

**PERMIT NO. 950**

**GRANTED BY THE CITY OF LOS ANGELES**

**TO**

**FAST LANE TRANSPORTATION, INC.**

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THIS PERMIT ("Agreement") is made and entered into this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, by and between THE CITY OF LOS ANGELES, a municipal corporation ("City") acting by and through its Board of Harbor Commissioners ("Board"), and FAST LANE TRANSPORTATION, INC., a California corporation, 2400 E. Pacific Coast Highway, Wilmington, CA 90744 ("Tenant" or "FAST LANE") (individually referred to as "Party" and collectively referred to as "Parties").

## ARTICLE 1

### Section 1. Agreement.

For good and valuable consideration, the receipt and sufficiency of which are acknowledged by the Parties, City hereby delivers, and Tenant hereby accepts, the Premises hereinafter described, subject to the terms, limitations, conditions, restrictions and reservations contained herein and in the Charter of the City of Los Angeles and the State Tidelands Trust and the terms and conditions provided herein.

### Section 2. Premises.

#### 2.1 Description.

2.1.1 Land and Improvements. The premises subject to this Agreement are as delineated and more particularly described on Drawing No. 1-3453 ("Premises"). Such drawing is on file in the office of the Chief Harbor Engineer of the Harbor Department ("Harbor Engineer") and are attached hereto as Exhibit "A." The total area of the Premises is comprised of Five Hundred Thirty-Six Thousand Nine Hundred Fourteen (536,914) square feet (sq. ft.) of unpaved and paved land consisting of seven (7) parcels (Parcel 1 = One Hundred Forty-Seven Thousand Two Hundred Fifty-Four (147,254) sq. ft., Parcel 2 = Fourteen Thousand Four Hundred Seventy-One (14,471) sq. ft., Parcel 3 = Eighteen Thousand Two Hundred Five (18,205) sq. ft., Parcel 4 = One Hundred Sixteen Thousand Nine Hundred Thirty-Two (116,932) sq. ft., Parcel 5 = One Hundred Four Thousand One Hundred Fifty-Eight (104,158) sq. ft., Parcel 6 = Sixty-Five Thousand Thirty-Eight (65,038) sq. ft., and Parcel 7 = Seventy Thousand Eight Hundred Fifty-Six (70,856) sq. ft., as depicted on the Exhibits attached. Tenant is granted the right to utilize the Vopak Fire Emergency exit between Parcels 5 and 6 as identified on Exhibit "A" for purposes of ingress and egress to and from the Premises, only, with no other rights, including but not limited to storage or staging.

2.1.2 Existing City Improvements. The improvements on the Premises as of the Effective Date, which improvements are owned by City and subject to this Agreement, are identified in Exhibit "B," a copy of which is attached hereto. This Agreement refers to the totality of such City-owned improvements as "City's Improvements."

2.1.3 **New Improvements.** Tenant shall complete improvements at its sole cost and expense in accordance with the terms and conditions of this Agreement, including but not limited to Exhibit "B." The Parties acknowledge that additional new improvements may be constructed on the Premises following the Effective Date. If, following the Effective Date, an improvement is added to the Premises, the Harbor Engineer shall: (i) revise Exhibit "B" to include both a depiction of such additional improvement and a statement identifying such improvement's ownership; (ii) renumber the revised Exhibit "B" (such that, for example, after any such revision and renumbering, Exhibit "B" becomes "Exhibit "B-1"); and (iii) transmit such revised and renumbered Exhibit "B" to Tenant. Upon City's transmittal to Tenant, such revised and renumbered Exhibit "B" shall be deemed to: (i) be incorporated into this Agreement without further action of the Board or the Council; and (ii) supersede any earlier issued iterations of Exhibit "B."

**2.2 Acceptance and Surrender.** It is understood and agreed that Tenant accepts the Premises "AS IS," "WHERE IS," with all faults and limitations, provided that nothing herein shall be construed to negate any provision of this Agreement. Tenant agrees to surrender the Premises upon the expiration or earlier termination of this Agreement in conformance with the terms and conditions of this Agreement.

### **Section 3. Effective Date; Term and Holdover.**

**3.1 Effective Date.** This Agreement shall become effective on the date of its approval by the City Council of City ("Council") pursuant to Section 606 of City's Charter, and execution by the Executive Director of the Harbor Department ("Executive Director"), after approval as to form and legality by the City Attorney of the City of Los Angeles ("Effective Date").

**3.2 Term.** The Term of this Agreement shall be for ten (10) years commencing on the Effective Date and expiring on the last day of that ten (10) year period ("Expiration Date"), unless sooner terminated in accordance with Agreement. Either Party may terminate use and occupancy of Parcel Nos. 4, 5 and 6 with One Hundred Eight (180) days' notice to the other Party. Tenant may terminate this Agreement in whole with nine (9) months' prior written notice to the Harbor Department, subject to paying an option fee in accordance with Exhibit "N").

