA 8260B

Project: POLA SCIG / 603127015

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1329-1	**Sample**	**Solid**	**GC/MS BB**	**08/19/15**	**08/20/15 11:35**	**150820S011**
15-08-1329-1	**Matrix Spike**	**Solid**	**GC/MS BB**	**08/19/15**	**08/20/15 12:04**	**150820S011**
15-08-1329-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS BB**	**08/19/15**	**08/20/15 12:33**	**150820S011**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.20	96	49.31	99	61-127	2	0-20	
Carbon Tetrachloride	ND	50.00	42.20	84	43.56	87	51-135	3	0-29	
Chlorobenzene	ND	50.00	44.75	90	46.25	92	57-123	3	0-20	
1,2-Dibromoethane	ND	50.00	46.16	92	46.99	94	64-124	2	0-20	
1,2-Dichlorobenzene	ND	50.00	45.39	91	45.43	91	35-131	0	0-25	
1,2-Dichloroethane	ND	50.00	46.18	92	46.41	93	80-120	1	0-20	
1,1-Dichloroethene	ND	50.00	45.09	90	46.09	92	47-143	2	0-25	
Ethylbenzene	ND	50.00	48.71	97	50.89	102	57-129	4	0-22	
Toluene	ND	50.00	48.79	98	48.32	97	63-123	1	0-20	
Trichloroethene	ND	50.00	48.65	97	49.10	98	44-158	1	0-20	
Vinyl Chloride	ND	50.00	44.79	90	51.42	103	49-139	14	0-47	
p/m-Xylene	ND	100.0	92.76	93	100.4	100	70-130	8	0-30	
o-Xylene	ND	50.00	46.15	92	48.68	97	70-130	5	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	45.49	91	44.27	89	57-123	3	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Leighton Consulting, Inc.		Date Received:	08/20/15
17781 Cowan, Suite 140		Work Order:	15-08-1449
Irvine, CA 92614-6009		Preparation:	N/A
		Method:	EPA 376.2M
Project: POLA SCIG / 603127015			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-08-1247-2	**Sample**	**Solid**	**N/A**	**08/20/15 00:00**	**08/20/15 19:54**	**F0820SD3**
15-08-1247-2	**Sample Duplicate**	**Solid**	**N/A**	**08/20/15 00:00**	**08/20/15 19:54**	**F0820SD3**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Sulfide, Total	0.5000	0.5000	0	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: N/A
	Method: EPA 300.0
Project: POLA SCIG / 603127015	Page 1 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-922-637	**LCS**	**Solid**	**IC 10**	**08/20/15**	**08/20/15 20:49**	**150820L01P**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	500.0	510.5	102	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: N/A
Method: EPA 376.2M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-001-5501	**LCS**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**
099-05-001-5501	**LCSD**	**Solid**	**N/A**	**08/20/15**	**08/20/15 19:54**	**F0820SL3**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfide, Total	5.000	4.250	85	4.000	80	80-120	6	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 3 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1725	**LCS**	**Solid**	**GC 45**	**08/20/15**	**08/20/15 23:37**	**150820B16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	393.5	98	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 4 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1724	**LCS**	**Solid**	**GC 48**	**08/20/15**	**08/21/15 01:27**	**150820B15A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	402.7	101	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21631	**LCS**	**Solid**	**ICP 7300**	**08/20/15**	**08/20/15 21:32**	**150820L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	23.64	95	80-120	73-127	
Arsenic	25.00	23.33	93	80-120	73-127	
Barium	25.00	25.71	103	80-120	73-127	
Beryllium	25.00	23.73	95	80-120	73-127	
Cadmium	25.00	24.51	98	80-120	73-127	
Chromium	25.00	25.21	101	80-120	73-127	
Cobalt	25.00	25.84	103	80-120	73-127	
Copper	25.00	25.19	101	80-120	73-127	
Lead	25.00	24.77	99	80-120	73-127	
Molybdenum	25.00	23.86	95	80-120	73-127	
Nickel	25.00	25.62	102	80-120	73-127	
Selenium	25.00	23.14	93	80-120	73-127	
Silver	12.50	12.27	98	80-120	73-127	
Thallium	25.00	24.86	99	80-120	73-127	
Vanadium	25.00	24.51	98	80-120	73-127	
Zinc	25.00	24.85	99	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: POLA SCIG / 603127015	Page 6 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-1546	**LCS**	**Solid**	**Mercury 05**	**08/20/15**	**08/20/15 20:17**	**150820L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8558	102	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8082
Project: POLA SCIG / 603127015	Page 7 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3379	**LCS**	**Solid**	**GC 58**	**08/20/15**	**08/21/15 15:56**	**150820L15**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	77.08	77	50-135	
Aroclor-1260	100.0	79.62	80	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8270C

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-549-3373	**LCS**	**Solid**	**GC/MS CCC**	**08/20/15**	**08/21/15 10:53**	**150820L16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	10.13	101	51-123	39-135	
Acenaphthylene	10.00	10.05	100	52-120	41-131	
Butyl Benzyl Phthalate	10.00	10.29	103	43-139	27-155	
4-Chloro-3-Methylphenol	10.00	10.11	101	55-121	44-132	
2-Chlorophenol	10.00	9.904	99	58-124	47-135	
1,4-Dichlorobenzene	10.00	9.118	91	42-132	27-147	
Dimethyl Phthalate	10.00	10.40	104	51-123	39-135	
2,4-Dinitrotoluene	10.00	11.24	112	51-129	38-142	
Fluorene	10.00	10.59	106	54-126	42-138	
N-Nitroso-di-n-propylamine	10.00	9.170	92	40-136	24-152	
Naphthalene	10.00	9.847	98	32-146	13-165	
4-Nitrophenol	10.00	9.669	97	24-126	7-143	
Pentachlorophenol	10.00	9.926	99	23-131	5-149	
Phenol	10.00	9.484	95	40-130	25-145	
Pyrene	10.00	10.11	101	47-143	31-159	
1,2,4-Trichlorobenzene	10.00	10.34	103	45-129	31-143	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: EPA 5030C
	Method: EPA 8260B
Project: POLA SCIG / 603127015	Page 9 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-10065	**LCS**	**Solid**	**GC/MS Q**	**08/20/15**	**08/20/15 19:36**	**150820L041**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	44.99	90	78-120	71-127	
Carbon Tetrachloride	50.00	50.97	102	49-139	34-154	
Chlorobenzene	50.00	48.09	96	79-120	72-127	
1,2-Dibromoethane	50.00	51.27	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.55	101	75-120	68-128	
1,2-Dichloroethane	50.00	54.75	110	80-120	73-127	
1,1-Dichloroethene	50.00	44.73	89	74-122	66-130	
Ethylbenzene	50.00	51.07	102	76-120	69-127	
Toluene	50.00	48.65	97	77-120	70-127	
Trichloroethene	50.00	50.94	102	80-120	73-127	
Vinyl Chloride	50.00	42.83	86	68-122	59-131	
p/m-Xylene	100.0	102.9	103	75-125	67-133	
o-Xylene	50.00	50.84	102	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.23	94	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/20/15
17781 Cowan, Suite 140	Work Order: 15-08-1449
Irvine, CA 92614-6009	Preparation: EPA 5030C
	Method: EPA 8260B
Project: POLA SCIG / 603127015	Page 10 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-10062	**LCS**	**Solid**	**GC/MS BB**	**08/20/15**	**08/20/15 09:33**	**150820L031**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.07	98	78-120	71-127	
Carbon Tetrachloride	50.00	43.28	87	49-139	34-154	
Chlorobenzene	50.00	46.62	93	79-120	72-127	
1,2-Dibromoethane	50.00	49.33	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	49.64	99	75-120	68-128	
1,2-Dichloroethane	50.00	45.90	92	80-120	73-127	
1,1-Dichloroethene	50.00	46.11	92	74-122	66-130	
Ethylbenzene	50.00	49.64	99	76-120	69-127	
Toluene	50.00	48.95	98	77-120	70-127	
Trichloroethene	50.00	48.30	97	80-120	73-127	
Vinyl Chloride	50.00	51.99	104	68-122	59-131	
p/m-Xylene	100.0	96.71	97	75-125	67-133	
o-Xylene	50.00	48.07	96	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.31	95	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1449 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	834	IC 10	1
EPA 376.2M	N/A	880	N/A	1
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3550B	682	GC 45	1
EPA 8015B (M)	EPA 3550B	972	GC 45	1
EPA 8015B (M)	EPA 3550B	974	GC 48	1
EPA 8082	EPA 3545	960	GC 31	1
EPA 8082	EPA 3545	960	GC 58	1
EPA 8260B	EPA 5030C	905	GC/MS Q	2
EPA 8260B	EPA 5030C	905	GC/MS BB	2
EPA 8270C	EPA 3545	923	GC/MS CCC	1

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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841
Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1449**

DATE: 8/20/15
PAGE: 1 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL.: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
1	REM-7-S-N1-2.5	8/20/15	7:47	soil	1						X												X			
2	REM-7-S-E1-2.5	↓	7:52	↓	↓						X															
3	REM-7-S-W1-2.5		7:50								X															
4	REM-7-S-S1-2.5		7:49								X															
5	REM-7-S-F-3		7:55								X															
6	REM-7-S~~F~~-3D		7:55								X															
7	REM-7-SS1-1		7:45								X			X			X	X	X		X		X			
8	REM-7-SS1-2		7:45								X			X			X	X	X		X		X			
9	REM-5-4S-N1-1.5		10:55								X							X	X							
10	REM-5-4S-E1-1.5	↓	10:56	↓	↓						X							X	X							

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) ECI	Date: 8/20/15	Time: 1511
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1449

DATE: 8/20/15
PAGE: 2 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
11	REM-5-45-W1-2	8/20/15	10:58	soil	1						X							X	X							
12	REM-5-45-S1-2		10:57								X							X	X							
13	REM-5-45-E-3		10:59								X							X	X							
14	REM-5-SS1-1		11:00								X			X			X	X	X		X		X			
15	REM-5-SS1-2		11:00								X			X			X	X	X		X		X			
16	REM-5-SS1-3		11:00								X			X			X	X	X		X		X			
17	REM-1-S-N1-2'		1134								X															
18	REM-1-S-E1-2'		1138								X															
19	REM-1-S-W1-2'		1135								X															
20	REM-1-S-S1-2'		1137								X															

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	ECI	8/20/15	1511
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1449

DATE: 8/20/15

PAGE: 3 OF 3

LABORATORY CLIENT: LEIGHTON CONSULTING
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 681 4211 E-MAIL: MWithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: MARK Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLM / TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfides + Sulfate			
21	REM-1-S-F-3'	8/20/15	1140	SOIL	1						X								X							
22	REM-4-S-N1-2'		1300								X								X							
23	REM-4-S-E1-2'		1304								X								X							
24	REM-4-S-W1-2'		1304								X								X							
25	REM-4-S-S1-2'		1302								X								X							
26	REM-4-S-F-3		1307								X								X							
27	REM-4-SS1-1		1305								X			X			X	X	X		X		X			
28	REM-4-SS1-2		1305								X			X			X	X	X		X		X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ryle	ECI	8/20/15	1511
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER NUMBER: 15-08- 1449

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 20 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.9 °C (w/ CF): 3.7 °C; ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: lof3

Reviewed by: 836

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Supplemental Report 1

WORK ORDER NUMBER: 15-08-1449

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/24/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

nelac

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1449

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/20/15. They were assigned to Work Order 15-08-1449.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-1	**15-08-1449-7-A**	**08/20/15 07:45**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 13:39**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	5.5	5.0	1.00	
4,4'-DDE	10	5.0	1.00	
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-SS1-2	**15-08-1449-8-A**	**08/20/15 07:45**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 13:54**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N1-1.5	**15-08-1449-9-A**	**08/20/15 10:55**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 14:08**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	102	25-145	

REM-5-4S-N1-1.5	15-08-1449-9-A	08/20/15 10:55	Solid	GC 44	08/20/15	08/22/15 16:03	150820L14

Parameter	Result	RL	DF	Qualifiers
4,4'-DDT	18	10	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	54	24-168	
2,4,5,6-Tetrachloro-m-Xylene	48	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N1-1.5	**15-08-1449-9-A**	**08/20/15 10:55**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 12:00**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	130	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	118	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N1-1.5	**15-08-1449-9-A**	**08/20/15 10:55**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 13:26**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	1900	510	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	144	24-168	
2,4,5,6-Tetrachloro-m-Xylene	147	25-145	1,2,7

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E1-1.5	**15-08-1449-10-A**	**08/20/15 10:56**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 14:22**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	10	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	116	24-168	
2,4,5,6-Tetrachloro-m-Xylene	107	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E1-1.5	**15-08-1449-10-A**	**08/20/15 10:56**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 12:14**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	130	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E1-1.5	**15-08-1449-10-A**	**08/20/15 10:56**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 13:40**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	980	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	128	24-168	
2,4,5,6-Tetrachloro-m-Xylene	123	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-W1-2	**15-08-1449-11-A**	**08/20/15 10:58**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 17:18**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-W1-2	**15-08-1449-11-A**	**08/20/15 10:58**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 12:29**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	38	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-W1-2	**15-08-1449-11-A**	**08/20/15 10:58**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 13:55**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	260	100	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-S1-2	**15-08-1449-12-A**	**08/20/15 10:57**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 17:32**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-S1-2	**15-08-1449-12-A**	**08/20/15 10:57**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 12:43**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	45	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-F-3	**15-08-1449-13-A**	**08/20/15 10:59**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 17:48**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 18:03**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	35	5.0	1.00	
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	121	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-1	**15-08-1449-14-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 12:57**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	460	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 18:17**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	19	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 13:12**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	56	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-2	**15-08-1449-15-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 14:09**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	350	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 18:31**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDT	8.9	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	110	24-168	
2,4,5,6-Tetrachloro-m-Xylene	103	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 14:23**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	68	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS1-3	**15-08-1449-16-A**	**08/20/15 11:00**	**Solid**	**GC 44**	**08/20/15**	**08/22/15 14:38**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	330	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-1	**15-08-1449-27-A**	**08/20/15 13:05**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 18:46**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-4-SS1-2	**15-08-1449-28-A**	**08/20/15 13:05**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 19:00**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	10	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2221**	**N/A**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 13:25**	**150820L14**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/20/15
Work Order: 15-08-1449
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-4S-S1-2	**Sample**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 17:32**	**150820S14**
REM-5-4S-S1-2	**Matrix Spike**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 19:15**	**150820S14**
REM-5-4S-S1-2	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 19:29**	**150820S14**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	17.04	68	17.43	70	50-135	2	0-25	
Alpha-BHC	ND	25.00	17.06	68	17.42	70	50-135	2	0-25	
Beta-BHC	ND	25.00	18.79	75	19.40	78	50-135	3	0-25	
4,4'-DDD	ND	25.00	26.27	105	27.34	109	50-135	4	0-25	
4,4'-DDE	45.08	25.00	72.22	109	71.28	105	50-135	1	0-25	
4,4'-DDT	ND	25.00	13.27	53	12.55	50	50-135	6	0-25	
Delta-BHC	ND	25.00	19.73	79	20.51	82	50-135	4	0-25	
Dieldrin	ND	25.00	19.00	76	19.81	79	50-135	4	0-25	
Endosulfan I	ND	25.00	17.54	70	18.58	74	50-135	6	0-25	
Endosulfan II	ND	25.00	19.86	79	20.31	81	50-135	2	0-25	
Endosulfan Sulfate	ND	25.00	20.67	83	21.21	85	50-135	3	0-25	
Endrin	ND	25.00	19.80	79	20.22	81	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	7.379	30	2.276	9	50-135	106	0-25	3,4
Gamma-BHC	ND	25.00	18.41	74	18.73	75	50-135	2	0-25	
Heptachlor	ND	25.00	16.08	64	16.33	65	50-135	2	0-25	
Heptachlor Epoxide	ND	25.00	19.39	78	19.81	79	50-135	2	0-25	
Methoxychlor	ND	25.00	15.19	61	14.60	58	50-135	4	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.		Date Received:	08/20/15
17781 Cowan, Suite 140		Work Order:	15-08-1449
Irvine, CA 92614-6009		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: POLA SCIG / 603127015			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2221	**LCS**	**Solid**	**GC 44**	**08/20/15**	**08/21/15 19:43**	**150820L14**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	15.51	62	50-135	36-149	
Alpha-BHC	25.00	16.38	66	50-135	36-149	
Beta-BHC	25.00	14.83	59	50-135	36-149	
4,4'-DDD	25.00	17.44	70	50-135	36-149	
4,4'-DDE	25.00	16.56	66	50-135	36-149	
4,4'-DDT	25.00	17.88	72	50-135	36-149	
Delta-BHC	25.00	16.13	65	50-135	36-149	
Dieldrin	25.00	16.77	67	50-135	36-149	
Endosulfan I	25.00	16.42	66	50-135	36-149	
Endosulfan II	25.00	17.41	70	50-135	36-149	
Endosulfan Sulfate	25.00	18.05	72	50-135	36-149	
Endrin	25.00	17.23	69	50-135	36-149	
Endrin Aldehyde	25.00	16.19	65	50-135	36-149	
Gamma-BHC	25.00	16.94	68	50-135	36-149	
Heptachlor	25.00	17.43	70	50-135	36-149	
Heptachlor Epoxide	25.00	16.04	64	50-135	36-149	
Methoxychlor	25.00	18.22	73	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1449 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8081A	EPA 3545	960	GC 44	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1449 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1449**

DATE: 8/20/15
PAGE: 1 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL.: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
1	REM-7-S-N1-2.5	8/20/15	7:47	soil	1						X												X			
2	REM-7-S-E1-2.5	↓	7:52	↓	↓						X															
3	REM-7-S-W1-2.5		7:50								X															
4	REM-7-S-S1-2.5		7:49								X															
5	REM-7-S-F-3		7:55								X															
6	REM-7-S~~F~~-3D		7:55								X															
7	REM-7-SS1-1		7:45								X			X			X	X	X		X		X			
8	REM-7-SS1-2		7:45								X			X			X	X	X		X		X			
9	REM-5-4S-N1-1.5		10:55								X							X	X							
10	REM-5-4S-E1-1.5	↓	10:56	↓	↓						X							X	X							

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	ECI	8/20/15	1511
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1449

DATE: 8/20/15
PAGE: 2 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 6031127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfide + Sulfate			
11	REM-5-45-W1-2	8/20/15	10:58	soil	1						X							X	X							
12	REM-5-45-S1-2		10:57								X							X	X							
13	REM-5-45-E-3		10:59								X							X	X							
14	REM-5-SS1-1		11:00								X			X			X	X	X		X		X			
15	REM-5-SS1-2		11:00								X			X			X	X	X		X		X			
16	REM-5-SS1-3		11:00								X			X			X	X	X		X		X			
17	REM-1-S-N1-2'		1134								X															
18	REM-1-S-E1-2'		1138								X															
19	REM-1-S-W1-2'		1135								X															
20	REM-1-S-S1-2'		1137								X															

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Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1449

DATE: 8/20/15

PAGE: 3 OF 3

LABORATORY CLIENT: LEIGHTON CONSULTING
ADDRESS: 17781 COWAN
CITY: IRVINE STATE: CA ZIP: 92614
TEL: 949 681 4211 E-MAIL: MWithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: MARK Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SLH / TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Sulfides + Sulfate			
21	REM-1-S-F-3'	8/20/15	1140	SOIL	1						X								X							
22	REM-4-S-N1-2'		1300								X								X							
23	REM-4-S-E1-2'		1304								X								X							
24	REM-4-S-W1-2'		1304								X								X							
25	REM-4-S-S1-2'		1302								X								X							
26	REM-4-S-F-3		1307								X								X							
27	REM-4-SS1-1		1305								X			X			X	X	X		X		X			
28	REM-4-SS1-2		1305								X			X			X	X	X		X		X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridge	ECI	8/20/15	1511
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER NUMBER: 15-08- 1449

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 20 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.9 °C (w/ CF): 3.7 °C; ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1013

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1013

Reviewed by: 836

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WORK ORDER NUMBER: 15-08-1831

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/27/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

nelac

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1831

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/26/15. They were assigned to Work Order 15-08-1831.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 01:17**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	9.1	5.0	1.00	
C17-C18	14	5.0	1.00	
C19-C20	22	5.0	1.00	
C21-C22	34	5.0	1.00	
C23-C24	36	5.0	1.00	
C25-C28	66	5.0	1.00	
C29-C32	78	5.0	1.00	
C33-C36	52	5.0	1.00	
C37-C40	34	5.0	1.00	
C41-C44	34	5.0	1.00	
C6-C44 Total	380	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E3-2	**15-08-1831-2-A**	**08/26/15 09:53**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 00:06**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 00:41**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	5.5	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	5.8	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	23	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E4-2	**15-08-1831-4-A**	**08/26/15 09:56**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 22:55**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W1-1.5	**15-08-1831-5-A**	**08/26/15 10:24**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 00:23**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	7.5	5.1	1.00	
C17-C18	9.2	5.1	1.00	
C19-C20	11	5.1	1.00	
C21-C22	12	5.1	1.00	
C23-C24	12	5.1	1.00	
C25-C28	20	5.1	1.00	
C29-C32	25	5.1	1.00	
C33-C36	14	5.1	1.00	
C37-C40	7.8	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	120	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	83	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W3-2	**15-08-1831-6-A**	**08/26/15 10:25**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 23:13**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	62	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 09:43**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	130	25.0	
C7	ND	130	25.0	
C8	ND	130	25.0	
C9-C10	ND	130	25.0	
C11-C12	440	130	25.0	
C13-C14	1700	130	25.0	
C15-C16	3000	130	25.0	
C17-C18	2400	130	25.0	
C19-C20	1500	130	25.0	
C21-C22	640	130	25.0	
C23-C24	310	130	25.0	
C25-C28	670	130	25.0	
C29-C32	990	130	25.0	
C33-C36	770	130	25.0	
C37-C40	630	130	25.0	
C41-C44	280	130	25.0	
C6-C44 Total	13000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	116	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2	**15-08-1831-8-A**	**08/26/15 10:28**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 23:30**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	9.6	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2-D	**15-08-1831-9-A**	**08/26/15 10:28**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 23:48**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	7.0	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N1-1.5	**15-08-1831-10-A**	**08/26/15 11:29**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 01:34**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	69	5.0	1.00	
C17-C18	82	5.0	1.00	
C19-C20	67	5.0	1.00	
C21-C22	49	5.0	1.00	
C23-C24	33	5.0	1.00	
C25-C28	63	5.0	1.00	
C29-C32	88	5.0	1.00	
C33-C36	87	5.0	1.00	
C37-C40	43	5.0	1.00	
C41-C44	50	5.0	1.00	
C6-C44 Total	630	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N2-2	**15-08-1831-11-A**	**08/26/15 11:30**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 02:10**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	8.4	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	9.8	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S1-1.5	**15-08-1831-12-A**	**08/26/15 14:43**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 03:56**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	6.5	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	18	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S3-2	**15-08-1831-13-A**	**08/26/15 14:44**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 02:27**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 04:48**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	6.2	5.0	1.00	
C15-C16	29	5.0	1.00	
C17-C18	43	5.0	1.00	
C19-C20	59	5.0	1.00	
C21-C22	52	5.0	1.00	
C23-C24	43	5.0	1.00	
C25-C28	70	5.0	1.00	
C29-C32	98	5.0	1.00	
C33-C36	67	5.0	1.00	
C37-C40	49	5.0	1.00	
C41-C44	37	5.0	1.00	
C6-C44 Total	550	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S4-2	**15-08-1831-15-A**	**08/26/15 14:43**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 02:45**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F1-3	**15-08-1831-16-A**	**08/26/15 14:47**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 04:31**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	12	5.0	1.00	
C19-C20	9.4	5.0	1.00	
C21-C22	8.7	5.0	1.00	
C23-C24	6.5	5.0	1.00	
C25-C28	17	5.0	1.00	
C29-C32	22	5.0	1.00	
C33-C36	18	5.0	1.00	
C37-C40	12	5.0	1.00	
C41-C44	8.1	5.0	1.00	
C6-C44 Total	110	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F2-3	**15-08-1831-17-A**	**08/26/15 14:48**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 03:03**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F3-3	**15-08-1831-18-A**	**08/26/15 14:49**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 04:14**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	15	4.9	1.00	
C19-C20	8.2	4.9	1.00	
C21-C22	6.9	4.9	1.00	
C23-C24	6.1	4.9	1.00	
C25-C28	13	4.9	1.00	
C29-C32	20	4.9	1.00	
C33-C36	16	4.9	1.00	
C37-C40	15	4.9	1.00	
C41-C44	7.4	4.9	1.00	
C6-C44 Total	110	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3	**15-08-1831-19-A**	**08/26/15 14:50**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 03:21**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-E3-2	**15-08-1831-20-A**	**08/26/15 12:02**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 03:38**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-6-S-S3-2	**15-08-1831-21-A**	**08/26/15 12:00**	**Solid**	**GC 45**	**08/26/15**	**08/26/15 23:57**	**150826B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3-D	**15-08-1831-22-A**	**08/26/15 14:50**	**Solid**	**GC 45**	**08/26/15**	**08/27/15 00:16**	**150826B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1736**	**N/A**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 21:45**	**150826B08**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	92	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1737**	**N/A**	**Solid**	**GC 45**	**08/26/15**	**08/26/15 22:44**	**150826B09**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:35**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	30.0	0.505	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E3-2	**15-08-1831-2-A**	**08/26/15 09:53**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:37**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	11.8	0.505	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:38**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	20.0	0.510	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E4-2	**15-08-1831-4-A**	**08/26/15 09:56**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:39**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	9.67	0.483	0.966	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W1-1.5	**15-08-1831-5-A**	**08/26/15 10:24**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:40**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	22.6	0.508	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W3-2	**15-08-1831-6-A**	**08/26/15 10:25**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:40**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	5.89	0.503	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:43**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	26.4	0.478	0.957	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2	**15-08-1831-8-A**	**08/26/15 10:28**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:43**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	6.34	0.495	0.990	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2-D	**15-08-1831-9-A**	**08/26/15 10:28**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:44**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	8.59	0.505	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N1-1.5	**15-08-1831-10-A**	**08/26/15 11:29**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:45**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	29.1	0.490	0.980	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N2-2	**15-08-1831-11-A**	**08/26/15 11:30**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:45**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	4.75	0.485	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S1-1.5	**15-08-1831-12-A**	**08/26/15 14:43**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:46**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	20.8	0.503	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S3-2	**15-08-1831-13-A**	**08/26/15 14:44**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:47**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	8.41	0.495	0.990	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:47**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	25.0	0.513	1.03	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S4-2	**15-08-1831-15-A**	**08/26/15 14:43**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:48**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	8.64	0.513	1.03	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F1-3	**15-08-1831-16-A**	**08/26/15 14:47**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:49**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	16.8	0.503	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F2-3	**15-08-1831-17-A**	**08/26/15 14:48**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:51**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	3.62	0.498	0.995	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F3-3	**15-08-1831-18-A**	**08/26/15 14:49**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:52**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	6.30	0.500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3	**15-08-1831-19-A**	**08/26/15 14:50**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:53**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	2.44	0.508	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3-D	**15-08-1831-22-A**	**08/26/15 14:50**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:55**	**150826L01**

Parameter	Result	RL	DF	Qualifiers
Lead	2.19	0.495	0.990	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21661**	**N/A**	**Solid**	**ICP 7300**	**08/26/15**	**08/26/15 15:05**	**150826L01**

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.498	0.995	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21672**	**N/A**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:34**	**150826L03**

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 13:19**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	87	5.0	1.00	E
4,4'-DDE	800	5.0	1.00	E
4,4'-DDT	120	5.0	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E3-2	**15-08-1831-2-A**	**08/26/15 09:53**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 13:33**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	500	5.0	1.00	E
4,4'-DDT	20	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 13:48**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	35	5.0	1.00	
4,4'-DDE	720	5.0	1.00	E
4,4'-DDT	170	5.0	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E4-2	**15-08-1831-4-A**	**08/26/15 09:56**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 14:02**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	9.6	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W1-1.5	**15-08-1831-5-A**	**08/26/15 10:24**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 14:16**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	230	5.0	1.00	E
4,4'-DDE	770	5.0	1.00	E
4,4'-DDT	20	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W3-2	**15-08-1831-6-A**	**08/26/15 10:25**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:16**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	160	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:32**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	310	5.0	1.00	E
4,4'-DDE	820	5.0	1.00	E
4,4'-DDT	60	5.0	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	12	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	31	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2	**15-08-1831-8-A**	**08/26/15 10:28**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:47**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	69	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2-D	**15-08-1831-9-A**	**08/26/15 10:28**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 15:02**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	30	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	32	24-168	
2,4,5,6-Tetrachloro-m-Xylene	32	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N1-1.5	**15-08-1831-10-A**	**08/26/15 11:29**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 15:17**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	82	5.0	1.00	E
4,4'-DDE	260	5.0	1.00	E
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N2-2	**15-08-1831-11-A**	**08/26/15 11:30**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 11:42**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S1-1.5	**15-08-1831-12-A**	**08/26/15 14:43**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 11:57**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	34	5.0	1.00	
4,4'-DDE	850	5.0	1.00	E
4,4'-DDT	92	5.0	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S3-2	**15-08-1831-13-A**	**08/26/15 14:44**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:12**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	40	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	56	24-168	
2,4,5,6-Tetrachloro-m-Xylene	58	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:28**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	150	5.0	1.00	E
4,4'-DDE	840	5.0	1.00	E
4,4'-DDT	25	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	5.8	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S4-2	**15-08-1831-15-A**	**08/26/15 14:43**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:43**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	250	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F1-3	**15-08-1831-16-A**	**08/26/15 14:47**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:58**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	36	5.0	1.00	
4,4'-DDE	120	5.0	1.00	E
4,4'-DDT	26	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F2-3	**15-08-1831-17-A**	**08/26/15 14:48**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:13**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	65	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F3-3	**15-08-1831-18-A**	**08/26/15 14:49**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:29**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	63	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	19	24-168	2,6
2,4,5,6-Tetrachloro-m-Xylene	24	25-145	2,6

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3	**15-08-1831-19-A**	**08/26/15 14:50**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:44**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

PRELIMINARY REPORT

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3-D	**15-08-1831-22-A**	**08/26/15 14:50**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:59**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2236**	**N/A**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 11:27**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

PRELIMINARY REPORT

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 11:16**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E3-2	**15-08-1831-2-A**	**08/26/15 09:53**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 11:35**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 11:54**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E4-2	**15-08-1831-4-A**	**08/26/15 09:56**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 12:14**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W1-1.5	**15-08-1831-5-A**	**08/26/15 10:24**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 12:33**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W3-2	**15-08-1831-6-A**	**08/26/15 10:25**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 12:52**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**GC 58**	**08/26/15**	**08/27/15 15:05**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	330	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2	**15-08-1831-8-A**	**08/26/15 10:28**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 13:30**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2-D	**15-08-1831-9-A**	**08/26/15 10:28**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 13:49**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	33	24-168	
2,4,5,6-Tetrachloro-m-Xylene	33	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N1-1.5	**15-08-1831-10-A**	**08/26/15 11:29**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 14:08**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	78	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N2-2	**15-08-1831-11-A**	**08/26/15 11:30**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 14:27**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S1-1.5	**15-08-1831-12-A**	**08/26/15 14:43**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 14:46**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S3-2	**15-08-1831-13-A**	**08/26/15 14:44**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 15:06**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	24-168	
2,4,5,6-Tetrachloro-m-Xylene	58	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 15:25**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	112	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S4-2	**15-08-1831-15-A**	**08/26/15 14:43**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 15:44**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F1-3	**15-08-1831-16-A**	**08/26/15 14:47**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 16:03**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F2-3	**15-08-1831-17-A**	**08/26/15 14:48**	**Solid**	**GC 58**	**08/26/15**	**08/27/15 11:56**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F3-3	**15-08-1831-18-A**	**08/26/15 14:49**	**Solid**	**GC 58**	**08/26/15**	**08/27/15 12:14**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	23	24-168	2,6
2,4,5,6-Tetrachloro-m-Xylene	25	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3	**15-08-1831-19-A**	**08/26/15 14:50**	**Solid**	**GC 58**	**08/26/15**	**08/27/15 12:33**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3-D	**15-08-1831-22-A**	**08/26/15 14:50**	**Solid**	**GC 58**	**08/26/15**	**08/27/15 12:51**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3387**	**N/A**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 10:57**	**150826L07**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-6-S-S3-2	**Sample**	**Solid**	**GC 45**	**08/26/15**	**08/26/15 23:57**	**150826S09**
REM-6-S-S3-2	**Matrix Spike**	**Solid**	**GC 45**	**08/26/15**	**08/26/15 23:21**	**150826S09**
REM-6-S-S3-2	**Matrix Spike Duplicate**	**Solid**	**GC 45**	**08/26/15**	**08/26/15 23:39**	**150826S09**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	428.4	107	446.7	112	64-130	4	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/26/15
17781 Cowan, Suite 140	Work Order:	15-08-1831
Irvine, CA 92614-6009	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)
Project: POLA SCIG / 603127015		Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-5S-E3-2	**Sample**	**Solid**	**GC 46**	**08/26/15**	**08/27/15 00:06**	**150826S08**
REM-5-5S-E3-2	**Matrix Spike**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 22:20**	**150826S08**
REM-5-5S-E3-2	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 22:37**	**150826S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	409.8	102	433.8	108	64-130	6	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1787-1	**Sample**	**Solid**	**ICP 7300**	**08/26/15**	**08/26/15 15:22**	**150826S01**
15-08-1787-1	**Matrix Spike**	**Solid**	**ICP 7300**	**08/26/15**	**08/26/15 15:24**	**150826S01**
15-08-1787-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/26/15**	**08/26/15 15:29**	**150826S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	9.410	25.00	35.47	104	36.41	108	75-125	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/26/15
17781 Cowan, Suite 140	Work Order:	15-08-1831
Irvine, CA 92614-6009	Preparation:	EPA 3050B
	Method:	EPA 6010B
Project: POLA SCIG / 603127015		Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-5S-E1-1.5	**Sample**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:35**	**150826S03**
REM-5-5S-E1-1.5	**Matrix Spike**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:36**	**150826S03**
REM-5-5S-E1-1.5	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:37**	**150826S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	29.97	25.00	55.23	101	55.30	101	75-125	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-5S-W3-2	**Sample**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 12:52**	**150826S07**
REM-5-5S-W3-2	**Matrix Spike**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 16:22**	**150826S07**
REM-5-5S-W3-2	**Matrix Spike Duplicate**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 16:41**	**150826S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	60.46	60	66.52	67	50-135	10	0-20	
Aroclor-1260	ND	100.0	64.66	65	67.46	67	50-135	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1737	**LCS**	**Solid**	**GC 45**	**08/26/15**	**08/26/15 23:02**	**150826B09**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	437.1	109	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1736	**LCS**	**Solid**	**GC 46**	**08/26/15**	**08/26/15 22:02**	**150826B08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	448.4	112	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21661	**LCS**	**Solid**	**ICP 7300**	**08/26/15**	**08/26/15 15:07**	**150826L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Lead	25.00	25.74	103	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21672	**LCS**	**Solid**	**ICP 7300**	**08/26/15**	**08/27/15 11:35**	**150826L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Lead	25.00	26.54	106	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8082
Project: POLA SCIG / 603127015	Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3387	**LCS**	**Solid**	**GC 31**	**08/26/15**	**08/27/15 10:38**	**150826L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	77.70	78	50-135	
Aroclor-1260	100.0	76.42	76	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1831 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 8015B (M)	EPA 3550B	682	GC 45	1
EPA 8015B (M)	EPA 3550B	682	GC 46	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8082	EPA 3545	421	GC 31	1
EPA 8082	EPA 3545	421	GC 58	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1831 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1831**

DATE: 8/26/15
PAGE: 1 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 6031270 15
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead			
1	REM-5-5S-E1-2.5	8/26/15	9:52	SOIL	1						X							X	X				X			
2	REM-5-5S-E3-2	"	9:53	"	"						X							X	X				X			
3	REM-5-5S-E2-1.5		9:55								X							X	X				X			
4	REM-5-5S-E1-2		9:56								X							X	X				X			
5	REM-5-5S-W1-1.5		10:24								X							X	X				X			
6	REM-5-5S-W3-2		10:25								X							X	X				X			
7	REM-5-5S-W2-1.5		10:27								X							X	X				X			
8	REM-5-5S-W4-2		10:28								X							X	X				X			
9	REM-5-5S-W4-2-D		10:28								X							X	X				X			
10	REM-5-5S-N1-1.5	↓	1129	↓	↓						X							X	X				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridyl	Damayle EZ	8/26/15	15:57
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1831

DATE: 8/26/15
PAGE: 2 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 6031127015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead			
11	REM-5-SS-N2-2 (TR)	8/26/15	1130	SOIL	2						X							X	X				X			
12	REM-5-SS-S1-1.5		1443								X							X	X				X			
13	REM5-SS-S3-2		1444								X							X	X				X			
14	REM-5-SS-S2-1.5		1446								X							X	X				X			
15	REM-5-SS-SH-2		[redacted]	1443 (TR)							X							X	X				X			
16	REM-5-SS-F1-3		1447								X							X	X				X			
17	REM-5-SS-F2-3		1448								X							X	X				X			
18	REM-5-SS-F3-3		1449								X							X	X				X			
19	REM-5-SS-F4-3		1450								X							X	X				X			
20	REM-6-S-E3-2	↓	1202	↓	↓						X															

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridyl	Pamyla CCL	8/26/15	15:57
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1831

DATE: 8/26/15
PAGE: 3 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead			
21	REM-6-S-S3-2	8/26/15	1200	Soil	1						X												X			
22	REM-5-SS-F4-3	D	1450		1						X							X	X				X			

Relinquished by: (Signature) Tyler Ridle
Received by: (Signature/Affiliation) Dannyle EL2 Date: 8/26/15 Time: 15:57
Relinquished by: (Signature)
Received by: (Signature/Affiliation) Date: Time:
Relinquished by: (Signature)
Received by: (Signature/Affiliation) Date: Time:

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2015-05-13 Revision

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WORK ORDER NUMBER: 15-08- 1831

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 26 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.8 °C (w/ CF): 4.6 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 689

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 689

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 689

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 689

Reviewed by: 8M

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Supplemental Report 1

WORK ORDER NUMBER: 15-08-1831

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/28/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

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Work Order Number: 15-08-1831

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/26/15. They were assigned to Work Order 15-08-1831.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 13:19**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 05:31**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	73	50	10.0	
4,4'-DDT	130	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	111	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E1-1.5	**15-08-1831-1-A**	**08/26/15 09:52**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 20:11**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	420	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	139	24-168	
2,4,5,6-Tetrachloro-m-Xylene	123	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E3-2	**15-08-1831-2-A**	**08/26/15 09:53**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 13:33**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	20	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E3-2	**15-08-1831-2-A**	**08/26/15 09:53**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 20:26**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	320	100	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	125	24-168	
2,4,5,6-Tetrachloro-m-Xylene	108	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 13:48**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	35	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 05:47**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDT	190	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	112	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E2-1.5	**15-08-1831-3-A**	**08/26/15 09:55**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 20:41**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	1100	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	126	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-E4-2	**15-08-1831-4-A**	**08/26/15 09:56**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 14:02**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	9.6	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W1-1.5	**15-08-1831-5-A**	**08/26/15 10:24**	**Solid**	**GC 44**	**08/26/15**	**08/27/15 14:16**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	20	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

REM-5-5S-W1-1.5	15-08-1831-5-A	08/26/15 10:24	Solid	GC 41	08/26/15	08/28/15 06:02	150826L08

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	170	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W1-1.5	**15-08-1831-5-A**	**08/26/15 10:24**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 20:56**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	1800	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	143	24-168	
2,4,5,6-Tetrachloro-m-Xylene	117	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W3-2	**15-08-1831-6-A**	**08/26/15 10:25**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:16**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W3-2	**15-08-1831-6-A**	**08/26/15 10:25**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 21:11**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	150	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:32**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 06:17**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDT	39	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	62	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W2-1.5	**15-08-1831-7-A**	**08/26/15 10:27**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 06:32**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	330	250	50.0	
4,4'-DDE	1700	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
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Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2	**15-08-1831-8-A**	**08/26/15 10:28**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:47**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2	**15-08-1831-8-A**	**08/26/15 10:28**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 21:26**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	67	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-W4-2-D	**15-08-1831-9-A**	**08/26/15 10:28**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 15:02**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	30	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	32	24-168	
2,4,5,6-Tetrachloro-m-Xylene	32	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N1-1.5	**15-08-1831-10-A**	**08/26/15 11:29**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 15:17**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	12	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	77	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N1-1.5	**15-08-1831-10-A**	**08/26/15 11:29**	**Solid**	**GC 44**	**08/26/15**	**08/28/15 15:49**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	66	50	10.0	
4,4'-DDE	240	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	0	24-168	1,2,6
2,4,5,6-Tetrachloro-m-Xylene	115	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-N2-2	**15-08-1831-11-A**	**08/26/15 11:30**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 11:42**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S1-1.5	**15-08-1831-12-A**	**08/26/15 14:43**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 11:57**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	34	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

REM-5-5S-S1-1.5	15-08-1831-12-A	08/26/15 14:43	Solid	GC 41	08/26/15	08/28/15 07:02	150826L08

Parameter	Result	RL	DF	Qualifiers
4,4'-DDT	87	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	104	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S1-1.5	**15-08-1831-12-A**	**08/26/15 14:43**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 07:17**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	1800	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	142	24-168	
2,4,5,6-Tetrachloro-m-Xylene	135	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S3-2	**15-08-1831-13-A**	**08/26/15 14:44**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:12**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	56	24-168	
2,4,5,6-Tetrachloro-m-Xylene	58	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S3-2	**15-08-1831-13-A**	**08/26/15 14:44**	**Solid**	**GC 44**	**08/26/15**	**08/28/15 16:03**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	45	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:28**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	25	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 07:32**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	130	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S2-1.5	**15-08-1831-14-A**	**08/26/15 14:46**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 07:48**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	2000	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	128	24-168	
2,4,5,6-Tetrachloro-m-Xylene	112	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S4-2	**15-08-1831-15-A**	**08/26/15 14:43**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:43**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S4-2	**15-08-1831-15-A**	**08/26/15 14:43**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 21:42**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	240	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F1-3	**15-08-1831-16-A**	**08/26/15 14:47**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 12:58**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	36	5.0	1.00	
4,4'-DDT	26	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F1-3	**15-08-1831-16-A**	**08/26/15 14:47**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 08:03**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	160	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F2-3	**15-08-1831-17-A**	**08/26/15 14:48**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:13**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	65	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F3-3	**15-08-1831-18-A**	**08/26/15 14:49**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 16:04**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	78	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F3-3	**15-08-1831-18-A**	**08/26/15 14:49**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 17:29**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	50	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3	**15-08-1831-19-A**	**08/26/15 14:50**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:44**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-F4-3-D	**15-08-1831-22-A**	**08/26/15 14:50**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 13:59**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2236**	**N/A**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 11:27**	**150826L08**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2237**	**N/A**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:16**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-5S-W3-2	**Sample**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 14:16**	**150826S08**
REM-5-5S-W3-2	**Matrix Spike**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 10:04**	**150826S08**
REM-5-5S-W3-2	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**08/26/15**	**08/28/15 10:20**	**150826S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.70	79	18.37	73	50-135	7	0-25	
Alpha-BHC	ND	25.00	16.77	67	17.98	72	50-135	7	0-25	
Beta-BHC	ND	25.00	24.04	96	23.16	93	50-135	4	0-25	
4,4'-DDD	ND	25.00	54.10	216	34.58	138	50-135	44	0-25	3,4
4,4'-DDE	154.6	25.00	176.9	89	190.6	144	50-135	7	0-25	3
4,4'-DDT	ND	25.00	16.41	66	16.08	64	50-135	2	0-25	
Delta-BHC	ND	25.00	20.91	84	20.48	82	50-135	2	0-25	
Dieldrin	ND	25.00	25.10	100	23.04	92	50-135	9	0-25	
Endosulfan I	ND	25.00	20.41	82	19.90	80	50-135	3	0-25	
Endosulfan II	ND	25.00	26.53	106	24.59	98	50-135	8	0-25	
Endosulfan Sulfate	ND	25.00	21.26	85	21.07	84	50-135	1	0-25	
Endrin	ND	25.00	22.98	92	22.43	90	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	13.42	54	11.50	46	50-135	15	0-25	3
Gamma-BHC	ND	25.00	17.94	72	18.80	75	50-135	5	0-25	
Heptachlor	ND	25.00	16.48	66	18.04	72	50-135	9	0-25	
Heptachlor Epoxide	ND	25.00	24.10	96	23.82	95	50-135	1	0-25	
Methoxychlor	ND	25.00	10.57	42	12.92	52	50-135	20	0-25	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/26/15
Work Order: 15-08-1831
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1928-25	**Sample**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:32**	**150827S11**
15-08-1928-25	**Matrix Spike**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:27**	**150827S11**
15-08-1928-25	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:41**	**150827S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.98	80	18.53	74	50-135	8	0-25	
Alpha-BHC	ND	25.00	19.22	77	17.60	70	50-135	9	0-25	
Beta-BHC	ND	25.00	20.81	83	19.19	77	50-135	8	0-25	
4,4'-DDD	ND	25.00	29.31	117	28.08	112	50-135	4	0-25	
4,4'-DDE	39.68	25.00	69.42	119	89.85	201	50-135	26	0-25	3,4
4,4'-DDT	ND	25.00	24.09	96	22.25	89	50-135	8	0-25	
Delta-BHC	ND	25.00	24.11	96	22.25	89	50-135	8	0-25	
Dieldrin	ND	25.00	24.13	97	22.44	90	50-135	7	0-25	
Endosulfan I	ND	25.00	20.29	81	19.11	76	50-135	6	0-25	
Endosulfan II	ND	25.00	23.83	95	22.40	90	50-135	6	0-25	
Endosulfan Sulfate	ND	25.00	24.26	97	22.59	90	50-135	7	0-25	
Endrin	ND	25.00	26.05	104	24.35	97	50-135	7	0-25	
Endrin Aldehyde	ND	25.00	21.71	87	20.67	83	50-135	5	0-25	
Gamma-BHC	ND	25.00	20.99	84	19.10	76	50-135	9	0-25	
Heptachlor	ND	25.00	20.55	82	19.06	76	50-135	8	0-25	
Heptachlor Epoxide	ND	25.00	22.90	92	21.91	88	50-135	4	0-25	
Methoxychlor	ND	25.00	25.90	104	23.98	96	50-135	8	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2236	**LCS**	**Solid**	**GC 41**	**08/26/15**	**08/27/15 19:55**	**150826L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	20.85	83	50-135	36-149	
Alpha-BHC	25.00	21.35	85	50-135	36-149	
Beta-BHC	25.00	21.02	84	50-135	36-149	
4,4'-DDD	25.00	22.19	89	50-135	36-149	
4,4'-DDE	25.00	21.97	88	50-135	36-149	
4,4'-DDT	25.00	23.38	94	50-135	36-149	
Delta-BHC	25.00	21.03	84	50-135	36-149	
Dieldrin	25.00	21.78	87	50-135	36-149	
Endosulfan I	25.00	20.66	83	50-135	36-149	
Endosulfan II	25.00	21.67	87	50-135	36-149	
Endosulfan Sulfate	25.00	22.66	91	50-135	36-149	
Endrin	25.00	24.14	97	50-135	36-149	
Endrin Aldehyde	25.00	20.22	81	50-135	36-149	
Gamma-BHC	25.00	22.13	89	50-135	36-149	
Heptachlor	25.00	22.45	90	50-135	36-149	
Heptachlor Epoxide	25.00	20.60	82	50-135	36-149	
Methoxychlor	25.00	23.38	94	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/26/15
17781 Cowan, Suite 140	Work Order: 15-08-1831
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2237	**LCS**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:55**	**150827L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	22.15	89	50-135	36-149	
Alpha-BHC	25.00	21.66	87	50-135	36-149	
Beta-BHC	25.00	22.80	91	50-135	36-149	
4,4'-DDD	25.00	24.47	98	50-135	36-149	
4,4'-DDE	25.00	26.89	108	50-135	36-149	
4,4'-DDT	25.00	22.30	89	50-135	36-149	
Delta-BHC	25.00	23.81	95	50-135	36-149	
Dieldrin	25.00	23.41	94	50-135	36-149	
Endosulfan I	25.00	20.96	84	50-135	36-149	
Endosulfan II	25.00	23.14	93	50-135	36-149	
Endosulfan Sulfate	25.00	23.09	92	50-135	36-149	
Endrin	25.00	25.20	101	50-135	36-149	
Endrin Aldehyde	25.00	13.40	54	50-135	36-149	
Gamma-BHC	25.00	22.51	90	50-135	36-149	
Heptachlor	25.00	23.14	93	50-135	36-149	
Heptachlor Epoxide	25.00	22.79	91	50-135	36-149	
Methoxychlor	25.00	24.64	99	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1831 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 44	1

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Glossary of Terms and Qualifiers

Work Order: 15-08-1831 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
	Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.
	A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1831**

DATE: 8/26/15
PAGE: 1 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 6031270 15
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead			
1	REM-5-5S-E1-2.5	8/26/15	9:52	SOIL	1						X							X	X				X			
2	REM-5-5S-E3-2	"	9:53	"	"						X							X	X				X			
3	REM-5-5S-E2-1.5		9:55								X							X	X				X			
4	REM-5-5S-E1-2		9:56								X							X	X				X			
5	REM-5-5S-W1-1.5		10:24								X							X	X				X			
6	REM-5-5S-W3-2		10:25								X							X	X				X			
7	REM-5-5S-W2-1.5		10:27								X							X	X				X			
8	REM-5-5S-W4-2		10:28								X							X	X				X			
9	REM-5-5S-W4-2-D		10:28								X							X	X				X			
10	REM-5-5S-N1-1.5	↓	1129	↓	↓						X							X	X				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridyl	Damayle EZ	8/26/15	15:57
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

Revised

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1831

DATE: 8/26/15
PAGE: 2 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 6031277015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead			
11	REM-5-SS-N2-2 (TR)	8/26/15	1130	SOIL	2						X							X	X				X			
12	REM-5-SS-S1-1.5		1443								X							X	X				X			
13	REM5-SS-S3-2		1444								X							X	X				X			
14	REM-5-SS-S2-1.5		1446								X							X	X				X			
15	REM-5-SS-SH-2		[redacted]	1443 (TR)							X							X	X				X			
16	REM-5-SS-F1-3		1447								X							X	X				X			
17	REM-5-SS-F2-3		1448								X							X	X				X			
18	REM-5-SS-F3-3		1449								X							X	X				X			
19	REM-5-SS-F4-3		1450								X							X	X				X			
20	REM-6-S-E3-2	↓	1202	↓	↓						X															

Relinquished by: (Signature) Tyler Ridyl	Received by: (Signature/Affiliation) Pamyla ZLI	Date: 8/26/15	Time: 15:57
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1831

DATE: 8/26/15
PAGE: 3 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead			
21	REM-6-S-S3-2	8/26/15	1200	Soil	1						X												X			
22	REM-5-SS-F4-3	D	1450		1						X							X	X				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridle	Dannyle EL2	8/26/15	15:57
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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WORK ORDER NUMBER: 15-08- 1831

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 26 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.8 °C (w/ CF): 4.6 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 689

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 689

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 689

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 689

Reviewed by: 8M

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WORK ORDER NUMBER: 15-08-1928