**3.3 Holdover.** Should Tenant remain in possession of all or any part of the Premises after the expiration of this Agreement, with or without the express or implied consent of City, such occupancy shall be considered to be a "holdover" from month to month only, and not a renewal of this Agreement nor an extension for any further term, and in such case, rent or other monetary sums due hereunder for such expired Premises shall be payable in the amount of: (i) one hundred fifty percent (150%) of the Rent, as defined in Section 4 (Rent), payable for the last month of the term of this Agreement, or one hundred fifty percent (150%) of the fair market rental, whichever is higher, plus (ii) other charges payable hereunder at the time specified in the Agreement, and such month to month occupancy shall be subject to every other provision, covenant and agreement contained herein, including any applicable Rental Adjustments set forth

in Section 4. The foregoing provisions of this Subsection 3.3 are in addition to and do not affect the right of re-entry or any right of City hereunder or as otherwise provided by law, and in no way shall such provisions affect any right which City may otherwise have to recover damages, to the extent permissible by Applicable Law, from Tenant for loss or liability incurred by City resulting from the failure by Tenant to surrender the Premises, or for any other reason. Nothing contained in this Subsection 3.3 shall be construed as consent by City to any holding over by Tenant, and City expressly reserves the right to require Tenant to surrender possession of the Premises to City as provided in the Agreement, and to the extent permissible by Applicable Law, upon the expiration of this Agreement.

## **Section 4. Rent and Other Tenant Payments.**

### **4.1 Definitions.**

4.1.1 Compensation Year. "Compensation Year" shall mean a period of twelve (12) consecutive calendar months commencing on the Effective Date and every twelve-month period thereafter. Any period of less than twelve (12) consecutive calendar months shall be a partial year. For any partial year, the Rent shall be prorated on the basis of a three hundred and sixty-five (365) day year.

4.1.2 Tariff Charges. "Tariff Charges" shall mean all charges due and owing by Tenant under the Tariff on account of Tenant's use and occupancy of the Premises.

4.1.3 CPI-U. "CPI-U" shall mean the Consumer Price Index for All Items, All Urban Consumers for the Los Angeles-Long Beach-Anaheim, California area, 1982-84=100 as published by the U.S. Department of Labor, Bureau of Labor Statistics, or a successor index selected by the Executive Director in the Executive Director's sole reasonable discretion.

4.1.4 Base Rent. "Base Rent" shall mean the monetary sum, in U.S. Dollars, Tenant shall pay to City for its use and occupancy of the Premises per Compensation Year, excluding Tariff Charges and other Additional Rent.

4.1.5 Additional Rent. "Additional Rent" shall mean all monetary sums, in U.S. Dollars, Tenant shall pay to City for applicable Tariff Charges, impositions, taxes, liens and fees imposed on the Premises or Tenant's leasehold interest in the Premises, including but not limited to late fees, fees for terminating the Agreement pursuant to Section 3.2, and any additional monetary payments which Tenant is required to pay to City as more fully set forth in this Agreement.

**4.2 Base Rent.** As consideration for rights granted in this Agreement, Tenant shall pay to City in the manner herein described without abatement, deduction or offset, except as provided herein, the following Base Rent when due, whether or not an invoice for same has been received, as reduced on a pro rata basis determined by the relationship of the amount of area

deleted to the totality of the Premises at the point of such deletion, the initial monthly amount of One Hundred Forty-Five Thousand Five Hundred Forty-Five and Sixty-Two Cents (\$145,545.62) per month due on or before the first day of each. Notwithstanding the foregoing, commencing on January 1, 2022, through December 31, 2022, the base rent shall be Two Million Sixty-Eight Thousand Six Hundred Ninety-Five and Eight-Four Cents (\$2,068,695.84), paid monthly in the amount of One Hundred Seventy-Two Thousand Three Hundred Ninety-One and Thirty-Two Cents (\$172,391.32) per month due on or before the first day of each month. Base Rent in such amount shall be paid until the first Annual Adjustment Date.

**4.3 Rental Adjustments.** It is agreed that the Base Rent shall be adjusted in accordance with the following procedures:

4.3.1 Annual Adjustments. Effective January 1, 2023 (which date and subsequent annual anniversaries shall be referred to individually as “Annual Adjustment Date”), and annually thereafter, the Base Rent shall be adjusted as of the Annual Adjustment Date automatically without further notice to reflect the percentage increase (*but in no event decrease*), if any, in the CPI-U, or successor index selected by the Executive Director in the Executive Director’s sole reasonable discretion (“Annual Adjustments”). Such adjusted Base Rent shall be equal to the product obtained by multiplying the Base Rent amount in effect on the Annual Adjustment Date by a fraction, the numerator of which is the CPI-U index for the second month immediately preceding the Annual Adjustment Date, (the “Adjustment Index”) and the denominator of which is the CPI-U index as it stood on the same month of the prior year (the “Base Index”). For accounting purposes, the Annual Adjustment shall be rounded to the nearest thousandth.

The formula illustrating the adjustment computation is as follows:

$$\text{Annual Adjusted Rent} = \text{Base Rent as of Annual Adjustment Date} \times \frac{\text{Adjustment Index}}{\text{Base Index}}$$

4.3.2 Five-Year Rate Adjustments.

4.3.2.1 Adjusted Base Rent. In addition to, and not as a substitute for the Annual Adjustments required in Subsection 4.3.1, above, as required pursuant to the Charter Section 607, on every fifth (5<sup>th</sup>) anniversary of the Effective Date (“Reset Date”), the Base Rent to be paid by Tenant for each five (5) year period, or any portion thereof, following the first five (5) year period of the Term (“Five-Year Adjusted Period”) shall be adjusted to reflect the fair market rental for the Premises, *provided that in no case will the Base Rent be adjusted downward*. The Adjusted Base Rent shall be mutually agreed upon between the Parties at some time not more than nine (9) months and not less than three (3) months before each Reset Date. If the Parties are able to reach agreement on the Adjusted Base Rent, then said agreement shall be presented as a recommendation to the Board. The Adjusted Base Rent shall be established by order of the Board,

provided that if the Adjusted Base Rent has not been determined by the beginning of the Reset Date, the Base Rent for the new Five-Year Adjusted Period, subject to the final Adjusted Base Rent being negotiated or determined by the Appraisal Process, shall be one hundred twenty five percent (125%) of the Base Rent for the former period, and shall be paid in the same manner as provided in this Section 4 until completion of the negotiations or the Appraisal Process procedure set forth below.

4.3.2.2 Appraisal Process. If the Parties cannot agree on the amount of the Adjusted Base Rent by sixty (60) days prior to the Reset Date, the following process to determine the Adjusted Base Rent shall apply (the "Appraisal Process"); provided, however, that the Parties may continue to negotiate during the Appraisal Process period and, if an agreement is reached, the Appraisal Process shall be terminated and the negotiated amount shall be presented as a recommendation to the Board. The Appraisal Process shall be:

(a) No later than fifty (50) days prior to the Reset Date, the Executive Director shall provide to Tenant a written statement of the Executive Director's determination of the Market Rent for the Five-Year Adjusted Period ("Determination Due Date"). If Tenant disagrees with the Executive Director's determination, Tenant must provide to City a written objection within ten (10) calendar days of receipt of the Executive Director's determination. The written objection must include (i) the basis for Tenant's objection to the imposition of the new Adjusted Base Rent and (ii) Tenant's election to commence the Appraisal Process. Tenant acknowledges and agrees that Tenant's failure to submit a timely, written objection shall be deemed approval of the Executive Director's determination of the Adjusted Base Rent commencing on, and retroactive to, the Reset Date.

(b) If either (i) City has not provided Tenant with the Executive Director's determination of Market Rent by the Determination Due Date or (ii) Tenant has received the Executive Director's determination but elects to commence the Appraisal Process, within ten (10) calendar days following Tenant's notice of commencement of the Appraisal Process or ten (10) calendar days following the Determination Due Date, whichever is applicable, City and Tenant shall exchange the names and qualifications of three (3) appraisers, which appraisers shall possess the qualifications set forth in the attached Exhibit "C," and the Parties will utilize best efforts to agree, within ten (10) calendar days, upon a single qualified appraiser from that list whose scope of work shall be to determine the Market Rent as set forth in Exhibit "D." The selected appraiser shall be instructed to determine Market Rent within sixty (60) calendar days of the selection. The Parties shall cooperate with the selected appraiser to provide information or

documents in their respective custody or control which are reasonably necessary to generate an appraisal in conformity with Exhibit "D." City shall retain the selected appraiser; however, the costs incurred for the appraisal shall be borne equally by City and Tenant. Tenant agrees to reimburse City for half the fees and costs for the appraisal within fifteen (15) days of receipt of an invoice for payment of same.

(c) If, despite best efforts, City and Tenant cannot agree upon such single appraiser within the aforementioned ten (10) calendar days, or if the selected appraiser fails to transmit the required appraisal report within ninety (90) calendar days following the appraiser's retention, City and Tenant shall each retain their own appraiser, possessing the qualifications set forth in the attached Exhibit "C" to determine the Market Rent pursuant to Exhibit "D," within no more than sixty (60) days, unless extended by mutual written agreement of the Parties. Fees and costs of each appraiser shall be borne by the Party retaining that appraiser.

(d) Appraisals generated pursuant to Subsections 4.3.2.2 (b) and (c), above, shall be submitted to the Board along with the Executive Director's recommendation for the Board's determination of the appropriate Adjusted Base Rent, which determination shall be made at a public meeting. The Board shall review all the relevant facts and evidence, including the appraisals, submitted to it and shall then establish by order the Adjusted Base Rent to apply throughout the Five-Year Adjusted Period.