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/28/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

nelac

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1928

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/27/15. They were assigned to Work Order 15-08-1928.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N2-1	**15-08-1928-1-A**	**08/27/15 13:26**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 11:36**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	38	25	5.00	
C15-C16	67	25	5.00	
C17-C18	120	25	5.00	
C19-C20	150	25	5.00	
C21-C22	190	25	5.00	
C23-C24	240	25	5.00	
C25-C28	350	25	5.00	
C29-C32	450	25	5.00	
C33-C36	350	25	5.00	
C37-C40	270	25	5.00	
C41-C44	170	25	5.00	
C6-C44 Total	2400	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N3-2	**15-08-1928-2-A**	**08/27/15 13:27**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 11:01**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	11	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	78	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0	**15-08-1928-3-A**	**08/27/15 13:30**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 00:29**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	30	25	5.00	
C13-C14	120	25	5.00	
C15-C16	130	25	5.00	
C17-C18	180	25	5.00	
C19-C20	280	25	5.00	
C21-C22	550	25	5.00	
C23-C24	540	25	5.00	
C25-C28	830	25	5.00	
C29-C32	920	25	5.00	
C33-C36	670	25	5.00	
C37-C40	490	25	5.00	
C41-C44	280	25	5.00	
C6-C44 Total	5000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0-0	**15-08-1928-4-A**	**08/27/15 13:30**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 11:54**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	120	25.0	
C7	ND	120	25.0	
C8	ND	120	25.0	
C9-C10	ND	120	25.0	
C11-C12	ND	120	25.0	
C13-C14	260	120	25.0	
C15-C16	220	120	25.0	
C17-C18	440	120	25.0	
C19-C20	490	120	25.0	
C21-C22	610	120	25.0	
C23-C24	760	120	25.0	
C25-C28	1100	120	25.0	
C29-C32	1300	120	25.0	
C33-C36	1000	120	25.0	
C37-C40	600	120	25.0	
C41-C44	ND	120	25.0	
C6-C44 Total	6900	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N2-2.0	**15-08-1928-5-A**	**08/27/15 13:32**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 11:18**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W1-1.0	**15-08-1928-6-A**	**08/27/15 13:35**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 01:22**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	37	25	5.00	
C15-C16	97	25	5.00	
C17-C18	130	25	5.00	
C19-C20	210	25	5.00	
C21-C22	370	25	5.00	
C23-C24	380	25	5.00	
C25-C28	500	25	5.00	
C29-C32	620	25	5.00	
C33-C36	420	25	5.00	
C37-C40	390	25	5.00	
C41-C44	190	25	5.00	
C6-C44 Total	3300	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W2-2	**15-08-1928-7-A**	**08/27/15 13:36**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 01:40**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	9.2	5.1	1.00	
C29-C32	19	5.1	1.00	
C33-C36	29	5.1	1.00	
C37-C40	52	5.1	1.00	
C41-C44	14	5.1	1.00	
C6-C44 Total	120	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-S1-1	**15-08-1928-8-A**	**08/27/15 13:39**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 01:58**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	9.7	5.0	1.00	
C15-C16	14	5.0	1.00	
C17-C18	21	5.0	1.00	
C19-C20	32	5.0	1.00	
C21-C22	52	5.0	1.00	
C23-C24	49	5.0	1.00	
C25-C28	88	5.0	1.00	
C29-C32	100	5.0	1.00	
C33-C36	75	5.0	1.00	
C37-C40	71	5.0	1.00	
C41-C44	50	5.0	1.00	
C6-C44 Total	570	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-S2-2	**15-08-1928-9-A**	**08/27/15 13:40**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 02:16**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E1-1	**15-08-1928-10-A**	**08/27/15 13:42**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 02:33**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	15	5.0	1.00	
C15-C16	16	5.0	1.00	
C17-C18	21	5.0	1.00	
C19-C20	27	5.0	1.00	
C21-C22	45	5.0	1.00	
C23-C24	46	5.0	1.00	
C25-C28	70	5.0	1.00	
C29-C32	85	5.0	1.00	
C33-C36	51	5.0	1.00	
C37-C40	47	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	430	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E2-2	**15-08-1928-11-A**	**08/27/15 13:43**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 03:08**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-F1-3	**15-08-1928-12-A**	**08/27/15 13:45**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 04:36**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	8.0	4.9	1.00	
C21-C22	5.7	4.9	1.00	
C23-C24	6.3	4.9	1.00	
C25-C28	13	4.9	1.00	
C29-C32	19	4.9	1.00	
C33-C36	23	4.9	1.00	
C37-C40	15	4.9	1.00	
C41-C44	23	4.9	1.00	
C6-C44 Total	120	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N1-1.5	**15-08-1928-13-A**	**08/27/15 14:10**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 04:19**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	5.9	5.0	1.00	
C13-C14	28	5.0	1.00	
C15-C16	29	5.0	1.00	
C17-C18	31	5.0	1.00	
C19-C20	56	5.0	1.00	
C21-C22	77	5.0	1.00	
C23-C24	98	5.0	1.00	
C25-C28	120	5.0	1.00	
C29-C32	150	5.0	1.00	
C33-C36	96	5.0	1.00	
C37-C40	60	5.0	1.00	
C41-C44	36	5.0	1.00	
C6-C44 Total	790	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	101	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N2-2	**15-08-1928-14-A**	**08/27/15 14:11**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 03:26**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W1-1.5	**15-08-1928-15-A**	**08/27/15 14:13**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 05:29**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	8.7	5.1	1.00	
C15-C16	19	5.1	1.00	
C17-C18	24	5.1	1.00	
C19-C20	35	5.1	1.00	
C21-C22	96	5.1	1.00	
C23-C24	80	5.1	1.00	
C25-C28	120	5.1	1.00	
C29-C32	170	5.1	1.00	
C33-C36	130	5.1	1.00	
C37-C40	66	5.1	1.00	
C41-C44	56	5.1	1.00	
C6-C44 Total	800	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W2-2	**15-08-1928-16-A**	**08/27/15 14:14**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 03:43**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S1-1.5	**15-08-1928-17-A**	**08/27/15 14:16**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 04:54**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	13	5.1	1.00	
C15-C16	18	5.1	1.00	
C17-C18	20	5.1	1.00	
C19-C20	24	5.1	1.00	
C21-C22	70	5.1	1.00	
C23-C24	66	5.1	1.00	
C25-C28	110	5.1	1.00	
C29-C32	120	5.1	1.00	
C33-C36	79	5.1	1.00	
C37-C40	49	5.1	1.00	
C41-C44	34	5.1	1.00	
C6-C44 Total	600	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	114	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S2-2	**15-08-1928-18-A**	**08/27/15 14:17**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 05:46**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	6.6	5.1	1.00	
C15-C16	14	5.1	1.00	
C17-C18	15	5.1	1.00	
C19-C20	19	5.1	1.00	
C21-C22	29	5.1	1.00	
C23-C24	32	5.1	1.00	
C25-C28	60	5.1	1.00	
C29-C32	120	5.1	1.00	
C33-C36	100	5.1	1.00	
C37-C40	91	5.1	1.00	
C41-C44	52	5.1	1.00	
C6-C44 Total	540	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	107	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E1-1.5	**15-08-1928-19-A**	**08/27/15 14:19**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 05:11**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	13	5.0	1.00	
C15-C16	11	5.0	1.00	
C17-C18	17	5.0	1.00	
C19-C20	20	5.0	1.00	
C21-C22	37	5.0	1.00	
C23-C24	36	5.0	1.00	
C25-C28	54	5.0	1.00	
C29-C32	81	5.0	1.00	
C33-C36	64	5.0	1.00	
C37-C40	14	5.0	1.00	
C41-C44	12	5.0	1.00	
C6-C44 Total	360	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E2-2	**15-08-1928-20-A**	**08/27/15 14:20**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 04:01**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-F1-3	**15-08-1928-21-A**	**08/27/15 14:22**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 03:57**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N3-1.5	**15-08-1928-22-A**	**08/27/15 14:49**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 04:15**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N4-1.5	**15-08-1928-23-A**	**08/27/15 14:50**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 04:33**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	8.1	5.1	1.00	
C21-C22	9.7	5.1	1.00	
C23-C24	9.5	5.1	1.00	
C25-C28	19	5.1	1.00	
C29-C32	13	5.1	1.00	
C33-C36	7.7	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	77	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	106	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N5-2.5	**15-08-1928-24-A**	**08/27/15 14:52**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 04:51**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	11	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N6-2.5	**15-08-1928-25-A**	**08/27/15 14:53**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 05:10**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	5.4	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	5.8	5.0	1.00	
C29-C32	8.0	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	42	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E3-1.5'	**15-08-1928-26-A**	**08/27/15 14:54**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 02:26**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	26	5.00	
C7	ND	26	5.00	
C8	ND	26	5.00	
C9-C10	ND	26	5.00	
C11-C12	64	26	5.00	
C13-C14	380	26	5.00	
C15-C16	240	26	5.00	
C17-C18	240	26	5.00	
C19-C20	310	26	5.00	
C21-C22	250	26	5.00	
C23-C24	220	26	5.00	
C25-C28	380	26	5.00	
C29-C32	450	26	5.00	
C33-C36	280	26	5.00	
C37-C40	210	26	5.00	
C41-C44	130	26	5.00	
C6-C44 Total	3100	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E4-1.5	**15-08-1928-27-A**	**08/27/15 14:55**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 02:44**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	51	10.0	
C7	ND	51	10.0	
C8	ND	51	10.0	
C9-C10	ND	51	10.0	
C11-C12	ND	51	10.0	
C13-C14	ND	51	10.0	
C15-C16	220	51	10.0	
C17-C18	340	51	10.0	
C19-C20	410	51	10.0	
C21-C22	400	51	10.0	
C23-C24	320	51	10.0	
C25-C28	640	51	10.0	
C29-C32	600	51	10.0	
C33-C36	420	51	10.0	
C37-C40	340	51	10.0	
C41-C44	310	51	10.0	
C6-C44 Total	4000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	109	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E5-2.5'	**15-08-1928-28-A**	**08/27/15 14:56**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 05:28**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'	**15-08-1928-29-A**	**08/27/15 14:57**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 06:23**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'D	**15-08-1928-30-A**	**08/27/15 14:57**	**Solid**	**GC 45**	**08/27/15**	**08/28/15 06:41**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	88	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1738**	**N/A**	**Solid**	**GC 45**	**08/27/15**	**08/27/15 17:01**	**150827B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	102	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1739**	**N/A**	**Solid**	**GC 46**	**08/27/15**	**08/27/15 22:44**	**150827B12**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	83	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N3-1.5	**15-08-1928-22-A**	**08/27/15 14:49**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:14**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	10.5	0.493	0.985	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N4-1.5	**15-08-1928-23-A**	**08/27/15 14:50**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:14**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	13.7	0.490	0.980	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N5-2.5	**15-08-1928-24-A**	**08/27/15 14:52**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:15**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	4.69	0.503	1.01	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N6-2.5	**15-08-1928-25-A**	**08/27/15 14:53**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:16**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	3.79	0.495	0.990	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E3-1.5'	**15-08-1928-26-A**	**08/27/15 14:54**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:17**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	52.5	0.485	0.971	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E4-1.5	**15-08-1928-27-A**	**08/27/15 14:55**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:17**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	54.3	0.495	0.990	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E5-2.5'	**15-08-1928-28-A**	**08/27/15 14:56**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:18**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	14.5	0.508	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'	**15-08-1928-29-A**	**08/27/15 14:57**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:19**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	7.83	0.524	1.05	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'D	**15-08-1928-30-A**	**08/27/15 14:57**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:19**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	8.77	0.498	0.995	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21679**	**N/A**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 11:14**	**150827L03**

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.490	0.980	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N2-1	**15-08-1928-1-A**	**08/27/15 13:26**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:17**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	49	5.0	1.00	E
4,4'-DDE	290	5.0	1.00	E
4,4'-DDT	8.9	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N3-2	**15-08-1928-2-A**	**08/27/15 13:27**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:32**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0	**15-08-1928-3-A**	**08/27/15 13:30**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:46**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	100	5.0	1.00	E
4,4'-DDE	760	5.0	1.00	E
4,4'-DDT	17	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	134	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0-0	**15-08-1928-4-A**	**08/27/15 13:30**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:00**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	130	5.0	1.00	E
4,4'-DDE	890	5.0	1.00	E
4,4'-DDT	24	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	136	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N2-2.0	**15-08-1928-5-A**	**08/27/15 13:32**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:15**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	9.2	5.0	1.00	
4,4'-DDE	24	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W1-1.0	**15-08-1928-6-A**	**08/27/15 13:35**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:29**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	80	5.0	1.00	E
4,4'-DDE	500	5.0	1.00	E
4,4'-DDT	7.5	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	105	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W2-2	**15-08-1928-7-A**	**08/27/15 13:36**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:43**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	43	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-S1-1	**15-08-1928-8-A**	**08/27/15 13:39**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:58**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	69	5.0	1.00	E
4,4'-DDE	200	5.0	1.00	E
4,4'-DDT	7.6	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-S2-2	**15-08-1928-9-A**	**08/27/15 13:40**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:12**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E1-1	**15-08-1928-10-A**	**08/27/15 13:42**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:26**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	86	5.0	1.00	E
4,4'-DDE	460	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E2-2	**15-08-1928-11-A**	**08/27/15 13:43**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:45**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	8.4	5.0	1.00	
4,4'-DDE	20	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-F1-3	**15-08-1928-12-A**	**08/27/15 13:45**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:59**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.8	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	27	24-168	
2,4,5,6-Tetrachloro-m-Xylene	25	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N1-1.5	**15-08-1928-13-A**	**08/27/15 14:10**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:13**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	21	5.0	1.00	
4,4'-DDE	170	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	51	24-168	
2,4,5,6-Tetrachloro-m-Xylene	46	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N2-2	**15-08-1928-14-A**	**08/27/15 14:11**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:28**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	29	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W1-1.5	**15-08-1928-15-A**	**08/27/15 14:13**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:42**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	47	5.0	1.00	E
4,4'-DDE	600	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	31	24-168	
2,4,5,6-Tetrachloro-m-Xylene	35	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W2-2	**15-08-1928-16-A**	**08/27/15 14:14**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:56**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	39	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	62	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S1-1.5	**15-08-1928-17-A**	**08/27/15 14:16**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 14:11**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	19	5.0	1.00	
4,4'-DDE	330	5.0	1.00	E
4,4'-DDT	6.2	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S2-2	**15-08-1928-18-A**	**08/27/15 14:17**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 16:46**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	160	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E1-1.5	**15-08-1928-19-A**	**08/27/15 14:19**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 17:01**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	110	5.0	1.00	E
4,4'-DDE	710	5.0	1.00	E
4,4'-DDT	21	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E2-2	**15-08-1928-20-A**	**08/27/15 14:20**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 17:15**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	8.3	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-F1-3	**15-08-1928-21-A**	**08/27/15 14:22**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:31**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	67	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N3-1.5	**15-08-1928-22-A**	**08/27/15 14:49**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:47**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	9.2	5.0	1.00	
4,4'-DDE	490	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N4-1.5	**15-08-1928-23-A**	**08/27/15 14:50**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:02**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	13	5.0	1.00	
4,4'-DDE	140	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	53	24-168	
2,4,5,6-Tetrachloro-m-Xylene	51	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N5-2.5	**15-08-1928-24-A**	**08/27/15 14:52**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:17**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.9	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	30	24-168	
2,4,5,6-Tetrachloro-m-Xylene	27	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N6-2.5	**15-08-1928-25-A**	**08/27/15 14:53**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:32**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	40	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E3-1.5'	**15-08-1928-26-A**	**08/27/15 14:54**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:47**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	110	5.0	1.00	E
4,4'-DDE	390	5.0	1.00	E
4,4'-DDT	67	5.0	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	34	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	141	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E4-1.5	**15-08-1928-27-A**	**08/27/15 14:55**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:03**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDD	120	5.1	1.00	E
4,4'-DDE	170	5.1	1.00	E
4,4'-DDT	57	5.1	1.00	E
Delta-BHC	ND	10	1.00	
Dieldrin	13	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	148	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E5-2.5'	**15-08-1928-28-A**	**08/27/15 14:56**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:18**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	8.9	5.0	1.00	
4,4'-DDE	58	5.0	1.00	E
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	58	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'	**15-08-1928-29-A**	**08/27/15 14:57**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:33**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	12	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'D	**15-08-1928-30-A**	**08/27/15 14:57**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:48**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	10	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	64	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2238**	**N/A**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:03**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2237**	**N/A**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:16**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N3-1.5	**15-08-1928-22-A**	**08/27/15 14:49**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 11:42**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	110	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N4-1.5	**15-08-1928-23-A**	**08/27/15 14:50**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 12:00**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	24-168	
2,4,5,6-Tetrachloro-m-Xylene	47	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N5-2.5	**15-08-1928-24-A**	**08/27/15 14:52**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 12:18**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	37	24-168	
2,4,5,6-Tetrachloro-m-Xylene	28	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N6-2.5	**15-08-1928-25-A**	**08/27/15 14:53**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 12:36**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	75	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E3-1.5'	**15-08-1928-26-A**	**08/27/15 14:54**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 12:54**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	74	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	133	24-168	
2,4,5,6-Tetrachloro-m-Xylene	57	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E4-1.5	**15-08-1928-27-A**	**08/27/15 14:55**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 13:12**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	51	1.00	
Aroclor-1221	ND	51	1.00	
Aroclor-1232	ND	51	1.00	
Aroclor-1242	ND	51	1.00	
Aroclor-1248	ND	51	1.00	
Aroclor-1254	110	51	1.00	
Aroclor-1260	ND	51	1.00	
Aroclor-1262	ND	51	1.00	
Aroclor-1268	ND	51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	127	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E5-2.5'	**15-08-1928-28-A**	**08/27/15 14:56**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 13:30**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	56	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'	**15-08-1928-29-A**	**08/27/15 14:57**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 13:48**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	124	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'D	**15-08-1928-30-A**	**08/27/15 14:57**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 14:06**	**150827L13**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	64	25-145	

Method Blank	099-12-535-3390	N/A	Solid	GC 58	08/27/15	08/28/15 11:24	150827L13

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/27/15
17781 Cowan, Suite 140	Work Order:	15-08-1928
Irvine, CA 92614-6009	Preparation:	EPA 3550B
	Method:	EPA 8015B (M)
Project: POLA SCIG / 603127015		Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1824-1	**Sample**	**Solid**	**GC 45**	**08/27/15**	**08/27/15 18:12**	**150827S04**
15-08-1824-1	**Matrix Spike**	**Solid**	**GC 45**	**08/27/15**	**08/27/15 17:36**	**150827S04**
15-08-1824-1	**Matrix Spike Duplicate**	**Solid**	**GC 45**	**08/27/15**	**08/27/15 17:54**	**150827S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	489.6	122	434.3	109	64-130	12	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3550B
Method: EPA 8015B (M)
Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-2S-N2-1	**Sample**	**Solid**	**GC 46**	**08/27/15**	**08/28/15 11:36**	**150827S12**
REM-2S-N2-1	**Matrix Spike**	**Solid**	**GC 46**	**08/27/15**	**08/27/15 23:19**	**150827S12**
REM-2S-N2-1	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**08/27/15**	**08/27/15 23:36**	**150827S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2411	400.0	1544	0	1623	0	64-130	5	0-15	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	08/27/15
17781 Cowan, Suite 140	Work Order:	15-08-1928
Irvine, CA 92614-6009	Preparation:	EPA 3050B
	Method:	EPA 6010B
Project: POLA SCIG / 603127015		Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1877-7	**Sample**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 12:09**	**150827S03A**
15-08-1877-7	**Matrix Spike**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 11:57**	**150827S03A**
15-08-1877-7	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 11:58**	**150827S03A**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Lead	128.1	25.00	225.3	4X	212.7	4X	75-125	4X	0-20	Q

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-3S-N6-2.5	**Sample**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:32**	**150827S11**
REM-5-3S-N6-2.5	**Matrix Spike**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:27**	**150827S11**
REM-5-3S-N6-2.5	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:41**	**150827S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.98	80	18.53	74	50-135	8	0-25	
Alpha-BHC	ND	25.00	19.22	77	17.60	70	50-135	9	0-25	
Beta-BHC	ND	25.00	20.81	83	19.19	77	50-135	8	0-25	
4,4'-DDD	ND	25.00	29.31	117	28.08	112	50-135	4	0-25	
4,4'-DDE	39.68	25.00	69.42	119	89.85	201	50-135	26	0-25	3,4
4,4'-DDT	ND	25.00	24.09	96	22.25	89	50-135	8	0-25	
Delta-BHC	ND	25.00	24.11	96	22.25	89	50-135	8	0-25	
Dieldrin	ND	25.00	24.13	97	22.44	90	50-135	7	0-25	
Endosulfan I	ND	25.00	20.29	81	19.11	76	50-135	6	0-25	
Endosulfan II	ND	25.00	23.83	95	22.40	90	50-135	6	0-25	
Endosulfan Sulfate	ND	25.00	24.26	97	22.59	90	50-135	7	0-25	
Endrin	ND	25.00	26.05	104	24.35	97	50-135	7	0-25	
Endrin Aldehyde	ND	25.00	21.71	87	20.67	83	50-135	5	0-25	
Gamma-BHC	ND	25.00	20.99	84	19.10	76	50-135	9	0-25	
Heptachlor	ND	25.00	20.55	82	19.06	76	50-135	8	0-25	
Heptachlor Epoxide	ND	25.00	22.90	92	21.91	88	50-135	4	0-25	
Methoxychlor	ND	25.00	25.90	104	23.98	96	50-135	8	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-3S-N3-1.5	**Sample**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 11:42**	**150827S13**
REM-5-3S-N3-1.5	**Matrix Spike**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 14:24**	**150827S13**
REM-5-3S-N3-1.5	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 14:42**	**150827S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	103.8	104	101.5	102	50-135	2	0-20	
Aroclor-1260	ND	100.0	112.7	113	108.2	108	50-135	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1738	**LCS**	**Solid**	**GC 45**	**08/27/15**	**08/27/15 17:18**	**150827B04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	472.8	118	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1739	**LCS**	**Solid**	**GC 46**	**08/27/15**	**08/27/15 23:01**	**150827B12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	449.2	112	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21679	**LCS**	**Solid**	**ICP 7300**	**08/27/15**	**08/28/15 11:16**	**150827L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Lead	25.00	24.66	99	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2237	**LCS**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:55**	**150827L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	22.15	89	50-135	36-149	
Alpha-BHC	25.00	21.66	87	50-135	36-149	
Beta-BHC	25.00	22.80	91	50-135	36-149	
4,4'-DDD	25.00	24.47	98	50-135	36-149	
4,4'-DDE	25.00	26.89	108	50-135	36-149	
4,4'-DDT	25.00	22.30	89	50-135	36-149	
Delta-BHC	25.00	23.81	95	50-135	36-149	
Dieldrin	25.00	23.41	94	50-135	36-149	
Endosulfan I	25.00	20.96	84	50-135	36-149	
Endosulfan II	25.00	23.14	93	50-135	36-149	
Endosulfan Sulfate	25.00	23.09	92	50-135	36-149	
Endrin	25.00	25.20	101	50-135	36-149	
Endrin Aldehyde	25.00	13.40	54	50-135	36-149	
Gamma-BHC	25.00	22.51	90	50-135	36-149	
Heptachlor	25.00	23.14	93	50-135	36-149	
Heptachlor Epoxide	25.00	22.79	91	50-135	36-149	
Methoxychlor	25.00	24.64	99	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8082
Project: POLA SCIG / 603127015	Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3390	**LCS**	**Solid**	**GC 58**	**08/27/15**	**08/28/15 15:00**	**150827L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	98.96	99	50-135	
Aroclor-1260	100.0	99.26	99	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1928 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 8015B (M)	EPA 3550B	974	GC 45	1
EPA 8015B (M)	EPA 3550B	974	GC 46	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8082	EPA 3545	421	GC 58	1

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1928**

DATE: 8/27/15
PAGE: 1 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	REM-25-N2-1	8/27/15	13:26	Soil	1						X							X								
2	REM-25-N3-2		13:27								X							X								
3	REM-5-65-N1-1.0		13:30								X							X								
4	REM-5-65-N1-1.0-D		13:30								X							X								
5	REM-5-65-N2-2.0		13:32								X							X								
6	REM-5-65-W1-1.0		13:35								X							X								
7	REM-5-65-W2-2		13:36								X							X								
8	REM-5-65-S1-1		13:39								X							X								
9	REM-5-65-S2-2		13:40								X							X								
10	REM-5-65-E1-1		13:42								X							X								

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) Danny U ECI	Date: 8/27/15	Time: 15:58
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1928

DATE: 8/27/15
PAGE: 2 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
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TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD:
☐ COELT EDF ☐ OTHER

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
11	REM-5-6S-E2-2	8/27/15	13:43	SOIL	1						X							X								
12	REM-5-6S-F1-3		13:45								X							X								
13	REM-5-7S-N1-1.5		14:10								X							X								
14	REM-5-7S-N2-2		14:11								X							X								
15	REM-5-7S-W1-1.5		14:13								X							X								
16	REM-5-7S-W2-2		14:14								X							X								
17	REM-5-7S-S1-1.5		14:16								X							X								
18	REM-5-7S-S2-2		14:17								X							X								
19	REM-5-7S-E1-1.5		14:19								X							X								
20	REM-5-7S-E2-2		14:20								X							X								

Relinquished by: (Signature) Tyler Reid	Received by: (Signature/Affiliation) Bunnyle ECL	Date: 8/27/15	Time: 15:58
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1928

DATE: 8/27/15

PAGE: 3 OF 3

LABORATORY CLIENT: Leighton Consulting
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TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
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EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	LEAD			
21	REM-5-7S-F1-3	8/27/15	14:22	Soil	1						X							X								
22	REM-5-3S-N3-1.5		1449								X							X	X				X			
23	REM-5-3S-N4-1.5		1450								X							X	X				X			
24	REM-5-3S-N5-2.5		1452								X							X	X				X			
25	REM-5-3S-N6-2.5		1453								X							X	X				X			
26	REM-5-3S-E3-1.5		1454								X							X	X				X			
27	REM-5-3S-E4-1.5		1455								X							X	X				X			
28	REM-5-3S-E5-2.5		1456								X							X	X				X			
29	REM-5-3S-E6-2.5		1457								X							X	X				X			
30	REM-5-3S-E6-2.5D		1457								X							X	X				X			

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) Danyale CLS	Date: 8/27/15	Time: 15:58
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER NUMBER: 15-08- 1928

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 27 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.6 °C (w/ CF): 4.4 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 659

s = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH Reviewed by: 626

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Supplemental Report 1

WORK ORDER NUMBER: 15-08-1928

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/31/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-08-1928

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/27/15. They were assigned to Work Order 15-08-1928.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N2-1	**15-08-1928-1-A**	**08/27/15 13:26**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:17**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	8.9	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N2-1	**15-08-1928-1-A**	**08/27/15 13:26**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 11:49**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	45	25	5.00	
4,4'-DDE	170	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-2S-N3-2	**15-08-1928-2-A**	**08/27/15 13:27**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:32**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0	**15-08-1928-3-A**	**08/27/15 13:30**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:46**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	17	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	134	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0	**15-08-1928-3-A**	**08/27/15 13:30**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 12:20**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	95	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0	**15-08-1928-3-A**	**08/27/15 13:30**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 12:35**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	380	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0-0	**15-08-1928-4-A**	**08/27/15 13:30**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:00**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	24	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	136	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0-0	**15-08-1928-4-A**	**08/27/15 13:30**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 12:50**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	120	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N1-1.0-0	**15-08-1928-4-A**	**08/27/15 13:30**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 13:05**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	410	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	24-168	
2,4,5,6-Tetrachloro-m-Xylene	89	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-N2-2.0	**15-08-1928-5-A**	**08/27/15 13:32**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:15**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	9.2	5.0	1.00	
4,4'-DDE	24	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W1-1.0	**15-08-1928-6-A**	**08/27/15 13:35**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:29**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	7.5	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	105	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W1-1.0	**15-08-1928-6-A**	**08/27/15 13:35**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 13:20**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	81	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	114	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W1-1.0	**15-08-1928-6-A**	**08/27/15 13:35**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 13:36**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	280	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	99	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W2-2	**15-08-1928-7-A**	**08/27/15 13:36**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:43**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-W2-2	**15-08-1928-7-A**	**08/27/15 13:36**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 13:51**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	43	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-S1-1	**15-08-1928-8-A**	**08/27/15 13:39**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 11:58**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	7.6	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	95	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-S1-1	**15-08-1928-8-A**	**08/27/15 13:39**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 14:06**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	63	25	5.00	
4,4'-DDE	150	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	99	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

REM-5-6S-S2-2	**15-08-1928-9-A**	**08/27/15 13:40**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:12**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E1-1	**15-08-1928-10-A**	**08/27/15 13:42**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:26**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E1-1	**15-08-1928-10-A**	**08/27/15 13:42**	**Solid**	**GC 44**	**08/27/15**	**08/31/15 18:16**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	100	50	10.0	
4,4'-DDE	390	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	5	24-168	1,2,6
2,4,5,6-Tetrachloro-m-Xylene	113	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-E2-2	**15-08-1928-11-A**	**08/27/15 13:43**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:45**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	8.4	5.0	1.00	
4,4'-DDE	20	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-6S-F1-3	**15-08-1928-12-A**	**08/27/15 13:45**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:59**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.8	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	27	24-168	
2,4,5,6-Tetrachloro-m-Xylene	25	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N1-1.5	**15-08-1928-13-A**	**08/27/15 14:10**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:13**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	21	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	51	24-168	
2,4,5,6-Tetrachloro-m-Xylene	46	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N1-1.5	**15-08-1928-13-A**	**08/27/15 14:10**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 16:11**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	140	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	59	24-168	
2,4,5,6-Tetrachloro-m-Xylene	54	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-N2-2	**15-08-1928-14-A**	**08/27/15 14:11**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:28**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	29	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W1-1.5	**15-08-1928-15-A**	**08/27/15 14:13**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:42**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	31	24-168	
2,4,5,6-Tetrachloro-m-Xylene	35	25-145	

REM-5-7S-W1-1.5	15-08-1928-15-A	08/27/15 14:13	Solid	GC 41	08/27/15	08/29/15 14:52	150827L10

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	47	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	31	24-168	
2,4,5,6-Tetrachloro-m-Xylene	31	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W1-1.5	**15-08-1928-15-A**	**08/27/15 14:13**	**Solid**	**GC 44**	**08/27/15**	**08/31/15 18:02**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	410	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	52	24-168	
2,4,5,6-Tetrachloro-m-Xylene	48	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-W2-2	**15-08-1928-16-A**	**08/27/15 14:14**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 13:56**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	39	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	62	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S1-1.5	**15-08-1928-17-A**	**08/27/15 14:16**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 14:11**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	19	5.0	1.00	
4,4'-DDT	6.2	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S1-1.5	**15-08-1928-17-A**	**08/27/15 14:16**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 16:26**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	190	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	106	24-168	
2,4,5,6-Tetrachloro-m-Xylene	87	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S2-2	**15-08-1928-18-A**	**08/27/15 14:17**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 16:46**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-S2-2	**15-08-1928-18-A**	**08/27/15 14:17**	**Solid**	**GC 51**	**08/27/15**	**08/31/15 16:23**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	140	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	106	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E1-1.5	**15-08-1928-19-A**	**08/27/15 14:19**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 17:01**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	21	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	113	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E1-1.5	**15-08-1928-19-A**	**08/27/15 14:19**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 15:07**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	100	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E1-1.5	**15-08-1928-19-A**	**08/27/15 14:19**	**Solid**	**GC 51**	**08/27/15**	**08/31/15 16:38**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	970	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	144	24-168	
2,4,5,6-Tetrachloro-m-Xylene	132	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-E2-2	**15-08-1928-20-A**	**08/27/15 14:20**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 17:15**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	8.3	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

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Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-7S-F1-3	**15-08-1928-21-A**	**08/27/15 14:22**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:31**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	67	25-145	

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Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N3-1.5	**15-08-1928-22-A**	**08/27/15 14:49**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:47**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	9.2	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N3-1.5	**15-08-1928-22-A**	**08/27/15 14:49**	**Solid**	**GC 51**	**08/27/15**	**08/31/15 16:52**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	250	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	59	24-168	
2,4,5,6-Tetrachloro-m-Xylene	55	25-145	

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Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N4-1.5	**15-08-1928-23-A**	**08/27/15 14:50**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:02**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	13	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	53	24-168	
2,4,5,6-Tetrachloro-m-Xylene	51	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N4-1.5	**15-08-1928-23-A**	**08/27/15 14:50**	**Solid**	**GC 44**	**08/27/15**	**08/31/15 18:30**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	140	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	69	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

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Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N5-2.5	**15-08-1928-24-A**	**08/27/15 14:52**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:17**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	5.9	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	30	24-168	
2,4,5,6-Tetrachloro-m-Xylene	27	25-145	

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Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-N6-2.5	**15-08-1928-25-A**	**08/27/15 14:53**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:32**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	40	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

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Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E3-1.5'	**15-08-1928-26-A**	**08/27/15 14:54**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:47**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	34	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	141	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E3-1.5'	**15-08-1928-26-A**	**08/27/15 14:54**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 15:22**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	63	50	10.0	
4,4'-DDE	190	50	10.0	
4,4'-DDT	51	50	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	109	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

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Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E4-1.5	**15-08-1928-27-A**	**08/27/15 14:55**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:03**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.1	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.1	1.00	
Chlordane	ND	51	1.00	
4,4'-DDT	35	5.1	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	15	5.1	1.00	
Endosulfan I	ND	5.1	1.00	
Endosulfan II	ND	5.1	1.00	
Endosulfan Sulfate	ND	5.1	1.00	
Endrin	ND	5.1	1.00	
Endrin Aldehyde	ND	5.1	1.00	
Endrin Ketone	ND	5.1	1.00	
Gamma-BHC	ND	5.1	1.00	
Heptachlor	ND	5.1	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.1	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E4-1.5	**15-08-1928-27-A**	**08/27/15 14:55**	**Solid**	**GC 41**	**08/27/15**	**08/29/15 15:37**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	90	51	10.0	
4,4'-DDE	130	51	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	73	25-145	

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Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E5-2.5'	**15-08-1928-28-A**	**08/27/15 14:56**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:18**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	8.9	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	58	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E5-2.5'	**15-08-1928-28-A**	**08/27/15 14:56**	**Solid**	**GC 44**	**08/27/15**	**08/31/15 18:45**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	71	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	108	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

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Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'	**15-08-1928-29-A**	**08/27/15 14:57**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:33**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	12	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	66	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-3S-E6-2.5'D	**15-08-1928-30-A**	**08/27/15 14:57**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 15:48**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	10	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	64	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2238**	**N/A**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 10:03**	**150827L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2237**	**N/A**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 13:16**	**150827L11**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	109	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-3S-N6-2.5	**Sample**	**Solid**	**GC 41**	**08/27/15**	**08/28/15 14:32**	**150827S11**
REM-5-3S-N6-2.5	**Matrix Spike**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:27**	**150827S11**
REM-5-3S-N6-2.5	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:41**	**150827S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.98	80	18.53	74	50-135	8	0-25	
Alpha-BHC	ND	25.00	19.22	77	17.60	70	50-135	9	0-25	
Beta-BHC	ND	25.00	20.81	83	19.19	77	50-135	8	0-25	
4,4'-DDD	ND	25.00	29.31	117	28.08	112	50-135	4	0-25	
4,4'-DDE	39.59	25.00	69.42	119	89.85	201	50-135	26	0-25	3,4
4,4'-DDT	ND	25.00	24.09	96	22.25	89	50-135	8	0-25	
Delta-BHC	ND	25.00	24.11	96	22.25	89	50-135	8	0-25	
Dieldrin	ND	25.00	24.13	97	22.44	90	50-135	7	0-25	
Endosulfan I	ND	25.00	20.29	81	19.11	76	50-135	6	0-25	
Endosulfan II	ND	25.00	23.83	95	22.40	90	50-135	6	0-25	
Endosulfan Sulfate	ND	25.00	24.26	97	22.59	90	50-135	7	0-25	
Endrin	ND	25.00	26.05	104	24.35	97	50-135	7	0-25	
Endrin Aldehyde	ND	25.00	21.71	87	20.67	83	50-135	5	0-25	
Gamma-BHC	ND	25.00	20.99	84	19.10	76	50-135	9	0-25	
Heptachlor	ND	25.00	20.55	82	19.06	76	50-135	8	0-25	
Heptachlor Epoxide	ND	25.00	22.90	92	21.91	88	50-135	4	0-25	
Methoxychlor	ND	25.00	25.90	104	23.98	96	50-135	8	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/27/15
Work Order: 15-08-1928
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-6S-E2-2	**Sample**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 12:45**	**150827S10**
REM-5-6S-E2-2	**Matrix Spike**	**Solid**	**GC 51**	**08/27/15**	**08/29/15 14:26**	**150827S10**
REM-5-6S-E2-2	**Matrix Spike Duplicate**	**Solid**	**GC 51**	**08/27/15**	**08/29/15 14:41**	**150827S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	30.05	120	33.47	134	50-135	11	0-25	
Alpha-BHC	ND	25.00	18.63	75	25.91	104	50-135	33	0-25	4
Beta-BHC	ND	25.00	30.75	123	51.92	208	50-135	51	0-25	3,4
4,4'-DDD	8.354	25.00	21.81	54	32.96	98	50-135	41	0-25	4
4,4'-DDE	20.16	25.00	32.11	48	50.60	122	50-135	45	0-25	3,4
4,4'-DDT	ND	25.00	21.26	85	38.55	154	50-135	58	0-25	3,4
Delta-BHC	ND	25.00	17.38	70	26.28	105	50-135	41	0-25	4
Dieldrin	ND	25.00	17.00	68	24.38	98	50-135	36	0-25	4
Endosulfan I	ND	25.00	15.69	63	22.17	89	50-135	34	0-25	4
Endosulfan II	ND	25.00	18.02	72	26.23	105	50-135	37	0-25	4
Endosulfan Sulfate	ND	25.00	20.10	80	28.25	113	50-135	34	0-25	4
Endrin	ND	25.00	19.84	79	29.12	116	50-135	38	0-25	4
Endrin Aldehyde	ND	25.00	16.71	67	24.89	100	50-135	39	0-25	4
Gamma-BHC	ND	25.00	16.52	66	24.12	96	50-135	37	0-25	4
Heptachlor	ND	25.00	22.31	89	35.42	142	50-135	45	0-25	3,4
Heptachlor Epoxide	ND	25.00	14.97	60	21.55	86	50-135	36	0-25	4
Methoxychlor	ND	25.00	21.91	88	30.88	124	50-135	34	0-25	4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2237	**LCS**	**Solid**	**GC 44**	**08/27/15**	**08/28/15 18:55**	**150827L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	22.15	89	50-135	36-149	
Alpha-BHC	25.00	21.66	87	50-135	36-149	
Beta-BHC	25.00	22.80	91	50-135	36-149	
4,4'-DDD	25.00	24.47	98	50-135	36-149	
4,4'-DDE	25.00	26.89	108	50-135	36-149	
4,4'-DDT	25.00	22.30	89	50-135	36-149	
Delta-BHC	25.00	23.81	95	50-135	36-149	
Dieldrin	25.00	23.41	94	50-135	36-149	
Endosulfan I	25.00	20.96	84	50-135	36-149	
Endosulfan II	25.00	23.14	93	50-135	36-149	
Endosulfan Sulfate	25.00	23.09	92	50-135	36-149	
Endrin	25.00	25.20	101	50-135	36-149	
Endrin Aldehyde	25.00	13.40	54	50-135	36-149	
Gamma-BHC	25.00	22.51	90	50-135	36-149	
Heptachlor	25.00	23.14	93	50-135	36-149	
Heptachlor Epoxide	25.00	22.79	91	50-135	36-149	
Methoxychlor	25.00	24.64	99	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/27/15
17781 Cowan, Suite 140	Work Order: 15-08-1928
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2238	**LCS**	**Solid**	**GC 44**	**08/27/15**	**08/31/15 19:13**	**150827L10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	17.80	71	50-135	36-149	
Alpha-BHC	25.00	18.50	74	50-135	36-149	
Beta-BHC	25.00	19.03	76	50-135	36-149	
4,4'-DDD	25.00	21.24	85	50-135	36-149	
4,4'-DDE	25.00	23.48	94	50-135	36-149	
4,4'-DDT	25.00	20.89	84	50-135	36-149	
Delta-BHC	25.00	20.03	80	50-135	36-149	
Dieldrin	25.00	20.57	82	50-135	36-149	
Endosulfan I	25.00	18.35	73	50-135	36-149	
Endosulfan II	25.00	19.60	78	50-135	36-149	
Endosulfan Sulfate	25.00	20.05	80	50-135	36-149	
Endrin	25.00	21.56	86	50-135	36-149	
Endrin Aldehyde	25.00	15.33	61	50-135	36-149	
Gamma-BHC	25.00	19.20	77	50-135	36-149	
Heptachlor	25.00	18.65	75	50-135	36-149	
Heptachlor Epoxide	25.00	20.80	83	50-135	36-149	
Methoxychlor	25.00	23.34	93	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-1928 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8081A	EPA 3545	669	GC 44	1
EPA 8081A	EPA 3545	669	GC 51	1

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-1928**

DATE: 8/27/15
PAGE: 1 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	REM-25-N2-1	8/27/15	13:26	Soil	1						X							X								
2	REM-25-N3-2		13:27								X							X								
3	REM-5-65-N1-1.0		13:30								X							X								
4	REM-5-65-N1-1.0-D		13:30								X							X								
5	REM-5-65-N2-2.0		13:32								X							X								
6	REM-5-65-W1-1.0		13:35								X							X								
7	REM-5-65-W2-2		13:36								X							X								
8	REM-5-65-S1-1		13:39								X							X								
9	REM-5-65-S2-2		13:40								X							X								
10	REM-5-65-E1-1		13:42								X							X								

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) Danny H ECI	Date: 8/27/15	Time: 15:58
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1928

DATE: 8/27/15
PAGE: 2 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
11	REM-5-6S-E2-2	8/27/15	13:43	SOIL	1						X							X							
12	REM-5-6S-F1-3		13:45								X							X							
13	REM-5-7S-N1-1.5		14:10								X							X							
14	REM-5-7S-N2-2		14:11								X							X							
15	REM-5-7S-W1-1.5		14:13								X							X							
16	REM-5-7S-W2-2		14:14								X							X							
17	REM-5-7S-S1-1.5		14:16								X							X							
18	REM-5-7S-S2-2		14:17								X							X							
19	REM-5-7S-E1-1.5		14:19								X							X							
20	REM-5-7S-E2-2		14:20								X							X							

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Tyler Ridf	Bunnyle ECL	8/27/15	15:58
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: 15-08-1928

DATE: 8/27/15

PAGE: 3 OF 3

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	LEAD			
21	REM-5-7S-F1-3	8/27/15	14:22	Soil	1						X							X								
22	REM-5-3S-N3-1.5		1449								X							X	X				X			
23	REM-5-3S-N4-1.5		1450								X							X	X				X			
24	REM-5-3S-N5-2.5		1452								X							X	X				X			
25	REM-5-3S-N6-2.5		1453								X							X	X				X			
26	REM-5-3S-E3-1.5		1454								X							X	X				X			
27	REM-5-3S-E4-1.5		1455								X							X	X				X			
28	REM-5-3S-E5-2.5		1456								X							X	X				X			
29	REM-5-3S-E6-2.5		1457								X							X	X				X			
30	REM-5-3S-E6-2.5D		1457								X							X	X				X			

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) Dangle ECL	Date: 8/27/15	Time: 15:58
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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WORK ORDER NUMBER: 15-08- 1928

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 27 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 4.6 °C (w/ CF): 4.4 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 659

s = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH Reviewed by: 656

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WORK ORDER NUMBER: 15-08-2008

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 08/31/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Client Project Name: POLA SCIG / 603127015
Work Order Number: 15-08-2008

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Work Order Narrative

Work Order: 15-08-2008 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/28/15. They were assigned to Work Order 15-08-2008.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-N2-2.5	**15-08-2008-1-A**	**08/28/15 11:40**	**Solid**	**GC 46**	**08/28/15**	**08/29/15 13:13**	**150828B08A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	120	25.0	
C7	ND	120	25.0	
C8	ND	120	25.0	
C9-C10	140	120	25.0	
C11-C12	660	120	25.0	
C13-C14	1200	120	25.0	
C15-C16	1500	120	25.0	
C17-C18	1200	120	25.0	
C19-C20	780	120	25.0	
C21-C22	430	120	25.0	
C23-C24	230	120	25.0	
C25-C28	320	120	25.0	
C29-C32	460	120	25.0	
C33-C36	200	120	25.0	
C37-C40	ND	120	25.0	
C41-C44	ND	120	25.0	
C6-C44 Total	7200	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-E2-2.5	**15-08-2008-2-A**	**08/28/15 11:41**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 16:21**	**150828B08A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.1	1.00	
C7	ND	5.1	1.00	
C8	ND	5.1	1.00	
C9-C10	ND	5.1	1.00	
C11-C12	ND	5.1	1.00	
C13-C14	ND	5.1	1.00	
C15-C16	ND	5.1	1.00	
C17-C18	ND	5.1	1.00	
C19-C20	ND	5.1	1.00	
C21-C22	ND	5.1	1.00	
C23-C24	ND	5.1	1.00	
C25-C28	ND	5.1	1.00	
C29-C32	ND	5.1	1.00	
C33-C36	ND	5.1	1.00	
C37-C40	ND	5.1	1.00	
C41-C44	ND	5.1	1.00	
C6-C44 Total	25	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-N3-4	**15-08-2008-3-A**	**08/28/15 11:46**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 16:03**	**150828B08A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-E3-4	**15-08-2008-4-A**	**08/28/15 11:47**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 15:46**	**150828B08A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	7.6	5.0	1.00	
C17-C18	12	5.0	1.00	
C19-C20	9.7	5.0	1.00	
C21-C22	5.6	5.0	1.00	
C23-C24	5.1	5.0	1.00	
C25-C28	7.0	5.0	1.00	
C29-C32	11	5.0	1.00	
C33-C36	6.5	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	71	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-F-5	**15-08-2008-5-A**	**08/28/15 11:50**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 15:28**	**150828B08A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1741**	**N/A**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 14:00**	**150828B08A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 08/28/15
Work Order: 15-08-2008
Preparation: EPA 3550B
Method: EPA 8015B (M)
Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-08-1910-1	**Sample**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 15:10**	**150828S08**
15-08-1910-1	**Matrix Spike**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 14:35**	**150828S08**
15-08-1910-1	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 14:52**	**150828S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	449.3	112	384.4	96	64-130	16	0-15	4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 08/28/15
17781 Cowan, Suite 140	Work Order: 15-08-2008
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1741	**LCS**	**Solid**	**GC 46**	**08/28/15**	**08/28/15 14:17**	**150828B08A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	420.5	105	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-08-2008 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3550B	974	GC 46	1

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-08-2008**

DATE: 8/28/15
PAGE: 1 OF 1

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH _____	BTEX / MTBE ☐ 8260 ☐ _____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	REM-7-S-N2-2.5	8/28/15	11:40	Soil	1						X														
2	REM-7-S-E2-2.5	"	11:41	"	"						X														
3	REM-7-S-N3-4	"	11:46	"	"						X														
4	REM-7-S-E3-4	"	11:47	"	"						X														
5	REM-7-S-F-5	"	11:50	"	"						X														

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation)	Date: 8/28/15	Time: 1302
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

Revised

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WORK ORDER NUMBER: 15-08- 2008

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 08 / 28 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.9 °C (w/ CF): 3.7 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: SJG

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: SJG

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: SJG

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: SJG

Reviewed by: JD

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WORK ORDER NUMBER: 15-09-0340

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Leighton Consulting, Inc.

Client Project Name: POLA SCIG / 603127015

Attention: Mark Withrow
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Amanda Porter

Approved for release on 09/04/2015 by:
Amanda Porter
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-09-0340

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Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/03/15. They were assigned to Work Order 15-09-0340.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: N/A
Method: EPA 300.0
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 19:06**	**150903L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	250	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 19:25**	**150903L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	120	10	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-922-646**	**N/A**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 18:01**	**150903L01P**

Parameter	Result	RL	DF	Qualifiers
Sulfate	ND	10	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: N/A
Method: EPA 376.2M
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**N/A**	**09/04/15**	**09/04/15 15:09**	**F0904SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	2.0	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**N/A**	**09/04/15**	**09/04/15 15:09**	**F0904SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	1.8	0.50	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-05-001-5520**	**N/A**	**Solid**	**N/A**	**09/04/15**	**09/04/15 15:09**	**F0904SL1**

Parameter	Result	RL	DF	Qualifiers
Sulfide, Total	ND	0.10	0.200	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S5-1.5	**15-09-0340-1-A**	**09/03/15 10:40**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 22:01**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	25	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S6-2	**15-09-0340-2-A**	**09/03/15 10:42**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 22:19**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N2-2	**15-09-0340-3-A**	**09/03/15 11:06**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 22:37**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E2-2	**15-09-0340-4-A**	**09/03/15 11:08**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 22:55**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	70	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-N4-2.5	**15-09-0340-5-A**	**09/03/15 12:52**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 23:12**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	17	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	68	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-7-S-N5-4	**15-09-0340-6-A**	**09/03/15 12:55**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 23:29**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	74	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 23:47**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	25	5.00	
C7	ND	25	5.00	
C8	ND	25	5.00	
C9-C10	ND	25	5.00	
C11-C12	ND	25	5.00	
C13-C14	40	25	5.00	
C15-C16	38	25	5.00	
C17-C18	97	25	5.00	
C19-C20	60	25	5.00	
C21-C22	52	25	5.00	
C23-C24	59	25	5.00	
C25-C28	100	25	5.00	
C29-C32	140	25	5.00	
C33-C36	160	25	5.00	
C37-C40	130	25	5.00	
C41-C44	110	25	5.00	
C6-C44 Total	1000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**GC 46**	**09/03/15**	**09/04/15 00:04**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	9.8	5.0	1.00	
C15-C16	29	5.0	1.00	
C17-C18	30	5.0	1.00	
C19-C20	29	5.0	1.00	
C21-C22	16	5.0	1.00	
C23-C24	19	5.0	1.00	
C25-C28	37	5.0	1.00	
C29-C32	73	5.0	1.00	
C33-C36	73	5.0	1.00	
C37-C40	71	5.0	1.00	
C41-C44	50	5.0	1.00	
C6-C44 Total	440	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1751**	**N/A**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 20:52**	**150903B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S5-1.5	**15-09-0340-1-A**	**09/03/15 10:40**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 18:54**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Lead	21.9	0.500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S6-2	**15-09-0340-2-A**	**09/03/15 10:42**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 18:56**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Lead	13.5	0.510	1.02	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21713**	**N/A**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 13:43**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Lead	ND	0.493	0.985	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 18:58**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	0.862	0.750	1.00	
Barium	140	0.500	1.00	
Beryllium	0.291	0.250	1.00	
Cadmium	1.09	0.500	1.00	
Chromium	22.8	0.250	1.00	
Cobalt	11.6	0.250	1.00	
Copper	23.6	0.500	1.00	
Lead	14.1	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	16.5	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	32.7	0.250	1.00	
Zinc	70.8	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 19:00**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	ND	0.732	0.976	
Barium	123	0.488	0.976	
Beryllium	0.268	0.244	0.976	
Cadmium	1.07	0.488	0.976	
Chromium	21.8	0.244	0.976	
Cobalt	11.2	0.244	0.976	
Copper	23.5	0.488	0.976	
Lead	15.7	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	16.0	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	31.2	0.244	0.976	
Zinc	70.8	0.976	0.976	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-21713**	**N/A**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 13:43**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Arsenic	ND	0.739	0.985	
Barium	ND	0.493	0.985	
Beryllium	ND	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	ND	0.246	0.985	
Cobalt	ND	0.246	0.985	
Copper	ND	0.493	0.985	
Lead	ND	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	ND	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	ND	0.246	0.985	
Zinc	ND	0.985	0.985	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 18:06**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 18:08**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-1578**	**N/A**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 14:37**	**150903L01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
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Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S5-1.5	**15-09-0340-1-A**	**09/03/15 10:40**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 12:19**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	24	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S5-1.5	**15-09-0340-1-A**	**09/03/15 10:40**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 14:11**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	39	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S5-1.5	**15-09-0340-1-A**	**09/03/15 10:40**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 14:26**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	2000	500	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	123	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S6-2	**15-09-0340-2-A**	**09/03/15 10:42**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 12:33**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	88	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S6-2	**15-09-0340-2-A**	**09/03/15 10:42**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 14:40**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	100	25	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N2-2	**15-09-0340-3-A**	**09/03/15 11:06**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 12:48**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	15	5.0	1.00	
4,4'-DDE	33	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E2-2	**15-09-0340-4-A**	**09/03/15 11:08**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 13:02**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	28	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	24-168	
2,4,5,6-Tetrachloro-m-Xylene	91	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 13:17**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDT	19	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	97	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 14:54**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDD	48	25	5.00	
4,4'-DDE	690	25	5.00	E

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	101	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 13:31**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	19	5.0	1.00	
4,4'-DDT	8.6	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	93	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 15:23**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
4,4'-DDE	650	250	50.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	98	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2246**	**N/A**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 12:05**	**150903L13**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S5-1.5	**15-09-0340-1-A**	**09/03/15 10:40**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 11:39**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-5S-S6-2	**15-09-0340-2-A**	**09/03/15 10:42**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 11:57**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	72	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-N2-2	**15-09-0340-3-A**	**09/03/15 11:06**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 12:15**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	67	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-4S-E2-2	**15-09-0340-4-A**	**09/03/15 11:08**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 12:33**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 12:51**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	85	24-168	
2,4,5,6-Tetrachloro-m-Xylene	76	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 13:09**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3397**	**N/A**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 11:21**	**150903L14**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	
Aroclor-1268	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	71	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 13:31**	**150903L12**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	78	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	09/03/15
17781 Cowan, Suite 140	Work Order:	15-09-0340
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 3 of 9

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	67	25-120	
Nitrobenzene-d5	68	33-123	
p-Terphenyl-d14	84	27-159	
Phenol-d6	76	26-122	
2,4,6-Tribromophenol	104	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 13:13**	**150903L12**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	67	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	09/03/15
17781 Cowan, Suite 140	Work Order:	15-09-0340
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 6 of 9

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	58	25-120	
Nitrobenzene-d5	57	33-123	
p-Terphenyl-d14	80	27-159	
Phenol-d6	68	26-122	
2,4,6-Tribromophenol	101	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-3386**	**N/A**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 11:53**	**150903L12**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	74	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	09/03/15
17781 Cowan, Suite 140	Work Order:	15-09-0340
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: POLA SCIG / 603127015		Page 9 of 9

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	72	25-120	
Nitrobenzene-d5	74	33-123	
p-Terphenyl-d14	79	27-159	
Phenol-d6	75	26-122	
2,4,6-Tribromophenol	92	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-1	**15-09-0340-7-A**	**09/03/15 13:50**	**Solid**	**GC/MS T**	**09/03/15**	**09/03/15 17:49**	**150903L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.9	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.	Date Received:	09/03/15
17781 Cowan, Suite 140	Work Order:	15-09-0340
Irvine, CA 92614-6009	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: POLA SCIG / 603127015		Page 2 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	9.9	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	95	63-141	
1,2-Dichloroethane-d4	96	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
REM-5-SS2-2	**15-09-0340-8-A**	**09/03/15 13:52**	**Solid**	**GC/MS T**	**09/03/15**	**09/03/15 18:16**	**150903L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	94	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-10134**	**N/A**	**Solid**	**GC/MS T**	**09/03/15**	**09/03/15 11:31**	**150903L001**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: POLA SCIG / 603127015

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: N/A
Method: EPA 300.0

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-SS2-1	**Sample**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 19:06**	**150903S01P**
REM-5-SS2-1	**Matrix Spike**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 19:44**	**150903S01P**
REM-5-SS2-1	**Matrix Spike Duplicate**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 20:02**	**150903S01P**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfate	249.6	500.0	810.7	112	797.4	110	80-120	2	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-09-0246-23	**Sample**	**Solid**	**GC 46**	**09/03/15**	**09/04/15 01:14**	**150903S14**
15-09-0246-23	**Matrix Spike**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 21:26**	**150903S14**
15-09-0246-23	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 21:44**	**150903S14**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	426.0	107	400.7	100	64-130	6	0-15	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3050B
Method: EPA 6010B

Project: POLA SCIG / 603127015

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-09-0275-5	**Sample**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 13:51**	**150903S01**
15-09-0275-5	**Matrix Spike**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 13:53**	**150903S01**
15-09-0275-5	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 13:54**	**150903S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	-2.934	-12	-3.134	-13	50-115	0	0-20	3
Arsenic	ND	25.00	22.80	91	21.49	86	75-125	6	0-20	
Barium	140.4	25.00	155.6	4X	153.1	4X	75-125	4X	0-20	Q
Beryllium	0.4563	25.00	29.38	116	28.26	111	75-125	4	0-20	
Cadmium	ND	25.00	21.70	87	19.97	80	75-125	8	0-20	
Chromium	47.66	25.00	79.73	128	77.94	121	75-125	2	0-20	3
Cobalt	22.32	25.00	47.87	102	49.21	108	75-125	3	0-20	
Copper	1779	25.00	2008	4X	1525	4X	75-125	4X	0-20	Q
Lead	42.75	25.00	66.83	96	68.33	102	75-125	2	0-20	
Molybdenum	0.3091	25.00	25.06	99	24.20	96	75-125	3	0-20	
Nickel	2275	25.00	1975	4X	2122	4X	75-125	4X	0-20	Q
Selenium	ND	25.00	16.73	67	16.43	66	75-125	2	0-20	3
Silver	ND	12.50	4.864	39	4.251	34	75-125	13	0-20	3
Thallium	ND	25.00	19.04	76	18.05	72	75-125	5	0-20	3
Vanadium	51.54	25.00	85.83	137	82.22	123	75-125	4	0-20	3
Zinc	199.9	25.00	200.4	4X	244.2	4X	75-125	4X	0-20	Q