**4.3.2.3 Reconciliation of Rent Payments.** The monies paid at the one hundred twenty-five percent (125%) rate shall count against the Adjusted Base Rent which shall accrue from the date the Five-Year Adjusted Period commenced. If the Adjusted Base Rent is more than the Base Rent paid at the one hundred twenty-five percent (125%) rate, Tenant shall immediately pay City the difference due from the date the Five-Year Adjustment Period commenced to the date the Adjusted Base Rent is paid. If the Adjusted Base Rent is less than the amount paid at the one hundred twenty-five percent (125%) rate, Tenant shall be entitled to a credit against future sums owed to City under this Agreement. No interest shall accrue on the amount due to City or Tenant pursuant to this provision except to the extent Tenant fails to pay any deficiency within thirty (30) days of a billing from City. If Tenant's payments are delinquent, a delinquency charge shall accrue at the rate provided in Item No. 270 of the Tariff (or its successor), currently consisting of simple interest of 1/30 of two percent (2%) of the invoice amount remaining unpaid each day.

**4.4 Reconciling Rent for Final Measurements.** The Parties agree that the Rent shall be adjusted to reflect any changes in the final measurement of the Premises, or any improvements thereon, which are made pursuant to Subsection 102.3 (Modifications of Premises

and Documents), without further action of the Board or the Council. City shall inform Tenant of the revised Rent by written notice and affix such notice as an Attachment to this Agreement.

**4.5 No Waiver.** It is agreed by the Parties that failure by the Parties to comply timely with the Rent adjustment procedures herein shall not be construed to constitute a waiver of the right of City to a Rent adjustment.

**4.6 Additional Rent.**

4.6.1 Payment; Definition of Rent. In addition to any other consideration under this Agreement, including without limitation any Base Rent, Tenant shall pay to City all Additional Rent, as listed below, when due. Base Rent and Additional Rent shall collectively be referred to herein as "Rent." All Rent shall be paid to City at the address to set forth in Subsection 103.2.2 (Payments), or at such other place as City may from time to time designate.

4.6.2 Tariff. Tenant shall pay City for any applicable Tariff Charges as Additional Rent.

4.6.3 Taxes and Impositions.

(a) Tenant shall timely pay all Taxes imposed with respect to this Agreement, the use or the operation of the Premises, including, without limitation, any documentary or other transfer or sales taxes, property or possessory interest taxes and any City of Los Angeles Business Tax applicable to the use and operation of the Premises. City reserves the right, without being obligated to do so, to pay the amount any such Taxes not timely paid by Tenant, and the amount so paid by City shall be deemed Additional Rent hereunder, due and payable by Tenant immediately upon demand by City.

(b) Tenant hereby agrees to pay as Additional Rent such assessments, fees and charges as shall be set by the Board and that shall be reasonable and not unjustly discriminatory.

(c) Notwithstanding this Subsection 4.6.3, Tenant does not waive its right to seek relief from a court of competent jurisdiction to the extent that such Tax, assessment, fee or charges are contrary to Applicable Law.

4.6.4 Utilities and Services. Tenant shall be liable for and shall pay all charges for services furnished to the Premises, including, without limitation, heat, power, telephone, water, light, janitorial services, security services and trash collection services, and any other services in connection with its occupancy of the Premises, including, without limitation, deposits, connection fees or charges and meter rentals required by the supplier of any such service. If any such services are not separately metered or billed

to Tenant, Tenant shall pay a reasonable proportion, to be determined by City, of all charges jointly metered or billed. There shall be no abatement of Rent and City shall not be liable in any respect whatsoever for the inadequacy, stoppage, interruption or discontinuance of any utility or service due to riot, strike, labor dispute, breakdown, accident, repair or other cause beyond City's reasonable control or in cooperation with governmental request or directions. To the extent such utilities and services are provided by City, payment for same shall be Additional Rent. Use of water at the crusher site must be arranged for use through a LADWP water meter that will be billed back to the Tenant at actual cost (water volume cost plus meter rental). Use of LADWP/Port water mains without prior Port authorization through the Harbor Department Wharfing Division will constitute a material breach of the Permit.

4.6.5 Rent for Non-permitted Uses. Use of the Premises for purposes not expressly permitted herein, whether approved in writing by the Executive Director or not, may result in additional charges, including charges required by the Tariff, as it may be amended or superseded. Imposing additional charges and receiving Additional Rent for non-permitted uses shall not waive City's rights to declare a default or limit City's remedies under this Agreement and at law.

4.6.6 Rent on New Improvements. With respect to additions, improvements or alterations to the structures on the Premises authorized by City and made by Tenant, at Tenant's sole expense, during the Term of this Agreement, Tenant shall not be charged Rent for the rental value thereof unless and until title to said additions, improvements, or alterations revert to City pursuant to the terms of this Agreement or by operation of law.

4.6.7 Other Amounts. Any amounts due and owing from Tenant that arise from or are related to its undertaking of the Permitted Uses or its occupancy of the Premises, including without limitation, service charges for services provided by the Harbor Department.

4.6.8 City's Net Return. The Parties intend that this Agreement shall constitute a "triple net lease" so that the Rent shall provide City with a "net" return for the Term, free of any expenses or charges with respect to the Premises, except as specifically provided in the Agreement. Accordingly, Tenant shall pay as Additional Rent and discharge, before delinquency (but subject to the terms of this Agreement, including any applicable cure periods), each and every item of expense, of every kind and nature whatsoever, including Impositions or other amounts customarily paid by a tenant under a "triple net lease" or otherwise payable by Tenant in accordance with the terms of this Agreement.