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: POLA SCIG / 603127015	Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-09-0281-1	**Sample**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 14:42**	**150903S01**
15-09-0281-1	**Matrix Spike**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 14:44**	**150903S01**
15-09-0281-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 14:46**	**150903S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8065	97	0.8109	97	71-137	1	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-5S-S5-1.5	**Sample**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 14:11**	**150903S13**
REM-5-5S-S5-1.5	**Matrix Spike**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 16:06**	**150903S13**
REM-5-5S-S5-1.5	**Matrix Spike Duplicate**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 16:20**	**150903S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	16.66	67	13.63	55	50-135	20	0-25	
Alpha-BHC	ND	25.00	21.02	84	17.77	71	50-135	17	0-25	
Beta-BHC	ND	25.00	19.49	78	15.78	63	50-135	21	0-25	
4,4'-DDD	39.06	25.00	79.30	161	66.37	109	50-135	18	0-25	3
4,4'-DDE	2029	25.00	2666	2549	2559	2120	50-135	4	0-25	3
4,4'-DDT	23.77	25.00	41.77	72	35.24	46	50-135	17	0-25	3
Delta-BHC	ND	25.00	18.68	75	15.11	60	50-135	21	0-25	
Dieldrin	ND	25.00	20.03	80	16.67	67	50-135	18	0-25	
Endosulfan I	ND	25.00	20.21	81	17.00	68	50-135	17	0-25	
Endosulfan II	ND	25.00	22.46	90	18.71	75	50-135	18	0-25	
Endosulfan Sulfate	ND	25.00	20.75	83	19.26	77	50-135	7	0-25	
Endrin	ND	25.00	21.90	88	18.33	73	50-135	18	0-25	
Endrin Aldehyde	ND	25.00	18.60	74	17.51	70	50-135	6	0-25	
Gamma-BHC	ND	25.00	19.14	77	15.83	63	50-135	19	0-25	
Heptachlor	ND	25.00	18.00	72	14.34	57	50-135	23	0-25	
Heptachlor Epoxide	ND	25.00	54.47	218	46.72	187	50-135	15	0-25	3
Methoxychlor	ND	25.00	31.67	127	26.55	106	50-135	18	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.	Date Received:	09/03/15
17781 Cowan, Suite 140	Work Order:	15-09-0340
Irvine, CA 92614-6009	Preparation:	EPA 3545
	Method:	EPA 8082
Project: POLA SCIG / 603127015		Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-5S-S5-1.5	**Sample**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 11:39**	**150903S14**
REM-5-5S-S5-1.5	**Matrix Spike**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 13:26**	**150903S14**
REM-5-5S-S5-1.5	**Matrix Spike Duplicate**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 13:44**	**150903S14**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	85.64	86	37.70	38	50-135	78	0-20	3,4
Aroclor-1260	ND	100.0	111.3	111	46.92	47	50-135	81	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3545
Method: EPA 8270C

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
REM-5-SS2-2	**Sample**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 13:13**	**150903S12**
REM-5-SS2-2	**Matrix Spike**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 12:37**	**150903S12**
REM-5-SS2-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 12:55**	**150903S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	5.083	51	7.595	76	34-148	40	0-20	4
Acenaphthylene	ND	10.00	4.919	49	7.315	73	53-120	39	0-20	3,4
Butyl Benzyl Phthalate	ND	10.00	4.897	49	7.439	74	15-189	41	0-20	4
4-Chloro-3-Methylphenol	ND	10.00	5.721	57	8.353	84	32-120	37	0-20	4
2-Chlorophenol	ND	10.00	4.924	49	7.416	74	53-120	40	0-20	3,4
1,4-Dichlorobenzene	ND	10.00	3.687	37	4.837	48	43-120	27	0-26	3,4
Dimethyl Phthalate	ND	10.00	5.009	50	7.494	75	44-122	40	0-20	4
2,4-Dinitrotoluene	ND	10.00	5.779	58	8.326	83	28-120	36	0-20	4
Fluorene	ND	10.00	5.329	53	7.779	78	12-186	37	0-20	4
N-Nitroso-di-n-propylamine	ND	10.00	4.422	44	6.743	67	38-140	42	0-20	4
Naphthalene	ND	10.00	4.421	44	6.586	66	20-140	39	0-20	4
4-Nitrophenol	ND	10.00	5.464	55	7.321	73	14-128	29	0-59	
Pentachlorophenol	ND	10.00	6.320	63	7.901	79	10-124	22	0-20	4
Phenol	ND	10.00	4.959	50	7.541	75	22-124	41	0-20	4
Pyrene	ND	10.00	5.056	51	7.698	77	31-169	41	0-20	4
1,2,4-Trichlorobenzene	ND	10.00	4.672	47	6.714	67	56-120	36	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B

Project: POLA SCIG / 603127015

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-09-0132-6	**Sample**	**Solid**	**GC/MS T**	**09/02/15**	**09/03/15 12:26**	**150903S001**
15-09-0132-6	**Matrix Spike**	**Solid**	**GC/MS T**	**09/02/15**	**09/03/15 13:20**	**150903S001**
15-09-0132-6	**Matrix Spike Duplicate**	**Solid**	**GC/MS T**	**09/02/15**	**09/03/15 13:47**	**150903S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	7.718	50.00	55.97	97	53.66	92	61-127	4	0-20	
Carbon Tetrachloride	ND	50.00	32.51	65	35.49	71	51-135	9	0-29	
Chlorobenzene	ND	50.00	45.74	91	44.99	90	57-123	2	0-20	
1,2-Dibromoethane	ND	50.00	44.32	89	43.69	87	64-124	1	0-20	
1,2-Dichlorobenzene	ND	50.00	45.74	91	45.73	91	35-131	0	0-25	
1,2-Dichloroethane	ND	50.00	46.54	93	46.11	92	80-120	1	0-20	
1,1-Dichloroethene	ND	50.00	40.94	82	41.46	83	47-143	1	0-25	
Ethylbenzene	13.43	50.00	67.22	108	61.86	97	57-129	8	0-22	
Toluene	ND	50.00	46.66	93	46.68	93	63-123	0	0-20	
Trichloroethene	ND	50.00	46.63	93	46.84	94	44-158	0	0-20	
Vinyl Chloride	ND	50.00	40.92	82	41.53	83	49-139	1	0-47	
p/m-Xylene	28.21	100.0	133.5	105	123.7	95	70-130	8	0-30	
o-Xylene	ND	50.00	45.58	91	44.69	89	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	43.65	50.00	83.48	80	81.96	77	57-123	2	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS/PDSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
15-09-0275-5	**Sample**	**Solid**	**ICP 7300**	**09/03/15 00:00**	**09/03/15 13:51**	**150903S01**
15-09-0275-5	**PDS**	**Solid**	**ICP 7300**	**09/03/15 00:00**	**09/03/15 14:40**	**150903S01**
15-09-0275-5	**PDSD**	**Solid**	**ICP 7300**	**09/03/15 00:00**	**09/03/15 14:42**	**150903S01**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	250.0	255.4	102	242.9	97	75-125	5	0-20	
Arsenic	ND	250.0	244.7	98	234.8	94	75-125	4	0-20	
Barium	140.4	250.0	422.1	113	420.1	112	75-125	0	0-20	
Beryllium	0.4563	250.0	271.2	108	258.7	103	75-125	5	0-20	
Cadmium	ND	250.0	254.3	102	247.6	99	75-125	3	0-20	
Chromium	47.66	250.0	322.2	110	315.2	107	75-125	2	0-20	
Cobalt	22.32	250.0	302.0	112	292.3	108	75-125	3	0-20	
Copper	1779	250.0	2043	4X	1986	4X	75-125	4X	0-20	Q
Lead	42.75	250.0	318.7	110	308.7	106	75-125	3	0-20	
Molybdenum	0.3091	250.0	261.0	104	254.6	102	75-125	2	0-20	
Nickel	2275	250.0	2794	4X	2729	4X	75-125	4X	0-20	Q
Selenium	ND	250.0	247.3	99	239.6	96	75-125	3	0-20	
Silver	ND	125.0	122.2	98	119.1	95	75-125	3	0-20	
Thallium	ND	250.0	277.1	111	267.9	107	75-125	3	0-20	
Vanadium	51.54	250.0	316.2	106	308.0	103	75-125	3	0-20	
Zinc	199.9	250.0	467.5	107	457.2	103	75-125	2	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Sample Duplicate

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: N/A
	Method: EPA 376.2M
Project: POLA SCIG / 603127015	Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
15-09-0220-11	**Sample**	**Solid**	**N/A**	**09/04/15 00:00**	**09/04/15 15:09**	**F0904SD1**
15-09-0220-11	**Sample Duplicate**	**Solid**	**N/A**	**09/04/15 00:00**	**09/04/15 15:09**	**F0904SD1**

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Sulfide, Total	ND	ND	N/A	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: N/A
Method: EPA 300.0

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-922-646	**LCS**	**Solid**	**IC 10**	**09/03/15**	**09/03/15 18:20**	**150903L01P**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Sulfate	500.0	472.9	95	90-110	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: N/A
Method: EPA 376.2M

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-001-5520	**LCS**	**Solid**	**N/A**	**09/04/15**	**09/04/15 15:09**	**F0904SL1**
099-05-001-5520	**LCSD**	**Solid**	**N/A**	**09/04/15**	**09/04/15 15:09**	**F0904SL1**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Sulfide, Total	1.000	0.8500	85	0.9000	90	80-120	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 3550B
	Method: EPA 8015B (M)
Project: POLA SCIG / 603127015	Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1751	**LCS**	**Solid**	**GC 46**	**09/03/15**	**09/03/15 21:09**	**150903B14**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	423.5	106	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 3050B
	Method: EPA 6010B
Project: POLA SCIG / 603127015	Page 4 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-21713	**LCS**	**Solid**	**ICP 7300**	**09/03/15**	**09/03/15 13:45**	**150903L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	24.98	100	80-120	73-127	
Arsenic	25.00	24.60	98	80-120	73-127	
Barium	25.00	26.54	106	80-120	73-127	
Beryllium	25.00	25.20	101	80-120	73-127	
Cadmium	25.00	25.82	103	80-120	73-127	
Chromium	25.00	26.91	108	80-120	73-127	
Cobalt	25.00	27.26	109	80-120	73-127	
Copper	25.00	25.95	104	80-120	73-127	
Lead	25.00	26.43	106	80-120	73-127	
Molybdenum	25.00	25.40	102	80-120	73-127	
Nickel	25.00	26.97	108	80-120	73-127	
Selenium	25.00	23.92	96	80-120	73-127	
Silver	12.50	12.67	101	80-120	73-127	
Thallium	25.00	25.56	102	80-120	73-127	
Vanadium	25.00	26.02	104	80-120	73-127	
Zinc	25.00	25.59	102	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: POLA SCIG / 603127015	Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-1578	**LCS**	**Solid**	**Mercury 05**	**09/03/15**	**09/03/15 14:39**	**150903L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.9111	109	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8081A
Project: POLA SCIG / 603127015	Page 6 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2246	**LCS**	**Solid**	**GC 51**	**09/03/15**	**09/04/15 17:04**	**150903L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	12.89	52	50-135	36-149	
Alpha-BHC	25.00	14.32	57	50-135	36-149	
Beta-BHC	25.00	12.86	51	50-135	36-149	
4,4'-DDD	25.00	14.79	59	50-135	36-149	
4,4'-DDE	25.00	15.16	61	50-135	36-149	
4,4'-DDT	25.00	15.18	61	50-135	36-149	
Delta-BHC	25.00	13.82	55	50-135	36-149	
Dieldrin	25.00	13.74	55	50-135	36-149	
Endosulfan I	25.00	12.33	49	50-135	36-149	ME
Endosulfan II	25.00	13.62	54	50-135	36-149	
Endosulfan Sulfate	25.00	13.46	54	50-135	36-149	
Endrin	25.00	15.72	63	50-135	36-149	
Endrin Aldehyde	25.00	12.66	51	50-135	36-149	
Gamma-BHC	25.00	15.21	61	50-135	36-149	
Heptachlor	25.00	13.54	54	50-135	36-149	
Heptachlor Epoxide	25.00	12.93	52	50-135	36-149	
Methoxychlor	25.00	14.85	59	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8082
Project: POLA SCIG / 603127015	Page 7 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3397	**LCS**	**Solid**	**GC 66**	**09/03/15**	**09/04/15 11:04**	**150903L14**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	69.02	69	50-135	
Aroclor-1260	100.0	67.60	68	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.	Date Received: 09/03/15
17781 Cowan, Suite 140	Work Order: 15-09-0340
Irvine, CA 92614-6009	Preparation: EPA 3545
	Method: EPA 8270C
Project: POLA SCIG / 603127015	Page 8 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-549-3386	**LCS**	**Solid**	**GC/MS CCC**	**09/03/15**	**09/04/15 12:11**	**150903L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	8.266	83	51-123	39-135	
Acenaphthylene	10.00	8.008	80	52-120	41-131	
Butyl Benzyl Phthalate	10.00	7.796	78	43-139	27-155	
4-Chloro-3-Methylphenol	10.00	8.966	90	55-121	44-132	
2-Chlorophenol	10.00	8.541	85	58-124	47-135	
1,4-Dichlorobenzene	10.00	7.580	76	42-132	27-147	
Dimethyl Phthalate	10.00	8.575	86	51-123	39-135	
2,4-Dinitrotoluene	10.00	9.636	96	51-129	38-142	
Fluorene	10.00	8.653	87	54-126	42-138	
N-Nitroso-di-n-propylamine	10.00	7.716	77	40-136	24-152	
Naphthalene	10.00	7.934	79	32-146	13-165	
4-Nitrophenol	10.00	7.867	79	24-126	7-143	
Pentachlorophenol	10.00	6.328	63	23-131	5-149	
Phenol	10.00	8.214	82	40-130	25-145	
Pyrene	10.00	8.078	81	47-143	31-159	
1,2,4-Trichlorobenzene	10.00	8.466	85	45-129	31-143	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Leighton Consulting, Inc.
17781 Cowan, Suite 140
Irvine, CA 92614-6009

Project: POLA SCIG / 603127015

Date Received: 09/03/15
Work Order: 15-09-0340
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-10134	**LCS**	**Solid**	**GC/MS T**	**09/03/15**	**09/03/15 10:25**	**150903L001**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	52.29	105	78-120	71-127	
Carbon Tetrachloride	50.00	44.04	88	49-139	34-154	
Chlorobenzene	50.00	50.70	101	79-120	72-127	
1,2-Dibromoethane	50.00	47.37	95	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.01	100	75-120	68-128	
1,2-Dichloroethane	50.00	48.82	98	80-120	73-127	
1,1-Dichloroethene	50.00	45.06	90	74-122	66-130	
Ethylbenzene	50.00	53.39	107	76-120	69-127	
Toluene	50.00	51.60	103	77-120	70-127	
Trichloroethene	50.00	54.82	110	80-120	73-127	
Vinyl Chloride	50.00	36.26	73	68-122	59-131	
p/m-Xylene	100.0	103.1	103	75-125	67-133	
o-Xylene	50.00	49.07	98	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	38.17	76	77-120	70-127	ME

Total number of LCS compounds: 14
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-09-0340 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	1027	IC 10	1
EPA 376.2M	N/A	880	N/A	1
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	1004	Mercury 05	1
EPA 8015B (M)	EPA 3550B	682	GC 46	1
EPA 8081A	EPA 3545	669	GC 51	1
EPA 8081A	EPA 3545	960	GC 51	1
EPA 8082	EPA 3545	944	GC 66	1
EPA 8260B	EPA 5030C	849	GC/MS T	2
EPA 8270C	EPA 3545	923	GC/MS CCC	1

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Glossary of Terms and Qualifiers

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-09-0340**

DATE: ~~8~~ 9/3/15
PAGE: 1 OF 1

LABORATORY CLIENT: Leighton Consulting
ADDRESS: 17781 Cowan
CITY: Irvine STATE: CA ZIP: 92614
TEL: (949) 681-4211 E-MAIL: mwithrow@leightongroup.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
EDD: ☐ COELT EDF ☐ OTHER
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: POLA SCIG
P.O. NO.: 603127 015
PROJECT CONTACT: Mark Withrow
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) SH/TR

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Lead	Sulfide + Sulfate		
1	REM-5-SS-SS-1.5	9/3/15	10:40	Soil	1						X							X	X				X			
2	REM-5-SS-S6-2		10:42								X							X	X				X			
3	REM-5-45-N2-2		11:06								X							X	X							
4	REM-5-45-E2-2		11:08								X							X	X							
5	REM-7-S-N4-2.5		12:52								X															
6	REM-7-S-N5-4		12:55								X															
7	REM-5-SS2-1		13:50								X			X			X	X	X		X			X		
8	REM-5-SS2-2		13:52								X			X			X	X	X		X			X		

Relinquished by: (Signature) Tyler Ridge	Received by: (Signature/Affiliation) Dannyle ECC	Date: 9/3/15	Time: 15:05
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2015-05-13 Revision

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WORK ORDER NUMBER: 15-09- 0340

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Leighton Consulting

DATE: 09 / 03 / 2015

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC5 (CF:-0.2°C); Temperature (w/o CF): 3.7 °C (w/ CF): 3.5 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 659

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 659

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☐ 4ozCGJ ☑ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **znna** = $Zn(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 659

Reviewed by: SM

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APPENDIX D

Revised

CLASSIFICATION YARD
EXCAVATIONS FOR REMEDIATION

FILE A6138.XLSX
DISC: 3037
10-Sep-15
ESPARZA

HORIZONTAL & VERTICAL CONTROL: E4991.PRO

NAME	NORTHING	EASTING	ELEVATION		DEPTH	VOLUME
			SURFACE	BOTTOM		CUBIC FEET
REM1	1750811.0	6493671.7	19.8	16.3	3.5	94
REM1	1750809.9	6493677.0	19.8	16.3	3.5	*
REM1	1750815.9	6493672.5	19.8	16.3	3.5	*
REM1	1750814.9	6493677.7	19.8	16.3	3.5	*
REM2	1751028.1	6493593.9	19.6	16.1	3.5	88
REM2	1751023.2	6493594.9	19.6	16.1	3.5	*
REM2	1751029.2	6493598.8	19.6	16.1	3.5	*
REM2	1751024.4	6493600.0	19.6	16.1	3.5	*
REM3	1750937.2	6493832.0	19.3	16.3	3.0	75
REM3	1750932.2	6493832.7	19.3	16.3	3.0	*
REM3	1750937.5	6493837.2	19.3	16.3	3.0	*
REM3	1750932.4	6493837.6	19.3	16.3	3.0	*
REM4	1751170.3	6494036.9	20.6	17.6	3.0	126
REM4	1751172.3	6494046.6	20.6	17.6	3.0	*
REM4	1751166.9	6494041.9	20.6	17.6	3.0	*
REM4	1751175.7	6494041.3	20.6	17.6	3.0	*
REM-5-1S	1750810.0	6493526.1	18.6	15.1	3.5	360
REM-5-1S	1750814.2	6493517.0	18.6	15.1	3.5	*
REM-5-1S	1750805.4	6493513.2	18.6	15.1	3.5	*
REM-5-1S	1750800.1	6493522.3	18.6	15.1	3.5	*
REM-5-2S	1750881.2	6493541.0	18.8	15.3	3.5	1005
REM-5-2S	1750877.3	6493551.0	18.8	15.3	3.5	*
REM-5-2S	1750857.1	6493532.2	18.8	15.3	3.5	*
REM-5-2S	1750853.0	6493543.2	18.8	15.3	3.5	*
REM5-3S	1750834.7	6493561.8	18.8	15.3	3.5	3950
REM5-3S	1750863.0	6493571.2	18.8	15.3	3.5	*
REM5-3S	1750851.8	6493605.5	19.0	15.5	3.5	*
REM5-3S	1750821.3	6493596.5	19.2	15.7	3.5	*
REM5-4S	1750874.5	6493590.9	19.0	15.5	3.5	360
REM5-4S	1750873.3	6493601.6	19.0	15.5	3.5	*
REM5-4S	1750883.1	6493602.1	19.0	15.5	3.5	*
REM5-4S	1750884.4	6493592.1	19.0	15.5	3.5	*

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NAME	NORTHING	EASTING	ELEVATION SURFACE	ELEVATION BOTTOM	DEPTH	VOLUME CUBIC FEET
REM5-5S	1750814.2	6493612.4	19.2	15.7	3.5	7025
REM5-5S	1750777.2	6493599.5	19.2	15.7	3.5	*
REM5-5S	1750784.8	6493578.0	19.2	15.7	3.5	*
REM5-5S	1750784.7	6493578.1	19.2	15.7	3.5	*
REM5-5S	1750781.9	6493576.5	19.0	15.5	3.5	*
REM5-5S	1750788.3	6493555.6	18.8	15.3	3.5	*
REM5-5S	1750822.9	6493566.0	18.9	15.4	3.5	*
REM5-5S	1750825.9	6493558.9	18.7	15.2	3.5	*
REM5-5S	1750834.6	6493561.7	18.7	15.2	3.5	*
REM-5-6S	1750899.1	6493544.0	18.8	15.3	3.5	350
REM-5-6S	1750902.1	6493535.2	18.8	15.3	3.5	*
REM-5-6S	1750892.2	6493532.0	18.8	15.3	3.5	*
REM-5-6S	1750889.0	6493540.2	18.8	15.3	3.5	*
REM-5-7S	1750889.1	6493573.2	18.9	14.9	4.0	415
REM-5-7S	1750893.2	6493564.1	18.9	14.9	4.0	*
REM-5-7S	1750883.0	6493560.2	18.9	14.9	4.0	*
REM-5-7S	1750880.2	6493570.1	18.9	14.9	4.0	*
REM6	1749731.0	6492900.5	16.7	13.2	3.5	560
REM6	1749725.8	6492915.2	16.7	13.2	3.5	*
REM6	1749735.3	6492918.4	16.6	13.1	3.5	*
REM6	1749740.9	6492903.6	16.6	13.1	3.5	*
REM7	1749809.6	6492720.2	17.3	12.3	5.0	790
REM7	1749795.9	6492714.1	17.3	12.3	5.0	*
REM7	1749791.5	6492723.9	17.2	12.2	5.0	*
REM7	1749805.6	6492729.6	17.2	12.2	5.0	*
REM8	1750568.1	6493389.1	17.9	14.3	3.6	90
REM8	1750572.7	6493391.4	17.9	14.3	3.6	*
REM8	1750565.9	6493393.5	17.9	14.3	3.6	*
REM8	1750570.5	6493395.9	17.9	14.3	3.6	*
REM9	1748585.0	6492354.1	12.7	7.7	5.0	250
REM9	1748583.9	6492359.0	12.7	7.7	5.0	*
REM9	1748594.4	6492356.5	12.7	7.7	5.0	*
REM9	1748593.3	6492361.5	12.7	7.7	5.0	*
REM10	1748887.1	6492448.1	14.9	9.7	5.2	130
REM10	1748882.3	6492445.8	14.9	9.7	5.2	*
REM10	1748880.6	6492450.1	14.9	9.7	5.2	*
REM10	1748885.0	6492452.1	14.9	9.7	5.2	*

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APPENDIX E

Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: **Port of Los Angeles**	**Site Location:** **Classification Yard - SCIG** **Wilmington, CA**	**Project No.** **603127.015**

Photo No. 1	
View Direction of Photo: North	
Description: Sampling the North wall of REM-1	

Photo No. 2	
View Direction of Photo: Northeast	
Description: View of the REM-2 excavation pit after sampling.	

Revised

Leighton Consulting, Inc.

PHOTOGRAPHIC RECORD

Client Name:	Site Location: Classification Yard - SCIG	Project No.
Port of Los Angeles	Wilmington, CA	603127.015

Photo No. 3

View Direction of Photo:

North

Description:

View of the North wall of the REM-3 excavation before backfill.



Photo No. 4

View Direction of Photo:

South

Description:

View of the South wall of REM-4.



Revised

Leighton Consulting, Inc.

PHOTOGRAPHIC RECORD

Client Name:	Site Location: Classification Yard - SCIG	Project No.
Port of Los Angeles	Wilmington, CA	603127.015

Photo No. 5

View Direction of Photo:

West

Description:
View of the West wall of the REM-5-1S excavation pit.

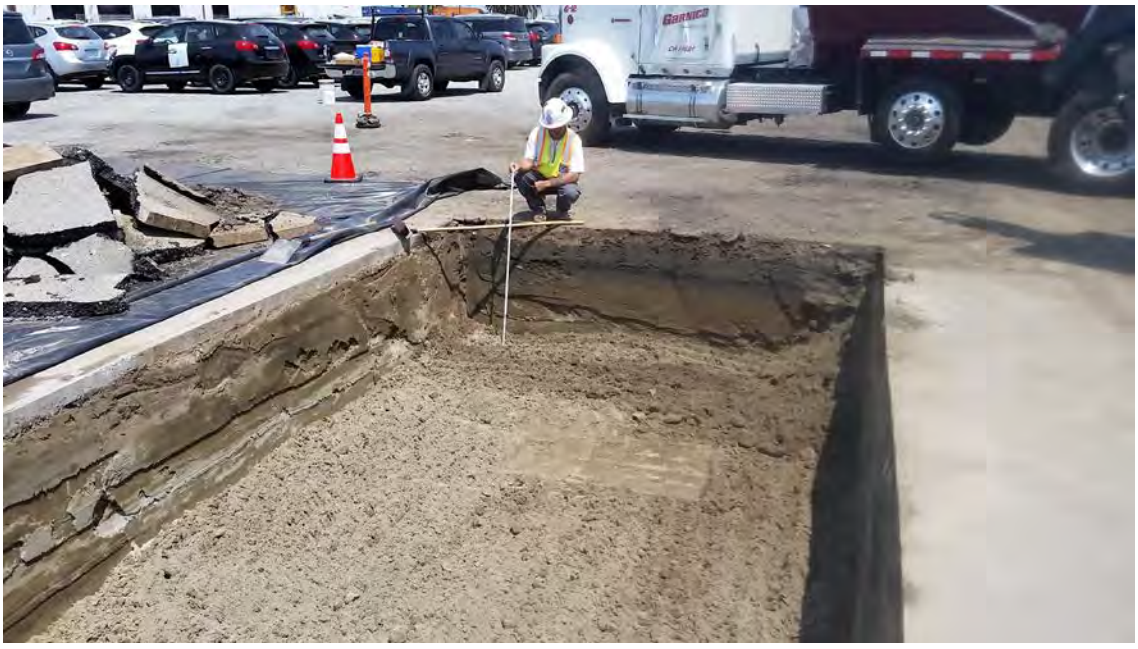


Photo No. 6

View Direction of Photo:
North

Description:

The REM-5-2S excavation with black staining noted in the upper foot on the North wall.



Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: Port of Los Angeles	**Site Location:** Classification Yard - SCIG Wilmington, CA	**Project No.** 603127.015

Photo No. 7	
View Direction of Photo: East	
Description: View of the REM-5-3S East wall with a thin gravel layer of black stained soil at approximately 1.5 feet.	

Photo No. 8	
View Direction of Photo: East	
Description: Backfill of the REM-5-3S excavation.	

Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: **Port of Los Angeles**	**Site Location:** **Classification Yard - SCIG** **Wilmington, CA**	**Project No.** **603127.015**

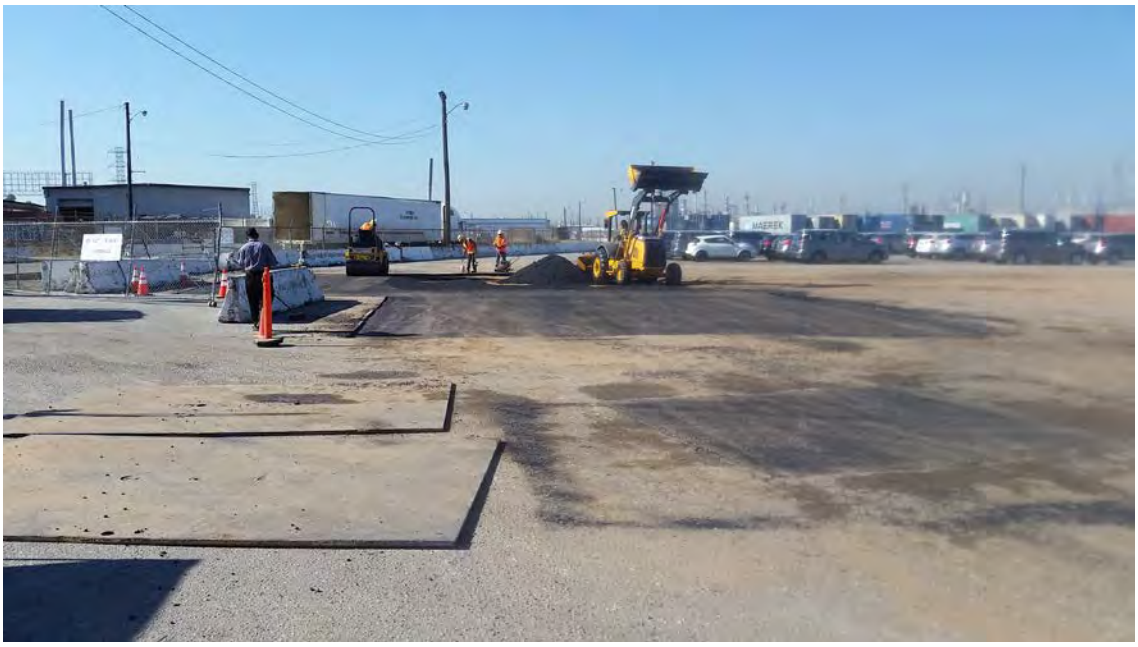
Photo No. 9	
View Direction of Photo: South	
Description: The REM-5-3S/5S excavation site being paved.	

Photo No. 10	
View Direction of Photo: North	
Description: View of samples being taken from the REM-5-4S excavation. A thin layer of black staining is noted along the north and east sidewalls of the excavation.	

Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: Port of Los Angeles	**Site Location:** Classification Yard - SCIG Wilmington, CA	**Project No.** 603127.015

Photo No. 11	
View Direction of Photo: West	
Description: View of REM-5S with a thin layer of stained soil observed along the West wall.	

Photo No. 12	
View Direction of Photo: East	
Description: View of REM-5S during the backfill process.	

Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: **Port of Los Angeles**	**Site Location:** **Classification Yard - SCIG** **Wilmington, CA**	**Project No.** **603127.015**

Photo No. 13	
View Direction of Photo: North	
Description: View of REM-5-6S excavation backfill and nuclear gauge test pit.	

Photo No. 14	
View Direction of Photo: Southeast	
Description: View of the REM-6 excavation pit. A thin layer of black stained soil is observed along the South and East sidewalls.	

Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: Port of Los Angeles	**Site Location:** Classification Yard - SCIG Wilmington, CA	**Project No.** 603127.015

Photo No. 15	
View Direction of Photo: North	
Description: Sample collected from the North wall of REM-7.	

Photo No. 16	
View Direction of Photo: West	
Description: View of the REM-8 excavation and stockpiled soil.	

Revised

Leighton Consulting, Inc.

PHOTOGRAPHIC RECORD

Client Name:	Site Location: Classification Yard - SCIG	Project No.
Port of Los Angeles	Wilmington, CA	603127.015

Photo No. 17

View Direction of Photo:

West

Description:

REM-9 excavation covered by a steel plate and stockpile soil covered in plastic sheeting.



Photo No. 18

View Direction of Photo:

North

Description:

View of the REM-10 excavation pit.



Revised

Leighton Consulting, Inc.	PHOTOGRAPHIC RECORD	
Client Name: Port of Los Angeles	**Site Location:** Classification Yard - SCIG Wilmington, CA	**Project No.** 603127.015

Photo No. 19	
View Direction of Photo: Southwest	
Description: View of the REM-5 stockpile and truck loading for offsite disposal.	

Revised

APPENDIX F

belshire
environmental services, inc.

Revised

Belshire Environmental Tonnage Report

Site Information	Disposal Facility
Port of Los Angeles - SCIG Vicinity of Sepulveda Blvd. & Pacific Co Wilmington, CA 90810 EPA ID:	Chiquita Canyon Landfill 29201 Henry Mayo Dr. Castaic, CA 91384 EPA ID:

Shipment Description	
Non-Hazardous Soil	Profile #: CCL-15-192

Shipment Date	Manifest No	Ticket No	Load	Cleanup	Tons
8/26/2015	717874	01-00769240	1		24.94
8/26/2015	717875	01-00769268	2		24.19
8/26/2015	717885	01-00769386	3		24.92
8/26/2015	717877	01-00769260	4		24.25
8/26/2015	717878	01-00769271	5		26.08
8/26/2015	717879	01-00769276	6		23.26
8/26/2015	717880	01-00769283	7		24.26
8/26/2015	717881	01-00769291	8		25.46
8/26/2015	717882	01-00769309	9		25.39
8/26/2015	717883	01-00769307	10		25.55
8/26/2015	717884	01-00769373	11		24.86
8/26/2015	717876	01-00769263	12		26.11
8/26/2015	717886	01-00769398	13		24.29
8/26/2015	717887	01-00769412	14		24.08
8/26/2015	717888	01-00769431	15		25.59
8/26/2015	717889	01-00769445	16		24.69
8/26/2015	717890	01-00769444	17		23.47
8/26/2015	717891	01-00769464	18		24.36
8/26/2015	717892	01-00769470	19		21.76
8/26/2015	717893	01-00769537	20		21.35
8/26/2015	717897	01-00769770	21		22.17
8/26/2015	717901	01-00769977	22		24.12
8/27/2015	717894	01-00769697	23		24.67
8/27/2015	717895	01-00769707	24		23.55
8/27/2015	717896	01-00769730	25		24.00

Revised

Shipment Date	Manifest No	Ticket No	Load	Cleanup	Tons
8/27/2015	717898	01-00769888	26		25.03
8/27/2015	717899	01-00769950	27		25.54
8/27/2015	717900	01-00769964	28		25.15
8/28/2015	717902	01-00770220	29		24.60
8/28/2015	717903	01-00770289	30		24.61
8/28/2015	717904	01-00770467	31		25.99
9/15/2015	717905	01-00778131	32		24.53
9/15/2015	717906	01-00778218	33	Yes	16.83
Project Tonnage Total					**799.65**

Revised

NO. 717874

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpoor Signature: x [signature] Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: ANTONIO LUCATERO Signature: [signature] Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: Phone#:

Transporter 2 Printed/Typed Name: Signature: Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: [signature] Signature: [signature] Month 8 Day 26 Year 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-045
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717874

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 09:03:16
DATE OUT: 08/26/2015 TIME OUT: 09:03:16

INBOUND TICKET Number: 01-00769240

SCALE 2 GROSS WT.	78620	LB
STORED TARE WT.	28740	LB
NET WEIGHT	49880	LB

Qty	Description	Amount
24.94	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717875

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%	3.		
2. TPH		< 0.1%	4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpoor | Signature: X [signature] | Month/Day/Year: 8/26/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: [illegible] | Signature: [signature] | Month/Day/Year: 8/26/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month/Day/Year:

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: [illegible] | Signature: [signature] | Month/Day/Year: 8/26/15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-13
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717875

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 09:50:51
DATE OUT: 08/26/2015 TIME OUT: 09:50:51

INBOUND TICKET Number: 01-00769268

SCALE 2 GROSS WT.	76360	LB
STORED TARE WT.	27980	LB
NET WEIGHT	48380	LB

Qty	Description	Amount
24.19	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717885

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Daniel Perez | Signature: [signature] | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: A-Perez trucking #8 | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-AP8
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717885

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 13:08:12
DATE OUT: 08/26/2015 TIME OUT: 13:08:12

INBOUND TICKET Number: 01-00769386

SCALE 2 GROSS WT.	77940	LB
STORED TARE WT.	28100	LB
NET WEIGHT	49840	LB

Qty	Description	Amount
24.92	Soil - Non Hazardous	

X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717877

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%	3.		
2. TPH		< 0.1%	4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: M Cristian Cerezo | Signature | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: WS-29904
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717877

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 09:35:53
DATE OUT: 08/26/2015 TIME OUT: 09:35:53

INBOUND TICKET Number: 01-00769260

SCALE 2 GROSS WT.	79500	LB
STORED TARE WT.	31000	LB
NET WEIGHT	48500	LB

Qty	Description	Amount
24.25	Soil - Non Hazardous	



X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717878

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

CJ Trucking 105

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1 Volume

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name: Rafael V. | Signature | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ105
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717878

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 09:54:15
DATE OUT: 08/26/2015 TIME OUT: 09:54:15

INBOUND TICKET Number: 01-00769271

SCALE 3 GROSS WT.	86180	LB
STORED TARE WT.	34020	LB
NET WEIGHT	52160	LB

Qty	Description	Amount
26.08	Soil - Non Hazardous	

X _____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717879

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: Shirin Sadrpour | Month/Day/Year: 8/26/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Juan L. Vazquez | Signature: Juan L. Vazquez | Month/Day/Year: 8/26/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month/Day/Year:

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: | Signature: | Month/Day/Year: 8/26/15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this dataform.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ104
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717879

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 10:00:32
DATE OUT: 08/26/2015 TIME OUT: 10:00:32

INBOUND TICKET Number: 01-00769276

SCALE 2 GROSS WT.	81600	LB
STORED TARE WT.	35080	LB
NET WEIGHT	46520	LB

Qty	Description	Amount
23.26	Soil - Non Hazardous	

X Juan L. Vara

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717880

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

CJ #106

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322. Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Joshua Mi | Signature: Joshua Mi | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ106
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717880

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 10:25:40
DATE OUT: 08/26/2015 TIME OUT: 10:25:40

INBOUND TICKET Number: 01-00769283

SCALE 3 GROSS WT.	82080	LB
STORED TARE WT.	33560	LB
NET WEIGHT	48520	LB

Qty	Description	Amount
24.26	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717881

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Ernesto S. | Signature | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: CJ Trucking #101 | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ101
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717881

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 10:35:02
DATE OUT: 08/26/2015 TIME OUT: 10:35:02

INBOUND TICKET Number: 01-00769291

SCALE 2 GROSS WT.	81300	LB
STORED TARE WT.	30380	LB
NET WEIGHT	50920	LB

Qty	Description	Amount
25.46	Soil - Non Hazardous	

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717882

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1 Volume

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name	Signature	Month	Day	Year
Shirin Sadrpour	x Shirin	8	26	15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name	Phone#
BELSHIRE	949-460-5200

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Juan Marquilla	Juan Marquilla	8	26	15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name	Phone#
CJ trucking	

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
CJ trucking				

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name	Signature	Month	Day	Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
Deposit: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-110
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717882

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 10:57:49
DATE OUT: 08/26/2015 TIME OUT: 11:19:58

INBOUND TICKET Number: 01-00769309

SCALE 2 GROSS WT.	86540	LB
SCALE 1 TARE WT.	35760	LB
NET WEIGHT	50780	LB

Qty	Description	Amount
25.39	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717883

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck

☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck

☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%	3.		
2. TPH		< 0.1%	4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month Day Year: 8 26 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: James Guzman | Signature | Month Day Year: 8 26 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year: 8 26 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ109
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717883

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 10:55:39
DATE OUT: 08/26/2015 TIME OUT: 10:55:39

INBOUND TICKET Number: 01-00769307

SCALE 2 GROSS WT.	84280	LB
STORED TARE WT.	33180	LB
NET WEIGHT	51100	LB

Qty	Description	Amount
25.55	Soil - Non Hazardous	

X _____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717884

NON-HAZARDOUS WASTE DATA FORM

BESI #: 257988

GENERATOR

Generator's Name and Mailing Address:
PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address):
PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site: ☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility: ☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Antonio Lucatero | Signature: [signature] | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address:
CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: [illegible] | Signature: [signature] | Month 8 Day 26 Year 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-045
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717884

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 12:50:47
DATE OUT: 08/26/2015 TIME OUT: 12:50:47

INBOUND TICKET Number: 01-00769373

SCALE 3 GROSS WT.	78460	LB
STORED TARE WT.	28740	LB
NET WEIGHT	49720	LB

Qty	Description	Amount
24.86	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717876

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%	3.		
2. TPH		< 0.1%	4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone# 949-460-5200

Transporter 1 Printed/Typed Name: Daniel Perez | Signature | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: A. Perez trucking #8 | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-AP8
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717876

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 09:40:09
DATE OUT: 08/26/2015 TIME OUT: 09:40:09

INBOUND TICKET Number: 01-00769263

SCALE 2 GROSS WT.	80320	LB
STORED TARE WT.	28100	LB
NET WEIGHT	52220	LB

Qty	Description	Amount
26.11	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717886

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%	3.		
2. TPH		< 0.1%	4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month/Day/Year: 8/26/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Cristian Cerezo | Signature: [signature] | Month/Day/Year: 8/26/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month/Day/Year:

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: [illegible] | Signature: [signature] | Month/Day/Year: 8/26/15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: WS-29904
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717886

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 13:36:14
DATE OUT: 08/26/2015 TIME OUT: 13:36:14

INBOUND TICKET Number: 01-00769398

SCALE 2 GROSS WT.	79580	LB
STORED TARE WT.	31000	LB
NET WEIGHT	48580	LB

Qty	Description	Amount
24.29	Soil - Non Hazardous	

X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717887

NON-HAZARDOUS WASTE DATA FORM

BEST # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin Sadrpour | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Juan I. Vaca | Signature: Juan I. Vaca | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ104
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717887

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 13:53:28
DATE OUT: 08/26/2015 TIME OUT: 13:53:28

INBOUND TICKET Number: 01-00769412

SCALE 2 GROSS WT.	83240	LB
STORED TARE WT.	35080	LB
NET WEIGHT	48160	LB

Qty	Description	Amount
24.08	Soil - Non Hazardous	

X Juan L. Vera

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717888

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

CJ Trucking 105

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1 Volume

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile ECL-15-192 PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name: Rafael V. | Signature | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

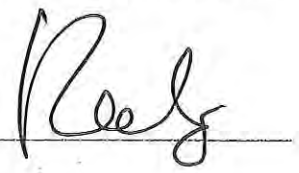
Vehicle ID: B-CJ105
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717888

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 14:16:49
DATE OUT: 08/26/2015 TIME OUT: 14:16:49

INBOUND TICKET Number: 01-00769431

SCALE 2 GROSS WT.	85200	LB
STORED TARE WT.	34020	LB
NET WEIGHT	51180	LB

Qty	Description	Amount
25.59	Soil - Non Hazardous	

X 

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717889

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin Sadrpour | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: John C. Alvarado | Signature: [signature] | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-13
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717889

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 14:35:43
DATE OUT: 08/26/2015 TIME OUT: 14:35:43

INBOUND TICKET Number: 01-00769445

SCALE 2 GROSS WT.	77360	LB
STORED TARE WT.	27980	LB
NET WEIGHT	49380	LB

Qty	Description	Amount
24.69	Soil - Non Hazardous	

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717890

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

CJ#106

Generator's Phone: 310-732-3675

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: [signature] | Month/Day/Year: 8/26/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Joshua M. | Signature: Joshua M | Month/Day/Year: 8/26/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month/Day/Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month/Day/Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ106
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717890

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 14:34:37
DATE OUT: 08/26/2015 TIME OUT: 14:34:37

INBOUND TICKET Number: 01-00769444

SCALE 3 GROSS WT.	80500	LB
STORED TARE WT.	33560	LB
NET WEIGHT	46940	LB

Qty	Description	Amount
23.47	Soil - Non Hazardous	

X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717891

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Ernesto S. | Signature: [signature] | Month 8 Day 26 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: CJ Trucking #101 | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: Nancy | Signature: [signature] | Month 8 Day 26 Year 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: Nancy R
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ101
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 15:21:44
DATE OUT: 08/26/2015 TIME OUT: 15:21:44

INBOUND TICKET Number: 01-00769464

SCALE 2 GROSS WT.	79100	LB
STORED TARE WT.	30380	LB
NET WEIGHT	48720	LB

Qty	Description	Amount
24.36	Soil - Non Hazardous	

X _____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717892

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month 8 Day 26 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: [illegible] | Signature: [signature] | Month 8 Day 26 Year 10

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name: Nancy R | Signature: [signature] | Month 8 Day 26 Year 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: Nancy R
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-110
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717892

Origin: SAN PEDRO
DATE IN: 08/26/2015 TIME IN: 15:46:04
DATE OUT: 08/26/2015 TIME OUT: 15:46:04

INBOUND TICKET Number: 01-00769470

SCALE 3 GROSS WT.	79280	LB
STORED TARE WT.	35760	LB
NET WEIGHT	43520	LB

Qty	Description	Amount
21.76	Soil - Non Hazardous	

X Juan Alvarez

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717893

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month/Day/Year: 8/20/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: James Guzman | Signature | Month/Day/Year: 8/25/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month/Day/Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month/Day/Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-CJ109
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717893

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 04:53:27
DATE OUT: 08/27/2015 TIME OUT: 04:53:27

INBOUND TICKET Number: 01-00769537

SCALE 2 GROSS WT.	75880	LB
STORED TARE WT.	33180	LB
NET WEIGHT	42700	LB

Qty	Description	Amount
21.35	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717897

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1 Volume

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile GCL-15-192 PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month Day Year: 8 27 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Cristian Cenero | Signature | Month Day Year: 8 27 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: WS-29904
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717897

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 10:53:19
DATE OUT: 08/27/2015 TIME OUT: 10:53:19

INBOUND TICKET Number: 01-00769770

SCALE 2 GROSS WT.	75340	LB
STORED TARE WT.	31000	LB
NET WEIGHT	44340	LB

Qty	Description	Amount
22.17	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717901

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month/Day/Year: 8/27/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Cristian Cenezo | Signature | Month/Day/Year: 8/27/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month/Day/Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month/Day/Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: Rosa L
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-29904
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717901

Origin: WILMINGTON
DATE IN: 08/27/2015 TIME IN: 15:15:56
DATE OUT: 08/27/2015 TIME OUT: 15:15:56

INBOUND TICKET Number: 01-00769977

SCALE 2 GROSS WT.	79240	LB
STORED TARE WT.	31000	LB
NET WEIGHT	48240	LB

Qty	Description	Amount
24.12	Soil - Non Hazardous	

X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717894

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month 8 Day 27 Year K

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Antonio Lucatero | Signature: | Month 8 Day 27 Year 13

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: | Signature: | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-045
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717894

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 09:26:45
DATE OUT: 08/27/2015 TIME OUT: 09:26:45

INBOUND TICKET Number: 01-00769697

SCALE 3 GROSS WT.	78080	LB
STORED TARE WT.	28740	LB
NET WEIGHT	49340	LB

Qty	Description	Amount
24.67	Soil - Non Hazardous	

X _____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717895

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin Sadrpour | Month 8 | Day 27 | Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Mo C. Ahmadi | Signature | Month 8 | Day 27 | Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month | Day | Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-13
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717895

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 09:41:38
DATE OUT: 08/27/2015 TIME OUT: 09:41:38

INBOUND TICKET Number: 01-00769707

SCALE 2 GROSS WT.	75080	LB
STORED TARE WT.	27980	LB
NET WEIGHT	47100	LB

Qty	Description	Amount
23.55	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717896

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month 8 Day 27 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Daniel Perez | Signature: [signature] | Month 8 Day 27 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: A. Perez trucking #6 | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: [illegible] | Signature: [signature] | Month 8 Day 27 Year 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-AP8
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717896

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 10:06:27
DATE OUT: 08/27/2015 TIME OUT: 10:06:27

INBOUND TICKET Number: 01-00769730

SCALE 3 GROSS WT.	76100	LB
STORED TARE WT.	28100	LB
NET WEIGHT	48000	LB

Qty	Description	Amount
24.00	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717898

NON-HAZARDOUS WASTE DATA FORM

BEST # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month/Day/Year: 5/27/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Antonio Ivaldo | Signature: [signature] | Month/Day/Year: 5/27/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: | Phone#:

Transporter 2 Printed/Typed Name: | Signature: | Month/Day/Year:

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: [signature] | Signature: [signature] | Month/Day/Year:

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-045
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717898

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 13:20:14
DATE OUT: 08/27/2015 TIME OUT: 13:20:14

INBOUND TICKET Number: 01-00769888

SCALE 2 GROSS WT.	78800	LB
STORED TARE WT.	28740	LB
NET WEIGHT	50060	LB

Qty	Description	Amount
25.03	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717899

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour Signature: x Shirin Sadrpour Month/Day/Year: 8/27/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Jose C Armenta Signature: Jose C Armenta Month/Day/Year: 8/27/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: Phone#:

Transporter 2 Printed/Typed Name: Signature: Month/Day/Year:

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone# 661-257-3655

Printed/Typed Name: Signature: Month/Day/Year:

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)25..3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-13
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717899

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 14:29:37
DATE OUT: 08/27/2015 TIME OUT: 14:29:37

INBOUND TICKET Number: 01-00769950

SCALE 2 GROSS WT.	79060	LB
STORED TARE WT.	27980	LB
NET WEIGHT	51080	LB

Qty	Description	Amount
25.54	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717900

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month Day Year: 8 27 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Danny Perez | Signature | Month Day Year: 8 27 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: A. Perez trucking #8 | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-AP8
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717900

Origin: SAN PEDRO
DATE IN: 08/27/2015 TIME IN: 14:50:40
DATE OUT: 08/27/2015 TIME OUT: 14:50:40

INBOUND TICKET Number: 01-00769964

SCALE 2 GROSS WT.	78400	LB
STORED TARE WT.	28100	LB
NET WEIGHT	50300	LB

Qty	Description	Amount
25.15	Soil - Non Hazardous	

X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717902

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x [signature] | Month/Day/Year: 8/28/15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Antonio Lucatero | Signature: [signature] | Month/Day/Year: 8/28/15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month/Day/Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month/Day/Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-045
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717902

Origin: SAN PEDRO
DATE IN: 08/28/2015 TIME IN: 09:31:34
DATE OUT: 08/28/2015 TIME OUT: 09:31:34

INBOUND TICKET Number: 01-00770220

SCALE 3 GROSS WT.	77940	LB
STORED TARE WT.	28740	LB
NET WEIGHT	49200	LB

Qty	Description	Amount
24.60	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717903

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin Sadrpour | Month 8 Day 28 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: [illegible] | Signature: [illegible] | Month 8 Day 28 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month | Day | Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-13
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717903

Origin: SAN PEDRO
DATE IN: 08/28/2015 TIME IN: 10:39:05
DATE OUT: 08/28/2015 TIME OUT: 10:39:05

INBOUND TICKET Number: 01-00770289

SCALE 3 GROSS WT.	77200	LB
STORED TARE WT.	27980	LB
NET WEIGHT	49220	LB

Qty	Description	Amount
24.61	Soil - Non Hazardous	

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717904

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		98-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192 PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: [signature] | Month Day Year: 8 28 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: Antonio Ivanovo | Signature: [signature] | Month Day Year: 8 28 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year: 8 28 15

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-045
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717904

Origin: SAN PEDRO
DATE IN: 08/28/2015 TIME IN: 13:30:25
DATE OUT: 08/28/2015 TIME OUT: 13:30:25

INBOUND TICKET Number: 01-00770467

SCALE 3 GROSS WT.	80720	LB
STORED TARE WT.	28740	LB
NET WEIGHT	51980	LB

Qty	Description	Amount
25.99	Soil - Non Hazardous	

X

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717905

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3875

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other

Quantity 1 Volume

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile LCL-15-192

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment.