## **Section 5. Uses.**

**5.1 Permitted Uses.** The Premises shall be used for the following purposes and no others: storage of containers, trailers, and miscellaneous related equipment associated with

container transport and other uses incidental to, subject to the prohibitions listed below ("Permitted Uses"). Equipment necessary and used for the Permitted Uses (such as a water truck for dust control, Utility Tractor Rig (UTR), and Top Handler (Top Pick) equipment for container movement) must meet the load rating for the container or chassis being lifted. Tractor trailers should only operate on roads paved in CMB when loading and unloading of containers from a UTR or Top Handler.

**5.2 Limitations on Use.** Tenant shall not use or allow the Premises or any part thereof to be used for purposes other than the Permitted Uses without the prior written approval of the Board (which approval may be withheld by the Board in its sole and absolute discretion), and subject to such restrictions, limitations and conditions as may be imposed by the Board. No maintenance or fueling activities of any kind (or other devices/vehicles used for such uses) are permitted within the Premises or on the private Port road, as depicted on Exhibit "A," that connects the west side premises near California Sulphur Company to the FAST LANE gated entrance east of Praxair. For safety reasons, there shall be NO STACKING OF CONTAINERS BEYOND SIX (6) HIGH, regardless of container height or type. Stacking must be pyramid style adjacent to California Sulphur, Vopak, oil pump jacks and Port-serving railroad tracks, with one container high adjacent to fence lines. Accepted engineering standards should apply in regards to stacking of containers to maintain safety in the event of an earthquake. Operation of permitted heavy equipment should be conducted solely on asphalt, concrete, or CMB. Operation of heavy equipment on dirt is not permitted. Trucks entering and leaving the Port must use the route shown on Exhibit "E."

**5.3 Operating Covenant.** Tenant shall manage and operate the Premises, or cause them to be managed and operated, as a maritime support facility, in a manner consistent with the manner and standard by which comparable facilities are managed and operated, and shall perform maintenance and capital improvements necessary to maintain the Premises in a manner comparable to that in which comparable facilities are maintained.

## **Section 6. Notices.**

The Parties shall send all notices or other communication necessary under this Agreement in writing by personal service, or express mail, Federal Express, DHL, UPS or any other similar form of airborne/overnight delivery service, or mailing in the United States mail, postage prepaid, certified and return receipt requested, addressed to the Parties at their respective addresses as follows:

If to City (or its Harbor Department):

Port of Los Angeles  
425 South Palos Verdes Street  
San Pedro, California 90731  
Attn: Executive Director

with copies to:

Los Angeles City Attorney's Office  
425 South Palos Verdes Street  
San Pedro, California 90731

and to:

Real Estate Division  
P.O. Box 151  
San Pedro, CA 90733-0151

If to Tenant:

Fast Lane Transportation, Inc.  
2400 E. Pacific Coast Highway  
Wilmington, CA 90744  
Attn: Patrick Wilson

Any such notice shall be deemed to have been given upon delivery or two business days after deposit in the mail as aforesaid. Either Party may change the address at which it desires to receive notice upon giving written notice of such request to the other Party.

**ARTICLE 1 – Sections 7 to 99, intentionally omitted.**

## **ARTICLE 2 – STANDARD PROVISIONS**

### **Section 100. Applicability of Article 2.**

Notwithstanding anything in this Agreement to the contrary, in the case of any inconsistency between Article 1 and Article 2 of this Agreement, the provisions of Article 1 shall be controlling.

### **Section 101. Definitions.**

All capitalized terms used and not defined in Article 1 or Article 2 shall have the meaning ascribed to them in the Glossary of Defined Terms attached hereto and incorporated herein as Attachment 1.

### **Section 102. Limitations and Additional Provisions Related to Premises.**

**102.1 Compliance with Applicable Laws; Executive Directives.** At all times in its use and occupancy of the Premises and in its conduct of operations thereon, Tenant, at its sole cost and expense, shall comply with all Applicable Laws. In addition to the foregoing, Tenant shall comply immediately with any and all directives issued by the Executive Director under authority of any such Applicable Law. It is the Parties' intent that Tenant shall make, at Tenant's sole cost and expense, any and all alterations, improvements and changes, whether structural or nonstructural, that are required by Applicable Law.

**102.2 Reservations.** This Agreement and the Premises are and shall be at all times subject to the reservations and exclusions listed below and 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 in this Agreement.

102.2.1 Utilities or other Rights-of-Way. Rights-of-way for sewers, pipelines (public or private), conduits for telecommunications, electric, gas, and power lines, as may from time to time be determined to be necessary by the Board, including the right to enter upon, above, below or through the surface to construct, maintain, replace, repair, enlarge or otherwise utilize the Premises for such purpose, without compensation or abatement of Rent and with as minimal interference with the Permitted Uses as possible.