Generator Printed/Typed Name: Shirin Sadrpour | Signature: x Shirin | Month 9 Day 15 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: MIKE & SON Miguel | Signature | Month 9 Day 15 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-MS11
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717905

Origin: WILMINGTON
DATE IN: 09/15/2015 TIME IN: 10:46:24
DATE OUT: 09/15/2015 TIME OUT: 10:46:24

INBOUND TICKET Number: 01-00778131

SCALE 2 GROSS WT.	79680	LB
STORED TARE WT.	30620	LB
NET WEIGHT	49060	LB

Qty	Description	Amount
24.53	Soil - Non Hazardous	

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

NO. 717906

NON-HAZARDOUS WASTE DATA FORM

BESI # 257988

GENERATOR

Generator's Name and Mailing Address

PORT OF LOS ANGELES
ATTN: SHIRIN SADRPOUR
425 S. PALOS VERDES ST.
SAN PEDRO, CA 90731

Generator's Site Address (if different than mailing address)

PORT OF LOS ANGELES - SCIG
VICINITY OF SEPULVEDA BLVD. & PACIFIC COAST HWY.
WILMINGTON, CA 90810

Generator's Phone: 310-732-3675

Container type removed from site:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1

Container type transported to receiving facility:

☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☒ Dump Truck ☐ Other _____

Quantity 1 Volume _____

WASTE DESCRIPTION NON-HAZARDOUS SOIL

GENERATING PROCESS DEVELOPMENT / REMEDIATION

COMPONENTS OF WASTE	PPM	%
1. SOIL		99-100%
2. TPH		< 0.1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile CCL-15-192

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ACCT # 1322 Wear All appropriate Personal Protective Equipment

Generator Printed/Typed Name: Shirin Sadrpour | Signature: X Shirin Sadrpour | Month 9 Day 15 Year 15

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE | Phone#: 949-460-5200

Transporter 1 Printed/Typed Name: X GARY GAUNT | Signature | Month 9 Day 15 Year 15

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name | Phone#

Transporter 2 Printed/Typed Name | Signature | Month Day Year

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address

CHIQUITA CANYON LANDFILL
29201 HENRY MAYO DR.
CASTAIC, CA 91384

Phone#: 661-257-3655

Printed/Typed Name | Signature | Month Day Year

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Revised

(661)257-3655
CHIQUITA CANYON LANDFILL
29201 Henry Mayo Dr
Castaic, CA 91384

Weighed: D Landeros
BILL TO: 1322
BELSHIRE ENVIRONMENTAL

Vehicle ID: B-668198
Reference: 15-192
Note1:: PORT OF LOS ANGELES
Note2:: 425 S. PALOS VERDES ST
Route:: SAN PEDRO, CA 90731
PO Number: 717906

Origin: WILMINGTON
DATE IN: 09/15/2015 TIME IN: 13:19:34
DATE OUT: 09/15/2015 TIME OUT: 13:19:34

INBOUND TICKET Number: 01-00778218

SCALE 2 GROSS WT.	64880	LB
STORED TARE WT.	31220	LB
NET WEIGHT	33660	LB

Qty	Description	Amount
16.83	Soil - Non Hazardous	

X_____

(Driver Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

WEIGHMASTER CERTIFICATE:

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code), administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Revised

APPENDIX G

Revised

Draft - For Discussion Purposes Only

Table 1
Summary of Total Petroleum Hydrocarbons in Soil Analytical Results (collected by TRC)
POLA - SCIG
Wilmington, CA

Sample ID	Depth (feet)	Date Sampled	EPA Method 8015		
			TPH (C6-12)	TPH (C10-24)	TPH (C24-40)
			mg/kg	mg/kg	mg/kg
REM-2-S-S1-2	2	8/17/2015	ND<0.390	ND<4.9	ND<4.9
REM-9-D-W1-2	2	8/17/2015	ND<0.400	ND<5.0	ND<5.0
REM-10-D-E1-2	2	8/17/2015	ND<0.400	ND<5.0	ND<5.0
REM-8-S-W1-2	2	8/17/2015	ND<0.390	ND<4.9	ND<4.9
REM-5-1S-E1-2	2	8/19/2015	ND<0.390	ND<5.0	ND<5.0
REM-5-1S-N1-1	1	8/19/2015	ND<0.380	**300**	**460**
REM-6-S-S1-1.5	1.5	8/19/2015	ND<0.400	**6,300**	**7,300**
REM-3-S-W1-2	2	8/19/2015	ND<0.400	**170**	**390**
REM-5-2S-N1-1	1	8/19/2015	ND<0.400	**2,700**	**5,100**
REM-5-2S-S1-1	1	8/19/2015	ND<0.390	**2,100**	**4,500**
REM-5-3S-W1-1.5	1.5	8/19/2015	**0.83**	**2,900**	**5,000**
REM-5-3S-S1-1.5	1.5	8/19/2015	ND<0.390	**1,500**	**2,400**
REM-5-3S-N1-1.5	1.5	8/19/2015	**0.62**	**4,100**	**7,600**
REM-5-3S-N2-1.5	1.5	8/19/2015	**150**	**3,000**	**2,800**
REM-7-S-E1-2.6	2.6	8/20/2015	**770**	**3,400**	**1,200**
REM-5-4S-W1-1.5	1.5	8/20/2015	**1.9**	**1,200**	**2,100**
REM-1-S-W1-2	2	8/20/2015	ND<0.390	ND<5.1	**46**
REM-4-S-S1-1	1	8/20/2015	ND<0.380	**8.8**	**57**
REM-5-5S-E1-1.5	1.5	8/26/2015	ND<0.390	**100**	**190**
REM-5-5S-W1-1.5	1.5	8/26/2015	ND<0.400	**160**	**300**
REM-5-5S-N1-1.5	1.5	8/26/2015	ND<0.390	**99**	**130**
REM-6-S-E3-2.0	2	8/26/2015	ND<0.400	ND<5.1	ND<5.1
REM-5-6S-N1-1	1	8/27/2015	**2.4**	**4,000**	**5,200**
REM-5-7S-N1-1.5	1.5	8/27/2015	**2.5**	**750**	**1,900**
REM-5-3S-N3.5-1.5	1.5	8/27/2015	**6**	**3,300**	**5,400**
REM-7-S-N2-2	2	8/28/2015	**100**	**2,900**	**1,200**
REM-7-S-E2-2	2	8/28/2015	ND<0.400	**490**	**490**
REM-7-S-N4-2.5	2.5	9/3/2015	**200**	**5,100**	**2,200**
REM-5-5S-S5-1.5	1.5	9/3/2015	ND<0.400	**560**	**950**
POLA Cleanup Goals Berths 171-173 (1/19/2010)			(C6-C12) 180	(C9-25) 180	(C24-C40) 2,500

Notes:
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ND<2.0 = Not detected above laboratory reporting limit
C6-12 = Carbon range C6 through C12

950	= analyte detections are indicated in bold type
300	= analyte detection exceeds screening level

Revised

Draft - For Discussion Purposes Only

Table 2
Summary of Organochlorine Pesticides in Soil Analytical Results (collected by TRC)
POLA - SCIG
Wilmington, CA

Sample ID	Depth (feet)	Date Sampled	Unit	Organochlorine Pesticides by EPA Method 8081																				
				Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane (technical)	4,4'-DDD	4,4'-DDE	4,4'-DDT	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Methoxchlor	Toxaphene
REM-2-S-S1-2	2	8/17/2015	µg/kg	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<49	ND<4.10	ND<50	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<200
REM-9-D-W1-2	2	8/17/2015	µg/kg	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<49	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<9.8[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<9.8[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<4.9[F2]	ND<200
REM-10-D-E1-2	2	8/17/2015	µg/kg	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<200
REM-8-S-W1-2	2	8/17/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-5-1S-E1-2	2	8/19/2015	µg/kg	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<49	ND<4.9	**7.2**	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<200
REM-5-1S-N1-1	1	8/19/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	**25**	**31**	ND<5.0	ND<9.9	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-6-S-S1-1.5	1.5	8/19/2015	µg/kg	ND<25	ND<25	ND<25	ND<25	ND<250	**48**	**210**	ND<25	ND<50	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<1000
REM-3-S-W1-2	2	8/19/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-5-2S-N1-1	1	8/19/2015	µg/kg	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	**33**	**38**	ND<9.7	ND<19	ND<9.7	ND<9.7	ND<9.7	ND<19	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<390
REM-5-2S-S1-1	1	8/19/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	**60**	**79**	**8.6 p**	ND<9.9	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-5-3S-W1-1.5	1.5	8/19/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	**110**	**600**	ND<5.0	ND<9.9	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	**31**	ND<5.0	ND<200
REM-5-3S-S1-1.5	1.5	8/19/2015	µg/kg	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<49	**41**	**200**	**8.9**	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<200
REM-5-3S-N1-1.5	1.5	8/19/2015	µg/kg	ND<25	ND<25	ND<25	ND<25	ND<250	**220**	**1,400**	ND<25	ND<50	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	**200**	ND<25	ND<1000
REM-5-3S-N2-1.5	1.5	8/19/2015	mg/kg	ND<25	ND<25	ND<25	ND<25	ND<250	**57**	**210**	ND<25	ND<50	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<1000
REM-7-S-E1-2.6	2.6	8/20/2015	µg/kg	ND<100	ND<100	ND<100	ND<200	ND<1000	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<200	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-5-4S-W1-1.5	1.5	8/20/2015	µg/kg	ND<10	ND<10	ND<10	ND<10	ND<1000	**130**	**830**	ND<10	ND<20	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<400
REM-1-S-W1-2	2	8/20/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<5.0	**5.6**	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-4-S-S1-1	1	8/20/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-5-5S-E1-1.5	1.5	8/26/2015	µg/kg	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<51	ND<25	**57**	ND<25	ND<10	ND<5.1	ND<5.1	ND<5.1	ND<10	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<200
REM-5-5S-W1-1.5	1.5	8/26/2015	µg/kg	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<50	ND<100	**1,100**	ND<100	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<200
REM-5-5S-N1-1.5	1.5	8/26/2015	µg/kg	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<51	ND<25	**71**	ND<25	ND<10	ND<5.1	ND<5.1	ND<5.1	ND<10	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<5.1	ND<200
REM-6-S-E3-2.0	2	8/26/2015	µg/kg	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<49	ND<4.9	**12**	ND<4.9	ND<9.9	ND<4.9	ND<4.9	ND<4.9	ND<9.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND<200
REM-5-6S-N1-1	1	8/27/2015	µg/kg	ND<20	ND<20	ND<20	ND<20	ND<200	**42**	**250**	ND<20	ND<39	ND<20	ND<20	ND<20	ND<39	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<790
REM-5-7S-N1-1.5	1.5	8/27/2015	µg/kg	ND<21	ND<21	ND<21	ND<21	ND<210	**43**	**150**	ND<21	ND<42	ND<21	ND<21	ND<21	ND<42	ND<21	ND<21	ND<21	ND<21	ND<21	ND<21	ND<21	ND<21	ND<840
REM-5-3S-N3.5-1.5	1.5	8/27/2015	µg/kg	ND<21	ND<21	ND<21	ND<21	ND<210	**93**	**1,800**	ND<21	ND<42	ND<21	ND<21	ND<21	ND<42	ND<21	ND<21	ND<21	ND<21	ND<21	ND<21	**84**	ND<21	ND<850
REM-7-S-N2-2	2	8/28/2015	µg/kg	ND<20	ND<20	ND<20	ND<20	ND<200	ND<20	**23**	ND<20	ND<40	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<810
REM-7-S-E2-2	2	8/28/2015	µg/kg	ND<10	ND<10	ND<10	ND<10	ND<100	ND<10	ND<10	ND<10	ND<21	ND<10	ND<10	ND<10	ND<21	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<420
REM-7-S-N4-2.5	2.5	9/3/2015	µg/kg	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<99	**10**	**25**	ND<9.9	ND<20	ND<9.9	ND<9.9	ND<9.9	ND<20	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<9.9	ND<400
REM-5-5S-S5-1.5	1.5	9/3/2015	µg/kg	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<97	**39**	**550**	**16**	ND<19	ND<9.7	ND<9.7	ND<9.7	ND<19	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<9.7	ND<390
POLA Cleanup Goals Berths 171-173 (1/19/2010)			nc	nc	nc	nc	nc	27,000	10,000	nc	210	nc	nc	nc	0.66	nc	nc	nc	nc	nc	0.22	nc	nc	nc	nc	nc

Notes:
µg/kg = micrograms per kilogram
nc = No POLA cleanup goal
ND<4.9 = Not detected above laboratory method detection limit
F2 = MS/MSD RPD exceeds control limits.

48 = analyte detections are indicated in bold type
550 = analyte detection exceeds screening value

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Table 3
Summary of Polychlorinated Biphenyls in Soil Analytical Results (collected by TRC)
POLA - SCIG
Wilmington, CA

Sample ID	Depth (feet)	Date Sampled	Unit	Polychlorinated Biphenyls by EPA Method 8082						
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
REM-2-S-S1-2	2	8/17/2015	µg/kg	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49
REM-9-D-W1-2	2	8/17/2015	µg/kg	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49
REM-10-D-E1-2	2	8/17/2015	µg/kg	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49
REM-8-S-W1-2	2	8/17/2015	µg/kg	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
REM-5-1S-E1-2	2	8/19/2015	µg/kg	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51
REM-5-1S-N1-1	1	8/19/2015	µg/kg	ND<99	ND<99	ND<99	ND<99	ND<99	ND<99	ND<99
REM-6-S-S1-1.5	1.5	8/19/2015	µg/kg	ND<97	ND<97	ND<97	ND<97	ND<97	ND<97	ND<97
REM-3-S-W1-2	2	8/19/2015	µg/kg	ND<49	ND<49	ND<49	ND<49	ND<49	**62**	ND<49
REM-5-2S-N1-1	1	8/19/2015	µg/kg	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-5-2S-S1-1	1	8/19/2015	µg/kg	ND<95	ND<95	ND<95	ND<95	ND<95	ND<95	ND<95
REM-5-3S-W1-1.5	1.5	8/19/2015	µg/kg	ND<470	ND<470	ND<470	ND<470	ND<470	**1700 cn**	**850 cn**
REM-5-3S-S1-1.5	1.5	8/19/2015	µg/kg	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-5-3S-N1-1.5	1.5	8/19/2015	µg/kg	ND<2000	ND<2000	ND<2000	ND<2000	ND<2000	**5000 cn**	**2400 cn**
REM-5-3S-N2-1.5	1.5	8/19/2015	µg/kg	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-7-S-E1-2.6	2.6	8/20/2015	µg/kg	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-5-4S-W1-1.5	1.5	8/20/2015	µg/kg	ND<99	ND<99	ND<99	ND<99	ND<99	ND<99	ND<99
REM-1-S-W1-2	2	8/20/2015	µg/kg	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51
REM-4-S-S1-1	1	8/20/2015	µg/kg	ND<50	ND<50	ND<50	ND<50	ND<50	**190**	ND<50
REM-5-5S-E1-1.5	1.5	8/26/2015	µg/kg	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51
REM-5-5S-W1-1.5	1.5	8/26/2015	µg/kg	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
REM-5-5S-N1-1.5	1.5	8/26/2015	µg/kg	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51	ND<51
REM-6-S-E3-2.0	2	8/26/2015	µg/kg	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49	ND<49
REM-5-6S-N1-1	1	8/27/2015	µg/kg	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490
REM-5-7S-N1-1.5	1.5	8/27/2015	µg/kg	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110
REM-5-3S-N3.5-1.5	1.5	8/27/2015	µg/kg	ND<110	ND<110	ND<110	ND<110	ND<110	**1,300**	ND<110
REM-7-S-N2-2	2	8/28/2015	µg/kg	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-7-S-E2-2	2	8/28/2015	µg/kg	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
REM-7-S-N4-2.5	2.5	9/3/2015	µg/kg	ND<99	ND<99	ND<99	ND<99	ND<99	ND<99	ND<99
REM-5-5S-S5-1.5	1.5	9/3/2015	µg/kg	ND<97	ND<97	ND<97	ND<97	ND<97	ND<97	ND<97
POLA Cleanup Goals Berths 171-173 (1/19/2010)				nc	nc	nc	nc	nc	0.37	nc

Notes:
µg/kg = micrograms per kilogram
ND<50 = Not detected above laboratory reporting limit
nc = No POLA cleanup goal
cn = Samples were diluted to bring concentration of target analytes within calibration range

850	= analyte detections are indicated in bold type
62	= analyte detection exceeds screening level

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Table 4
Summary of Metals in Soil Analytical Results (collected by TRC)
POLA - SCIG
Wilmington, CA

Sample ID	Depth (feet)	Date Sampled	Unit	Title 22 Metals by EPA Method 6010/7471															
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vandium	Zinc
REM-2-S-S1-2	2	8/17/2015	mg/kg	ND<10	**4.9**	**120**	ND<0.5	ND<0.5	**23**	**10**	**24**	**4.5**	**0.12**	ND<2.0	**17**	ND<2.0	ND<1.5	ND<10	**41**	**49**
REM-9-D-W1-2	2	8/17/2015	mg/kg	ND<10	**5.0**	**140**	ND<0.49	ND<0.49	**24**	**11**	**23**	**5**	**0.04**	ND<2.0	**18**	ND<3.0	ND<1.5	ND<9.9	**47**	**54**
REM-10-D-E1-2	2	8/17/2015	mg/kg	ND<9.9	**4.9**	**150**	**0.51**	ND<0.49	**27**	**12**	**28**	**5.2**	**0.18**	ND<2.0	**20**	ND<3.0	ND<1.5	ND<9.9	**51**	**61**
REM-8-S-W1-2	2	8/17/2015	mg/kg	ND<9.9	**5.0**	**170**	**0.63**	ND<0.50	**34**	**14**	**33**	**5.9**	ND<0.020	ND<2.0	**23**	ND<3.0	ND<1.5	ND<9.9	**63**	**71**
REM-5-1S-E1-2	2	8/19/2015	mg/kg	ND<9.9	ND<3.0	**72**	ND<0.5	ND<0.5	**17**	**6.9**	**13**	**2.7**	**0.033**	ND<2.0	**11**	ND<3.0	ND<1.5	ND<9.9	**39**	**37**
REM-5-1S-N1-1	1	8/19/2015	mg/kg	ND<9.9	**5.3**	**190**	**0.58**	**0.51**	**38**	**9.1**	**28**	**35**	**0.19**	ND<2.0	**20**	ND<3.0	ND<1.5	ND<9.9	**45**	**96**
REM-6-S-S1-1.5	1.5	8/19/2015	mg/kg	ND<10	**8.5**	**440**	**0.58**	**0.81**	**91**	**13**	**44**	**85**	**0.40**	**2.0**	**32**	ND<3.0	ND<1.5	ND<10.0	**65**	**230**
REM-3-S-W1-2	2	8/19/2015	mg/kg	ND<10	**6.8**	**160**	**0.57**	**4.4**	**33**	**12**	**99**	**94**	**0.12**	ND<2.0	**24**	ND<3.0	ND<1.5	ND<10.0	**58**	**600**
REM-5-2S-N1-1	1	8/19/2015	mg/kg	ND<10	**7.6**	**310**	**0.75**	**0.61**	**54**	**11**	**46**	**56**	**0.23**	ND<2.0	**26**	ND<3.0	ND<1.5	ND<10.0	**56**	**140**
REM-5-2S-S1-1	1	8/19/2015	mg/kg	ND<10	**8.9**	**310**	**0.99**	**0.69**	**57**	**11**	**56**	**58**	**0.48**	**3.5**	**25**	ND<3.0	ND<1.5	ND<10.0	**54**	**170**
REM-5-3S-W1-1.5	1.5	8/19/2015	mg/kg	ND<10	**8.0**	**210**	**86**	**0.91**	**37**	**12**	**41**	**46**	**0.31**	ND<2.0	**36**	ND<3.0	ND<1.5	ND<10.0	**58**	**120**
REM-5-3S-S1-1.5	1.5	8/19/2015	mg/kg	ND<10	**7.4**	**250**	**0.77**	**0.76**	**51**	**11**	**37**	**60**	**0.23**	**6.3**	**24**	ND<3.0	ND<1.5	ND<10.0	**56**	**130**
REM-5-3S-N1-1.5	1.5	8/19/2015	mg/kg	ND<10	**8.4**	**300**	**250**	**1.3**	**43**	**14**	**49**	**87**	**1.3**	**3.9**	**62**	ND<3.0	ND<1.5	ND<10.0	**62**	**140**
REM-5-3S-N2-1.5	1.5	8/19/2015	mg/kg	ND<10	**5.2**	**190**	**0.66**	**0.64**	**37**	**10**	**38**	**37**	**0.14**	ND<2.0	**22**	ND<3.0	ND<1.5	ND<10.0	**52**	**100**
REM-7-S-E1-2.6	2.6	8/20/2015	mg/kg	ND<10	**6.1**	**180**	ND<0.5	**0.53**	**31**	**11**	**29**	**21**	**0.091**	ND<2.0	**21**	ND<3.0	ND<1.5	ND<10.0	**52**	**80**
REM-5-4S-W1-1.5	1.5	8/20/2015	mg/kg	ND<9.9	ND<3.0	**98**	**3.2**	**0.63**	**20**	**7.6**	**22**	**17**	**0.082**	**2.0**	**17**	ND<3.0	ND<1.5	ND<9.9	**39**	**71**
REM-1-S-W1-2	2	8/20/2015	mg/kg	ND<10	**5.8**	**140**	ND<0.5	ND<0.5	**23**	**11**	**27**	**7.9**	**0.032**	ND<2.0	**19**	ND<3.0	ND<1.5	ND<10.0	**51**	**58**
REM-4-S-S1-1	1	8/20/2015	mg/kg	ND<10	**5.2**	**140**	ND<0.5	**1.6**	**22**	**9.9**	**41**	**43**	**0.064**	ND<2.0	**20**	ND<3.0	ND<1.5	ND<10.0	**51**	**240**
REM-5-5S-E1-1.5	1.5	8/26/2015	mg/kg	ND<9.8	**10**	**280**	**0.81**	ND<0.49	**64**	**12**	**37**	**38**	**0.13**	ND<2.0	**27**	ND<2.9	ND<1.5	ND<9.8	**60**	**110**
REM-5-5S-W1-1.5	1.5	8/26/2015	mg/kg	ND<9.9	**7.0**	**150**	**0.56**	ND<0.49	**30**	**10**	**33**	**35**	**0.14**	ND<2.0	**22**	ND<3.0	ND<1.5	ND<9.9	**52**	**100**
REM-5-5S-N1-1.5	1.5	8/26/2015	mg/kg	ND<10	**9.4**	**160**	**0.66**	**0.68**	**43**	**11**	**38**	**34**	**0.064**	ND<2.0	**24**	ND<3.0	ND<1.5	ND<10.0	**57**	**140**
REM-6-S-E3-2.0	2	8/26/2015	mg/kg	ND<10	**8.1**	**170**	**0.66**	ND<0.50	**32**	**12**	**29**	**6.1**	**0.088**	ND<2.0	**21**	ND<3.0	ND<1.5	ND<10.0	**63**	**69**
REM-5-6S-N1-1	1	8/27/2015	mg/kg	ND<10	**9.3**	**300**	**0.73**	**0.7**	**66**	**11**	**47**	**54**	**0.70**	ND<2.0	**27**	ND<3.0	ND<1.5	ND<10.0	**56**	**160**
REM-5-7S-N1-1.5	1.5	8/27/2015	mg/kg	ND<9.9	**8.9**	**180**	**0.98**	**0.53**	**35**	**10**	**34**	**40**	**0.10**	ND<2.0	**24**	ND<3.0	ND<1.5	ND<9.9	**56**	**120**
REM-5-3S-N3.5-1.5	1.5	8/27/2015	mg/kg	ND<50	**15**	**350**	**68**	ND<2.5	**56**	**18**	**62**	**85**	**0.12**	ND<9.9	**57**	ND<15	ND<7.4	ND<50	**110**	**210**
REM-7-S-N2-2	2	8/28/2015	mg/kg	ND<10	**6.6**	**180**	**0.62**	ND<0.50	**34**	**11**	**32**	**24**	**0.091**	ND<2.0	**23**	ND<3.0	ND<1.5	ND<10.0	**57**	**90**
REM-7-S-E2-2	2	8/28/2015	mg/kg	ND<10	**6.8**	**360**	ND<0.50	ND<0.50	**60**	**8.3**	**25**	**34**	**0.25**	ND<2.0	**17**	ND<3.0	ND<1.5	ND<10.0	**41**	**97**
REM-7-S-N4-2.5	2.5	9/3/2015	mg/kg	ND<10	**6.7**	**180**	**0.79**	ND<0.50	**36**	**10**	**31**	**18**	**0.11**	ND<2.0	**20**	ND<3.0	ND<1.5	ND<10.0	**55**	**79**
REM-5-5S-S5-1.5	1.5	9/3/2015	mg/kg	ND<10	**7.3**	**170**	**0.73**	ND<0.50	**35**	**9.2**	**28**	**33**	**0.26**	ND<2.0	**19**	ND<3.0	ND<1.5	ND<10.0	**50**	**87**
DTSC HERO Note Number 3			--	--	0.11	--	--	--	--	--	--	80	--	--	--	--	--	--	--	--
DTSC 2008 California Background**			--	--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLA Cleanup Goals Berth 171-173 (1/19/2010)			nc	nc	8.7	nc	nc	1.4	nc	nc	69	52	0.69	4.4	222	0.23	3.75	0.95	nc	680

Notes:
mg/kg = milligrams per kilogram
ND<2.0 = Not detected above laboratory reporting limit
DTSC HERO = Department of Toxic Substances Control, Office of Human and Ecological Risk, May 2015
** = Source: DTSC Determination of Southern California Regional Background Arsenic Concentration in Soil (DTSC, 2008)
POLA Cleanup Goals berth 171-173 - Table 3A
nc = No POLA cleanup goal

11 = analyte detections are indicated in bold type
85 = analyte detection exceeds screening level
12 = screening level for SCIG project

Revised

APPENDIX H

Revised

ENVIRONMENTAL GUIDANCE FOR INDUSTRIAL LAND USE FILL MATERIAL

JULY 2015

The Port of Los Angeles has prepared this guidance document to ensure that fill materials (i.e., soil, topsoil, CMB, etc.) meet both Port and regulatory and environmental standards for acceptable industrial land use material. In addition, the guidance procedures are intended to both reduce Port liability and potential future cleanup costs by preventing the inadvertent placement or reuse of contaminated soil/fill material on Port property. The environmental chemical concentrations listed in this section are intended only for industrial land use for the protection of human health and the environment. They are not appropriate in determining suitable soil/fill material for use at former or active regulated/cleanup sites, public access/land use areas, or for worker health & safety protection.

Environmental Suitability of Soil/Fill Material for Industrial Use

The general process steps for determining the environmental suitability of fill material for industrial land use are the following:

1. Source Location Identification
2. Volume Estimation
3. Sampling Frequency Determination
4. Chemical Analyses Based on Source
5. Representative Sample Collection
6. Applicable Samples Analyses
7. Comparisons with Allowable Concentrations
8. Documentation and Retention

- ## Source Location Identification

It is important to know the source location of the soil/fill material, including the former and current land uses of the material. Past activities performed on, or near, the proposed source location can directly affect the quality of the fill material and the suitability of use of the material. Prior use of the source site should be documented and be made available for review.

Also, the unique hydrogeological characteristics of the Port area (i.e., shallow groundwater and proximity to harbor waters) require added attention for the protection of water quality. It's strongly recommended that clean CMB only be used for applications such as road base, paving, container terminal construction, and/or asphalt/concrete parking. CMB should not be used as a substitute for soil as general fill, or within sensitive-use areas including, but not limited to, sites under regulatory oversight or remediation, park lands, public access areas, and waterfront areas in potential contact with harbor waters.

Revised

- **Volume Estimation of Soil/Fill Material**

  The volume of soil/fill material determines the sampling frequency required. It is important to have a fairly accurate estimate of the material volume prior to sample collection and analysis. If the volume of soil/fill material cannot be accurately determined, the upper-end estimate of the volume shall be used for purposes of determining sampling frequency.

- **Sampling Frequency Determination**

  The minimum sampling frequency and number of total samples of soil/fill material are shown in Table 1. Borrow sources that are not contiguous to each other are considered to be separate or different sources and should be tested separately according to the frequencies described in Table 1. In order to distinguish between multiple borrow sources, the sampler/supplier shall provide a "unique identifier" for each stockpile or borrow source sampled (e.g. Stockpile A, Stockpile B, etc.). A site plan (e.g. map) showing the location of the source material and sample locations should be provided. In addition, the results of laboratory analytical chemical data and an approval certification stating the environmental status/condition of the material from the supplier for the sources should also be provided.

Table 1. Sampling Frequency for Each (Separate) Source of Fill Material

Volume of Borrow Area Stockpile	Required Number of Samples per Volume
Up to 1,000 CY	1 sample per 250 CY
1,000 to 5,000 CY	4 samples for first 1000 CY +1 sample per each additional 500 CY
Greater than 5,000 CY	12 samples for first 5,000 CY +1 sample per each additional 1,000 CY

NOTE: CY = Cubic Yard
Source: Information Advisory Clean Imported Fill Material, DTSC, October 2001

- **Chemical Analyses Based on Source**

  Table 2 provides a set of recommended chemical analyses based on the source or origin of the fill material. Except as noted, soil/fill source areas shall not be located in:

  a. Heavy industrial/manufacturing areas (with the exception of soils/material generated within the Port).
  b. Sites designated for or undergoing environmental cleanup.
  c. Sites where hazardous materials were used or hazardous wastes were generated (e.g., service or fueling stations, dry cleaners, oil refineries, scrap yards, boatyards, chemical/liquid storage areas, painting facilities, metal processing shops, etc.).

Revised

For both excavated on-site and off-site material, target compounds to be analyzed may be pre-determined or reduced by assessing environmental conditions of the borrow area prior to implementing the excavation. Although, the Port does not recommend the use of soil/fill material from land adjacent to freeways and highways, mining areas, and/or agricultural lands, Table 2 provides a suggested list of target compounds and sampling tests for such locations.

Table 2. Recommended Chemical Analyses of Material Based on Source/Origin

Fill Source	Target Compounds and Analyses
Land near an existing freeway or major highway	• TPH (modified EPA Method 8015) • Lead (EPA Method 6010B) • PAHs (EPA method 8310)
Mining area or rock quarry	• Heavy metals (EPA Methods 6020 and 7471A) • Asbestos (polarized light microscopy)
Agricultural	• Pesticides and Herbicides (Organochlorine Pesticides: EPA Method 8081A or 8080A; Organophosphorus Pesticides: EPA Method 8141A; Chlorinated Herbicides: EPA Method 8151A) • Heavy metals (EPA Methods 6020 and 7471A), including hexavalent chromium (EPA Method 7199)
Acceptable commercial land	• VOCs (EPA Method 8021 or 8260B, as appropriate and combined with collection by EPA Method 5035) • Semi-VOCs (EPA Method 8270SIM) • TPH (modified EPA Method 8015B) • PCBs (EPA Method 8082 or 8080A) • Heavy metals including lead (EPA Methods 6020 and 7471A), including hexavalent chromium (EPA Method 7199)

- **Representative Sample Collection**

  Soil/fill material samples needs to be collected in a manner (both in sample number and depth) that accurately represents the overall environmental chemical quality of the excavation area, borrow site, or stockpile(s). In-situ sampling requirements for in-place fill material should be determined in advanced consultation/discussions with qualified Port personnel (e.g., Project Engineer/Construction Manager).

  Samples must be collected and properly preserved/stored (e.g., specified temperatures, within appropriate containers and holding times, etc.) until delivery to a California-certified analytical laboratory (e.g., ELAP and/or NELAP certification) for analyses. Appropriate sample handling and preservation procedures are specified in the US EPA "Test Methods for Evaluating Solid Waste-Physical/Chemical Methods (SW-846)." Each collected soil/material sample will be recorded on a chain-of-custody form prior to submittal to the laboratory for analysis.

Revised

- **Applicable Samples Analyses**

  All soil samples need to be analyzed using the applicable EPA Methods listed in Table 3. If one is aware of, has knowledge of, or suspects possible contaminants in the soil/fill material (e.g., observations of staining, discoloration, and/or odors) that are not included in the list, an analysis of the suspected contaminant(s) should be conducted. In addition, the contractor needs to demonstrate due diligence in obtaining information (e.g., Phase I) about historical property land uses at proposed existing and off-site borrow locations prior to placement of the material in the Port.

- **Comparisons with Allowable Concentrations**

  Table 3 presents the chemical concentrations for soil/ fill material at the Port of Los Angeles. Generally, soil/fill material with sample results below (less than) the permissible chemical concentrations may be used as industrial-use fill within the Port. Soil/fill material with sample results above (greater than) the permissible chemical concentrations material cannot be used as fill and must be properly disposed of, unless directed otherwise. It's important to note that the recommended sampling frequencies in Table 1 and the subsequent sampling results only provide an indication of potential contamination problems with the soil/fill material. Slight exceedances in Table 3 limits in some of the samples, do not necessarily make the entire stockpile or borrow area unusable. Unless the exceedances are present throughout a number of the samples, a combination of both professional judgment and sectioning-off of the contaminated areas will likely allow use of most of the selected fill material.

  In general, the primary target or 'driver' compounds of concern in the Port are TPH, benzene, PCBs, lead, and copper. While there are a number of other chemicals (including human carcinogens) found in the Port, these target compounds are the most prevalent. At a minimum, all samples should be tested for these target compounds.

  Please note in Table 3 that any soil/fill sample having undergone chemical analyses with a dilution factor greater than 1 (see Footnote #3) or uses detection limits greater than the permissible concentrations in Table 3 may be rejected due to potentially elevated concentrations of one or more contaminants.

  As a reminder, the environmental chemical concentrations listed in this Table are intended only for general industrial land use for the protection of human health and the environment. The listed concentrations are not intended to be applicable or to determine suitable soil/fill material for use at former or active regulated/cleanup sites, public/recreation land use areas, or for worker health & safety protection.

Revised

Table 3. Permissible Chemical Concentrations in Fill Material

Chemicals of Concern (COC) Industrial Land Use	Soil/Fill Material Concentration (*mg/kg*)	Source
Total Petroleum Hydrocarbons (TPH) *(EPA Method 8015M/8015B)*		
TPH (Total Petroleum Hydrocarbons)	1,000	Cal-EPA SWRCB[1]
➢ Gasoline (if present)	180	Cal-EPA SWRCB/DTSC[1]
➢ Diesel (if present)	180	Cal-EPA SWRCB/DTSC[1]
Heavy Metals *(EPA Method 6020/7471A)*		
Antimony	40	Cal-EPA SWRCB/DTSC[1]
Arsenic	8.7	Cal-EPA SWRCB/DTSC[1]
Barium	1000	10 X STLC[2]/DTSC
Beryllium	7.5	10 X STLC[2]
Cadmium	1.4	Cal-EPA SWRCB/DTSC[1]
Chromium VI (EPA Method 7199/3060A)	8	Cal-EPA SWRCB/DTSC[1]
Total Chromium	100	20 X TCLP/STLC[2]
Cobalt	80	Cal-EPA SWRCB/DTSC[1]
Copper	69	Cal-EPA SWRCB/DTSC[1]
Lead	50	10 X STLC[2]/DTSC
Mercury	0.69	Cal-EPA SWRCB/DTSC[1]
Molybdenum	4.4	Cal-EPA SWRCB/DTSC[1]
Nickel	200	10 X STLC[2]/DTSC
Selenium	0.23	Cal-EPA SWRCB[1]
Silver	3.75	Cal-EPA SWRCB/DTSC[1]
Thallium	0.95	Cal-EPA SWRCB[1]
Vanadium	200	Cal-EPA SWRCB[1]
Zinc	680	Cal-EPA SWRCB/DTSC[1]
BTEX *(EPA Method 8260)*		
Benzene	0.055	Cal-EPA SWRCB/DTSC[1]
Toluene	56	Cal-EPA SWRCB[1]
Ethylbenzene	3.9	Cal-EPA SWRCB[1]
Xylene	7.2	Cal-EPA SWRCB[1]
Naphthalene	0.17	DTSC
Asbestos *(OSHA Method ID-191)*	ND	Laboratory Reporting Limit[3]
Polychlorinated Biphenyls (PCBs) *(EPA 8082)*	ND	Laboratory Reporting Limit[3]/US EPA
Chemicals of Concern		
Volatile Organic Compounds (VOCs)[4] (EPA Method 8260)	ND	
Polynuclear Aromatic Hydrocarbons (PAHs)[4] (EPA Method 8310)	ND	
Semi Volatile Organic Compounds (SVOCs)[4] (EPA Method8270)	ND	
Organochlorine Pesticides[4] (EPA Method 8081A)	ND	
Organophosphorus Pesticides[4] (EPA Method 8141A)	ND	
Chlorinated Herbicides[4] (EPA Method 8151A)	ND	

NOTES:

1. Cal-EPA State Water Resources Control Board & Department of Toxic Substances Control Action Goals for Industrial Land Use sites only. The listed concentrations/levels may not be applicable for former or active cleanup sites, public land use, or worker health & safety.
2. Soluble Threshold Limit Concentration (STLC), California Code of Regulations (CCR), Title 22, Section 66261.24. Characteristic of Toxicity
3. Laboratory Reporting Limit is based on reporting limits commonly used by Southern California laboratories (DAF=1)
4. To minimize the potential for the placement of materials containing harmful toxins, concentration levels should optimally be 'non-detect'.

Revised

- **Documentation and Retention**

  A written, preferably electronic, record of the sampling protocols, sampling locations, analytical results, and determination of suitability for industrial land use as fill shall be maintained and made available for staff review, upon request.

Authorization for Soil/Fill Concentrations

The chemical/contaminant criteria utilized in this document for industrial land use soil/fill material were compiled from a number of current sources, standards, regulations, and/or guidance documents including, but not limited to:

- Compliance with applicable laws and regulations;
- California Environmental Protection Agency - State Water Resources Control Board (SWRCB) and Department of Toxic Substances Control (DTSC);
- Title 40, Code of Federal Regulations (40 CFR)
- California Health and Safety Code (HSC), Division 20, Chapter 6.5, Hazardous Waste Control Law and California Code of Regulations, Division 4.5, Title 22 CCR;
- Information Advisory Clean Imported Fill Material (DTSC, October 2001);
- User's Guide: Derivation and Application of Environmental Screening Levels (SFRWQCB), Interim Final 2013);
- Revised Responses to Stakeholder's Comments Memorandum - Former GATX Los Angeles Marine Terminal (LAMT), Berths 171 through 173, Wilmington, CA (Cleanup and Abatement Order No. R4-2008-006), (LARWQCB Geotracker), January 19, 2010); and
- Commonly used Laboratory Reporting Limits (LRLs) and Method Detection Limits (MDLs) by analytical laboratories in Southern California.

Applicability of Soil/Fill Material

All analytical data submitted to determine the quality and suitability of the soil/fill material will be reviewed by qualified Port personnel (e.g., Project Engineer/Construction Manager). Meeting the concentration criteria listed in Table 3 is essential for the fill or excavated material to be considered minimally acceptable for industrial use as general fill within the Port. This guidance document and its contents may be amended or updated to reflect future changes in Port policies and/or regulatory requirements. The Port reserves the right to observe contractor's sampling activities and data; and independently sample, analyze, and/or verify the results of any analytical data submitted for evaluation.

Revised

Chemical Concentration Checklist

Attachment A contains a Fill Material Chemical /Concentration Checklist. The checklist is used to document the supplier (or other originators), the location, and the chemical analytical results of the soil/fill material. The checklist and accompanying information needs to be submitted to qualified Port personnel (e.g., Project Engineer/Construction Manager) for review in order to approve or reject the soil/fill material for use. The Port will not be responsible for any construction schedule delays or costs if the soil/fill material is rejected due to incomplete or inaccurate data submittals, exceedances of permissible chemical concentrations (i.e., sample results fail to meet the criteria requirements in this section), and/or the soil/fill material does not comply with regulatory requirements (e.g., material would be classified as hazardous wastes, SCAQMD Rule 1166 requirements, UST requirements, site-specific plans or directives, etc.,). If a third-party (e.g., contractor) brings any soil/fill material into the Port that classifies as hazardous waste (i.e., RCRA and non-RCRA), the third party will be considered the generator of the waste. The third-party (contractor) will be responsible for all costs, including costs incurred by the Port, associated with removal and proper disposal of the waste. Further, the third party will also have signatory responsibility for the hazardous waste uniform manifest.

Revised

Acronym List

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
Cal-EPA	California Environmental Protection Agency
CY	Cubic Yard
DTSC	Department of Toxic Substances Control
ELAP	Environmental Laboratory Accreditation Program
EMD	Environmental Management Division
ESL	Environmental Screening Level
LARWQCB	Los Angeles Regional Water Quality Control Board
LRL	Laboratory Reporting Limit
MHHW	Mean Higher High Water
MDL	Method Detection Limit
NELAP	National Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PAH	Polynuclear Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
POLA	Port of Los Angeles
SCAQMD	South Coast Air Quality Management District
SFRWQCB	San Francisco Regional Water Quality Control Board
STLC	Soluble Threshold Limit Concentration
SVOC	Semi-Volatile Organic Compound
SWRCB	State Water Resources Control Board
TPH	Total Petroleum Hydrocarbons
TTLC	Total threshold Limit Concentration
USEPA	United Stated Environmental Protection Agency
VOC	Volatile Organic Compound

Revised

References

Clean Imported Fill Material - http://www.dtsc.ca.gov/Schools/upload/SMP_FS_Cleanfill-Schools.pdf

ELAP - http://www.waterboards.ca.gov/drinking_water/certlic/labs/index.shtml

NELAP - http://www.nelac-institute.org/

SW-846 - http://www.epa.gov/osw/hazard/testmethods/sw846/

TPH - http://www.atsdr.cdc.gov/toxfaqs/tf.asp?id=423&tid=75

benzene - http://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=14

PCBs - http://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=26

lead - http://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=22

copper - http://www.atsdr.cdc.gov/substances/toxsubstance.asp?toxid=37

20 X TCLP/STLC - http://www.torrentlab.com/torrent/resources/resource/STLC_and_TTLC_Limits.pdf

Laboratory Reporting Limit - http://www.arb.ca.gov/toxics/atcm/asb2atcm.htm

STLC - http://www.eurofinsus.com/media/161417/hazardous_waste_regulatory_limits.pdf

SWRCB - http://www.swrcb.ca.gov/

DTSC - https://www.dtsc.ca.gov/

40 CFR - http://www2.epa.gov/laws-regulations/regulations

HSC - http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=hsc

CCR - https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=I77C6B3D0D4BA11DE8879F88E8B0DAAAE&originationContext=documenttoc&transitionType=Default&contextData=(sc.Default)

SFRWQCB - http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/ESL/Users_Guide_Dec_2013.pdf

Geotracker - http://geotracker.waterboards.ca.gov/view_documents.asp?global_id=SL377432476&enforcement_id=6041012

LRLs - http://www.mywaterquality.ca.gov/monitoring_council/collaboration_network/docs/bvanbuuren_jan2012.pdf

MDLs - http://water.usgs.gov/owq/OFR_99-193/detection.html

hazardous wastes - https://www.dtsc.ca.gov/HazardousWaste/upload/HWMP_DefiningHW111.pdf

Revised

Rule 1166 - http://www.aqmd.gov/home/regulations/compliance/rule-1166-site-specific-and-various-locations-soil-mitigation-plan

UST - http://www.waterboards.ca.gov/ust/

RCRA - http://www.epa.gov/osw/laws-regs/regs-haz.htm

non-RCRA - http://ccelearn.csus.edu/wasteclass/mod7/mod7_03.html

generator - http://www.dtsc.ca.gov/HazardousWaste/Generators.cfm

hazardous waste uniform manifest - https://www.dtsc.ca.gov/IDManifest/upload/HWMP_FS_manifestChanges2.pdf

Revised

APPENDIX I

Revised

DAILY FIELD REPORT

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

Project No **603127.015**	IC No	Report No						
Project Name **POLA SCIG**	Date **9-3-15**							
Location Long Beach CA	Day M ☐ T ☐ W ☐ T ☒ F ☐ S ☐ S ☐		Tech	SLH				
Author Steve Harrison	Weather Partly Cloudy		Hours	6				
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles					
Field Supervisor JTB	Geologist		Soil Engineer					

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐ POSTGRADING ☒ OTHER Backfill Removal Areas

Equipment Working	Today's yardage	Yardage to-date
Backhoe w/ compacting wheel, Handheld Wacker, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill.

Backfill Locations REM-2, REM-5-6S and 7S, respectively.

When and where observed, the contractor placed backfill soils in lifts. For the smaller excavations a handheld wacker was used and for the larger areas the backhoe's compacting wheel was utilized. Bottoms were moisture conditioned prior to backfill and water was added as needed.

When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
1	REM-2	-1.5'	Mx2	7.5	9.0	129.5	120.0	93
2	REM-5-6S	-2'	Mx2	7.5	10.1	129.5	116.5	90
3	REM-5-7S	-0'	Mx2	7.5	9.0	129.5	118.3	91

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DAILY FIELD REPORT

Leighton Consulting, Inc.
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Project No **603127.015**	IC No	Report No						
Project Name **POLA SCIG**	Date **9-4-15**							
Location Long Beach CA	Day M ☐ T ☐ W ☐ T ☐ F ☒ S ☐ S ☐		Tech	SLH				
Author Steve Harrison	Weather Partly Cloudy		Hours	10				
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles					
Field Supervisor JTB	Geologist		Soil Engineer					

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐ POSTGRADING ☒ OTHER Backfill Removal Areas

Equipment Working	Today's yardage	Yardage to-date
Backhoe w/ compacting wheel, Handheld Wacker, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill.

Backfill Locations REM-1, REM-3, REM-4, REM-8, REM-10, REM-5-1S and 2S, respectively.

When and where observed, the contractor placed backfill soils in lifts. For the smaller excavations a handheld wacker was used and for the larger areas the backhoe's compacting wheel was utilized. Bottoms were moisture conditioned prior to backfill and water was added as needed.

When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
4	REM-5-1S	-1.0'	Mx2	7.5	8.9	129.5	122.3	94
5	REM-5-2S	-1.5'	Mx2	7.5	9.5	129.5	118.1	91
6	REM-5-2S	-0'	Mx2	7.5	8.9	129.5	119.2	92
7	REM-1	-0'	Mx2	7.5	7.0	129.5	115.2	89
7A	REM-1 retest after recompaction	-0'	Mx2	7.5	9.1	129.5	117.5	91
8	REM-3	-1'	Mx2	7.5	8.5	129.5	118.5	92
9	REM-4	-0'	Mx2	7.5	7.9	129.5	120.5	93
10	REM-8	-1'	Mx2	7.5	7.8	129.5	117.3	90
11	REM-10	-2.5'	Mx2	7.5	8.0	129.5	118.4	91
12	REM-10	-0.5'	Mx2	7.5	7.9	129.5	123.7	96
			Mx2					

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Project No **603127.015**	IC No	Report No					
Project Name **POLA SCIG**	Date **9-8-15**						
Location Long Beach CA	Day M ☐ T ☒ W ☐ T ☐ F ☐ S ☐ S ☐		Tech	SLH			
Author Steve Harrison	Weather Sunny		Hours	10.5			
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles				
Field Supervisor JTB	Geologist		Soil Engineer				

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐POSTGRADING ☒OTHER_Backfill Removal Areas_

Equipment Working	Today's yardage	Yardage to-date
Backhoe w/ compacting wheel, Handheld Wacker, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill.

Backfill Locations REM-6, REM-7, REM-9, and REM-5-4S, respectively.

When and where observed, the contractor placed backfill soils in lifts. For the smaller excavations a handheld wacker was used and for the larger areas the backhoe's compacting wheel was utilized. Bottoms were moisture conditioned prior to backfill and water was added as needed.

When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
13	REM-9	-3.0'	Mx2	7.5	10.1	129.5	123.4	95
14	REM-9	-1.0'	Mx2	7.5	9.5	129.5	124.8	96
15	REM-6	-2'	Mx2	7.5	10.8	129.5	119.5	92
16	REM-6	-0'	Mx2	7.5	10.3	129.5	120.1	93
17	REM-5-4S	-0'	Mx2	7.5	7.5	129.5	118.7	90

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DAILY FIELD REPORT

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Project No **603127.015**	IC No	Report No					
Project Name **POLA SCIG**	Date **9-10-15**						
Location Long Beach CA	Day M ☐ T ☐ W ☐ T ☒ F ☐ S ☐ S ☐		Tech	SLH			
Author Steve Harrison	Weather Sunny		Hours	9.5			
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles				
Field Supervisor JTB	Geologist		Soil Engineer				

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐POSTGRADING ☒OTHER_Backfill Removal Areas_

Equipment Working	Today's yardage	Yardage to-date
Backhoe w/ compacting wheel, Handheld Wacker, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill of the removal excavations.

REM-7

When and where observed, the contractor placed backfill soils in lifts. The backhoe's compacting wheel was utilized for most of the effort and the wacker was used to compact edges. Bottoms were moisture conditioned prior to backfill and water was added as needed.

REM-5-3S and REM-5-5S

The Bottoms were processed, moisture conditioned and compacted prior to backfill.

When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
18	REM-7	-4.0'	Mx2	7.5	11.1	129.5	119.4	92
19	REM-7	-2.0'	Mx2	7.5	9.9	129.5	121.6	94
20	REM-7	-0.0'	Mx2	7.5	10.3	129.5	120.0	93
21	REM-5-3S (Bottom)	-3.0'	Mx2	7.5	11.8	129.5	116.7	90
22	REM-5-5S (Bottom)	-3.0'	Mx2	7.5	11.5	129.5	117.1	90

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DAILY FIELD REPORT

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

Project No **603127.015**	IC No	Report No					
Project Name **POLA SCIG**	Date **9-11-15**						
Location Long Beach CA	Day M ☐ T ☐ W ☐ T ☐ F ☒ S ☐ S ☐		Tech	SLH			
Author Steve Harrison	Weather Sunny		Hours	7			
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles				
Field Supervisor JTB	Geologist		Soil Engineer				

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐POSTGRADING ☒OTHER_Backfill Removal Areas_

Equipment Working	Today's yardage	Yardage to-date
Backhoe w/ compacting wheel, Handheld Wacker, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill of the removal excavations.

REM-5-3S and REM-5-5S

When and where observed, the contractor placed import soils in thin lifts. Lifts were moisture conditioned and wheel rolled with skip loader. Handheld-wacker was used around edges.

When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
23	REM-5-3S	-2.0'	Mx2	7.5	12.3	129.5	119.4	90
24	REM-5-5S	-2.0'	Mx2	7.5	11.5	129.5	119.9	93
25	REM-5-5S	-2.0'	Mx2	7.5	10.1	129.5	123.2	95

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DAILY FIELD REPORT

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

Project No **603127.015**	IC No	Report No					
Project Name **POLA SCIG**	Date **9-14-15**						
Location Long Beach CA	Day **M** ☒ **T** ☐ **W** ☐ **T** ☐ **F** ☐ **S** ☐ **S** ☐		Tech	SLH			
Author Steve Harrison	Weather Sunny		Hours	10			
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles				
Field Supervisor JTB	Geologist		Soil Engineer				

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐POSTGRADING ☒OTHER_Backfill Removal Areas_

Equipment Working	Today's yardage	Yardage to-date
Backhoe w/ compacting wheel, Handheld Wacker, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill of the removal excavations.

REM-5-3S and REM-5-5S

When and where observed, the contractor continued placing import soils in thin lifts. Lifts were moisture conditioned and wheel rolled with skip loader. Handheld-wacker was used around edges.

When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
26	REM-5-3S	-1.0'	Mx2	7.5	11.3	129.5	116.7	90
27	REM-5-3S	-1.0'	Mx2	7.5	9.5	129.5	122.8	95
28	REM-5-5S	-1.0'	Mx2	7.5	10.7	129.5	121.5	94

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DAILY FIELD REPORT

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

Project No **603127.015**	IC No	Report No						
Project Name **POLA SCIG**	Date **9-17-15**							
Location Long Beach CA	Day **M** ☐ **T** ☐ **W** ☐ **T** ☒ **F** ☐ **S** ☐ **S** ☐		Tech	SLH			
Author Steve Harrison	Weather Partly Cloudy		Hours	10			
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles				
Field Supervisor JTB	Geologist	Soil Engineer					

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐POSTGRADING ☒OTHER__Backfill Removal Areas__

Equipment Working	Today's yardage	Yardage to-date
Skip Loader, Handheld Wacker, Vibratory plate, Roller, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill of the removal excavations.

REM-5-3S and REM-5-5S

When and where observed, the contractor continued placing import soils in thin lifts. Lifts were moisture conditioned and wheel rolled with skip loader. Handheld-wacker was used around edges. Backfill was completed. When and where tested and / or retested Relative Compaction of 90% or greater was obtained.

REM-1, REM-3, REM-4, REM-5-2S, REM-5-6S, REM-6, REM-7, REM-9 and REM-10

AC PAVING- When and where observed the contractor placed tack prior to placement of ac. AC was placed in two lifts and compacted with a vibrator plate and/or roller. When and where tested and / or retested Relative Compaction of 95% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
29	REM-5-3S	SG	Mx2	7.5	11.3	129.5	116.1	90
30	REM-5-5S	SG	Mx2	7.5	11.0	129.5	117.0	90
AC 1	REM-6	AC	Plant			147.0+/-	140.2	95
AC 2	REM-7	AC	Plant			147.0+/-	142.9	97
AC 3	REM-10	AC	Plant			147.0+/-	139.9	95
AC 4	REM-1	AC	Plant			147.0+/-	139.4	95
AC 5	REM-3	AC	Plant			147.0+/-	141.5	96
AC 6	REM-4	AC	Plant			147.0+/-	141.0	96
AC 7	REM-5-2S	AC	Plant			147.0+/-	139.6	95
AC 8	REM-5-6S	AC	Plant			147.0+/-	143.1	97
AC 9	REM-9	AC	Plant			147.0+/-	142.8	97

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DAILY FIELD REPORT

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

Project No **603127.015**	IC No	Report No						
Project Name **POLA SCIG**	Date **9-18-15**							
Location Long Beach CA	Day M ☐ T ☐ W ☐ T ☐ F ☒ S ☐ S ☐		Tech	SLH				
Author Steve Harrison	Weather Partly Cloudy		Hours	8				
Client/Contractor POLA/ Griffith	Supt/Foreman		Miles					
Field Supervisor JTB	Geologist		Soil Engineer					

Observation/Testing of:

☐ MASS GRADING ☐ PRECISE GRADING ☐POSTGRADING ☒OTHER__Backfill Removal Areas__

Equipment Working	Today's yardage	Yardage to-date
Skip Loader, Handheld Wacker, Vibratory plate, Roller, Water Truck		

Summary of Operations

Onsite at the request of client to observe and test backfill of the removal excavations.

REM-2,REM-5-1S,3S,4S,5S,6S &7S, and REM-8

AC PAVING- When and where observed the contractor placed tack prior to placement of ac. AC was placed in two lifts and compacted with a vibrator plate and/or roller. When and where tested and / or retested Relative Compaction of 95% or greater was obtained.

Test No.	Test Location	Elevation/ Depth	Soil Type	Optimum Moisture	Field Moisture	Maximum Density	Field Density	Rel. Comp.
AC 10	REM-2	AC	Plant			147.0+/-	143.0	97
AC 11	REM-5-1S	AC	Plant			147.0+/-	143.2	97
AC 12	REM-5-6S	AC	Plant			147.0+/-	142.9	97
AC 13	REM-5-7S	AC	Plant			147.0+/-	139.5	95
AC 14	REM-5-4S	AC	Plant			147.0+/-	139.9	95
AC 15	REM-5-3S	AC	Plant			147.0+/-	140.5	95
AC 16	REM-5-5S	AC	Plant			147.0+/-	141.1	96
AC 17	REM-8	AC	Plant			147.0+/-	139.7	95

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MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Leighton

Port of Los Angeles/LAHD Classification

Project Name:	Yard	Tested By:	O. Figueroa	Date:	09/02/15
Project No.:	603127-015	Input By:	J. Ward	Date:	09/03/15
Boring No.:	N/A	Depth (ft.):	N/A		
Sample No.:	2, Import, LAX				
Soil Identification:	Dark yellowish brown silty sand (SM)				

Note: Corrected dry density calculation assumes specific gravity of 2.70 and moisture content of 1.0% for oversize particles

Preparation Method:	X	Moist
		Dry
Compaction Method	X	Mechanical Ram
		Manual Ram

Scalp Fraction (%)	
#3/4	
#3/8	7.4
#4	

Rammer Weight (lb.) = 10.0

Height of Drop (in.) = 18.0

Mold Volume (ft³) 0.03340

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3838	3917	3956	3920		
Weight of Mold (g)	1861	1861	1861	1861		
Net Weight of Soil (g)	1977	2056	2095	2059		
Wet Weight of Soil + Cont. (g)	437.1	462.6	517.4	604.9		
Dry Weight of Soil + Cont. (g)	419.1	435.0	476.0	544.2		
Weight of Container (g)	38.7	38.7	39.1	38.9		
Moisture Content (%)	4.73	6.96	9.48	12.01		
Wet Density (pcf)	130.5	135.7	138.3	135.9		
Dry Density (pcf)	124.6	126.9	126.3	121.3		

Maximum Dry Density (pcf) 127.0

Corrected Dry Density (pcf) 129.5

Optimum Moisture Content (%) 8.0

Corrected Moisture Content (%) 7.5

☐ **Procedure A**
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
May be used if +#4 is 20% or less

☒ **Procedure B**
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
Use if +#4 is >20% and +3/8 in. is 20% or less

☐ **Procedure C**
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)
Use if +3/8 in. is >20% and +¾ in. is <30%

Particle-Size Distribution:

GR:SA:FI

Atterberg Limits:

LL,PL,PI