102.2.2 Streets and Highways. Rights-of-way for streets and other highways and for railroads and other means of transportation which are apparent from a visual inspection of the Premises or which shall have been duly established or which are reserved herein, provided that the exercise of such right after the Effective Date does not materially interfere with the Permitted Uses.

102.2.3 Telecommunication and Utility Equipment. Access, temporary occupancy and the right of City or third-parties selected by City in its sole and absolute discretion to install, operate, maintain and repair telecommunication and utility

equipment, without compensation or abatement of Rent unless otherwise agreed to in writing by City. City shall minimize any interference with the Permitted Uses to the extent possible.

102.2.4 Homeland Security. Access, temporary occupancy and other rights reasonably necessary to comply with homeland security or related requirements of local, state and federal law enforcement agencies or the Harbor Department. City reserves the right to install, maintain and operate on the Premises equipment related to homeland security and/or public safety with seventy-two (72) hours prior written notice to Tenant without compensation or abatement of Rent unless otherwise agreed to in writing by City.

102.2.5 Environmental Initiatives. Access, temporary occupancy and other rights reasonably necessary to comply with environmental initiatives and/or policies of City, local, state and federal agencies or the Harbor Department, provided that the exercise of such rights do not materially interfere with the Permitted Uses.

102.2.6 Prior Exceptions. All prior exceptions, reservations, grants, easements, leases or licenses of any kind whatsoever that 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.

102.2.7 Mineral Rights Excluded. All minerals and mineral rights of every kind and character now known to exist or hereafter discovered, including, without limiting the generality of the foregoing, oil, gas and water rights, together with the full, exclusive and perpetual rights to explore for, remove and dispose of said minerals, or any part thereof, from the Premises, without, however, the right of surface entry on the Premises.

### **102.3 Modification of Premises and Documents.**

102.3.1 Final Measurement. The Premises may be subject to final measurement by City. To the extent that the final measurements differ from Exhibit "A," the Harbor Engineer shall: (i) revise Exhibit "A" to reflect the correct measurements of the Premises and any improvements thereon; (ii) renumber the revised Exhibit "A" as Exhibit "A-1"; and (iii) transmit Exhibit "A-1" to Tenant. Upon City's transmittal to Tenant, such revised and renumbered Exhibit "A-1" shall be deemed to: (i) be incorporated into this Agreement without further action of the Board or the Council; and (ii) supersede Exhibit "A."

102.3.2 Modifications. Addition or deletion of Premises for which Tenant is charged, not to exceed a cumulative total of ten percent (10%) of the originally designated Premises, may be made by mutual agreement of the Parties, so long as such change in area is not a temporary use of substitute premises as set forth in Tariff Item 1035 (or its successor) or not temporary as determined by City in its sole reasonable discretion. Such addition or deletion shall be by written amendment and shall specify appropriate

adjustments in Rent and shall not require approval by the Board or the Council unless the modification involves an amount in excess of the Executive Director's contracting authority, as that amount may be amended from time to time, in which case prior Board approval shall be required. The Executive Director shall revise and replace the following: (i) Section 2 (Premises) (ii) Section 4 (Rent and Other Tenant Payments), and (iii) Exhibit "A," as necessary to conform to these modifications.

**102.4 Inspection by Tenant; No Warranties by City.** Tenant acknowledges that it has inspected the Premises in contemplation of entering into this Agreement and occupying the Premises for the Permitted Uses, including the construction of improvements, if any, and acknowledges and agrees that:

(a) Tenant is accepting the Premises as set forth in Subsection 2.2 (Acceptance and Surrender), that is, without representation or warranty with respect thereto, express or implied, except only as set forth in this Agreement, with regard to the physical or other condition of the Premises, including the existence of any Hazardous Substances thereon, soils condition, the presence or absence of archeological or historical remains or suitability for the intended use;

(b) Tenant has determined for itself, that the Premises are suitable for the Permitted Uses; and

(c) No individual of, or affiliated with, City has made any representation or warranty with respect to the Premises or improvements existing or planned or to the suitability of the Premises for the Permitted Uses, unless the nature and extent of such representation or warranty is described in writing and attached hereto.

**102.5 No Conveyance of Fee Estate.** The Parties acknowledge and agree that this Agreement does not transfer or convey the Fee Estate of the Premises, and that any grant or conveyance under this Agreement is solely of the leasehold estate thereto.

**102.6 Temporary Assignments.** By issuing this Agreement, City does not grant to Tenant the sole or exclusive right to use the Premises. Whenever the Premises, excepting the office building occupied by Tenant, if any, are not being used, in whole or in part, by Tenant for the Permitted Uses or if City requires the Premises on a project or emergency basis, the Executive Director shall have the right, subject to Tenant's consent (which consent shall not be unreasonably withheld), to make temporary assignments to other persons, firms and/or corporations to use the Premises, or any part thereof, as provided in the Tariff. Any direct charges accruing against Tenant from the use of the Premises by a temporary user, and the allocated costs of utilities which Tenant furnishes to such temporary user, shall be paid by such temporary user. City and Tenant agree to negotiate in good faith regarding any other terms and conditions of such temporary assignments.

**102.7 Waste or Nuisance.** Tenant shall not use the Premises in any manner that constitutes waste or nuisance.

**102.8 Load Limits.** City warrants and represents that wharfs and paving on the Premises will support the load limits specified in Exhibit "B." Tenant shall allow no loading in excess of such limits without the prior written consent of the Harbor Department, which consent may be provided by a Harbor Engineer's Permit or a Heavy Lift Permit. Upon receipt of a notice from City that the load limits on Exhibit "B" have been exceeded, Tenant immediately shall take all appropriate steps to correct such condition and, irrespective of such notice, shall, as between City and Tenant, be solely responsible for any cost, expense or damage resulting from exceeding the load limits.

**102.9 Wilmington Truck Route.** City and Tenant acknowledge that Tenant does not directly control the trucks serving the Premises. However, Tenant shall make its best efforts to notify truck drivers, truck brokers and trucking companies that trucks serving the Premises must confine their route to the designated Wilmington Truck Route ("Wilmington Truck Route" attached hereto as Exhibit "E"). The Wilmington Truck Route may be modified from time to time at the sole and absolute discretion of the Executive Director. The Harbor Department shall provide Tenant with notice of any modifications to the Wilmington Truck Route.

**102.10 Maintenance Areas.** Tenant shall not conduct or permit any maintenance of mobile or portable equipment on the Premises except in full compliance with all Applicable Laws attendant to the Premises and its use, including without limitation, all Environmental Laws and Mitigation Measures as hereinafter defined.

**102.11 Responsibility for Financing.** Tenant covenants that any financing required in connection with the use the Premises, including without limitation development and operation, shall be the sole responsibility, cost and expense of Tenant.

**102.12 Tenant to Supply Necessary Labor and Equipment.** Tenant shall, at its sole cost and expense, provide all equipment and labor necessary to undertake the Permitted Uses; provided, however, that nothing contained herein shall prevent Tenant from using such equipment as may be installed by City at the Premises upon the payment to City of all applicable charges.

**102.13 Liens; Indemnity.** Except where contested by Tenant in good faith in a court of competent jurisdiction, and except for non-delinquent liens arising from taxes or tax assessments, Tenant shall keep the Premises free from liens of any kind or nature arising out of its use and/or occupancy of the Premises, including any liens arising out of any labor performed for or materials furnished to or on behalf of Tenant on the Premises. Tenant agrees that it shall at all times defend and indemnify City from and against all claims for labor or materials in connection with the construction, erection or installation of improvements made by Tenant upon the Premises, or from additions or alterations made to any improvements on the Premises, or the repair of the same, by or at the direction of Tenant, and the costs of defending against any

such claim, including reasonable attorneys' fees. If a mechanic's or other similar lien shall at any time be filed against City's interest in the Premises, which is not contested by Tenant in good faith in a court of competent jurisdiction, Tenant shall: (i) cause the same to be discharged of record within thirty (30) days after the date of filing the same; or, (ii) otherwise free the Premises from such claim or lien and any action brought to foreclose such lien; or, (iii) promptly furnish City with a bond in the amount of the lien plus twenty-five percent (25%) thereof issued by a surety company, acceptable to the Executive Director, securing City against payment of such lien and against any and all loss or damage whatsoever in any way arising from the failure of Tenant to discharge such lien.

**102.14 Tenant Telecommunications Equipment.** Tenant shall coordinate with the Harbor Department and any other applicable Governmental Agencies prior to installing any radio or telecommunications equipment to ensure that frequencies do not interfere with public safety communications or radio frequencies.

**102.15 Property of Tenant.** All property brought onto the Premises by Tenant, or in the care, custody or control of Tenant, to undertake the Permitted Uses or otherwise shall be and remain the property of Tenant, subject to the terms and conditions contained herein, and shall be there at the sole risk of Tenant. Tenant hereby waives all claims against City with respect to such property, except for injury or damage to such property caused by City's sole negligence or willful misconduct.

**102.16 Quiet Enjoyment.** City covenants that, so long as this Agreement has not expired or terminated in accordance with its terms and Applicable Laws attendant to the Premises and its use, Tenant shall and may peaceably and quietly have, hold and enjoy the Premises for the Term so long as the Premises are used in compliance with the State Tideland Trust. By such covenant, City makes no representation or warranty as to the condition of title of the Premises or the suitability of the Premises for the Permitted Uses. Tenant's sole remedy for breach of this Subsection 102.16 shall be an action for specific performance.

**102.17 Local Job Participation; Living Wage.** In furtherance of the policies of the Board and the Council, Tenant shall strive to achieve the goals of local job participation in the use and operation of the Premises and the Living Wage Ordinance of the City of Los Angeles as defined in the City of Los Angeles Administrative Code Section 10.37.

**102.18 Provision of Safe Environment.** Tenant shall provide for a safe environment on the Premises and follow the Harbor Department's Homeland Security rules and regulations, including without limitation, Tariff Section 2, item 298, (or its successor) and all other Applicable Laws.

## **Section 103. Additional Provisions Related to Rent.**

**103.1 Premises Subject to Tariff.** Tenant accepts the Premises and shall undertake the Permitted Uses subject to each and every of the terms and conditions provided in this

Agreement, and to each and every of the applicable rates, terms and conditions of the Tariff as it now exists, or as it may be temporarily amended or permanently amended or superseded. 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 Agreement, it shall maintain a complete and current Tariff at the address set forth in Section 6 (Notices). Except as otherwise set forth in this Agreement, 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 Agreement and a Tariff provision. In the event of such conflict, this Agreement shall at all times prevail.

### **103.2 Requirements Applicable to Tenant's Payment of Rent.**

103.2.1 Tenant's Obligation to Pay; No Right of Set-Off. Notwithstanding any other provision of this Agreement, Tenant's obligations to pay Rent to City according to the terms and conditions of this Agreement shall be absolute and unconditional and shall be unaffected by any circumstance, including, without limitation, off-set, counterclaim, recoupment, defense or other right which Tenant may have against City.

103.2.2 Payments. Tenant shall render its payments at the Harbor Department Administration Building or any other place that City from time to time may designate in writing. All payments due to City under this Agreement 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.

103.2.3 Proration of Payments. If any payment by Tenant is for a period shorter than one calendar month, the Rent for that fractional calendar month shall accrue on a daily basis for each day of that fractional month at a daily rate equal to 1/365 of the total annual Rent then due and payable. All other payments or adjustments that are required to be made under the terms of this Agreement and that require proration on a time basis shall be prorated on the same basis.

103.2.4 Labor Disturbance. If, by reason of strikes, other labor disputes, lockouts, or other work stoppages of which Tenant did not directly or indirectly cause and/or to which Tenant is not a party ("Labor Disturbance"), occurring at the Premises and lasting more than (30) days, Tenant is prevented from making substantial use of Premises to undertake the Permitted Uses, the Rent for the period during which the Labor Disturbance occurs shall be proportionately adjusted, commencing the thirty-first (31<sup>st</sup>) day after commencement of such Labor Disturbance, provided Tenant has, prior to such date, given City written notice of such Labor Disturbance including its assertion that it has not caused such disturbance, and such reduction shall be applicable from and after said thirty-first (31<sup>st</sup>) day until Tenant is able to make substantial uses of the Premises to undertake the Permitted Uses.

103.2.5 Force Majeure Not Applicable. Any Force Majeure provision or principle, including, without limitation, the provisions of Section 110 (Force Majeure), shall not apply to any of Tenant's Rent Payment Obligations.

#### 103.2.6 Deposits.

103.2.6.1 Security Deposit. As a condition precedent to the effectiveness of this Agreement, Tenant shall deposit with the Board a sum equal to two (2) times the Monthly Rent due for the first full two (2) months of the Agreement. Said deposit shall be in cash or a standby letter of credit, or equivalent, in a form approved by City. Said deposit may be used to cover delinquent Rent and other obligations under this Agreement. This deposit shall not, in any way, reduce Tenant's liabilities under this Agreement unless specifically stated in writing by City and approved by the Board. In the event that all or part of such deposit is used to apply against Rent due and unpaid or other obligations due and unpaid, Tenant shall immediately make another deposit in an amount equal to the amount so used, so that at all times during the term of this Agreement said deposit shall be maintained in the sum stated above, or as increased pursuant to Subsection 103.7.6.2, below. Two percent (2%) of the value of the standby letter of credit, or its equivalent shall be deducted and paid to a Harbor District maintenance fund and shall be non-refundable. Upon the expiration or earlier termination of this Agreement, the Executive Director may release the standby letter of credit or its equivalent and refund the remaining ninety-eight percent (98%) of the Security Deposit to Tenant, provided that Tenant is in compliance with all the terms and conditions of this Agreement.

103.2.6.2 Increased Security Deposit. If, for any reason, Tenant's Monthly Rent obligation to City is increased in excess of ten percent (10%), the amount of Tenant's Deposit shall, within thirty (30) days after receiving written notice from City, correspondingly be increased to a sum three (3) times the new Monthly Rent obligation.

103.2.6.3 Port Environmental Fund Deposit. In addition to the Security Deposit, Tenant shall deposit with the Board a sum equal to one percent (1%) of the Base Rent up to \$100,000 per year, for deposit into the Port's general environmental clean-up and restoration fund to be used by City if Tenant fails to remediate a Term Release fully or if Tenant fails to restore the Premises fully at the expiration or earlier termination of the Agreement. Any funds not needed for a Term Release or for Restoration shall be refunded to Tenant.

103.2.7 Delinquent Payments. Payments required to be made by this Section 103 which have not been paid within ten (10) calendar days of the date such payments are due shall be subject to a delinquency charge which shall accrue at the rate provided in Item No. 270 of the Tariff, currently consisting of simple interest of 1/30 of

two percent (2%) of the amount remaining unpaid each day. Tenant acknowledges that it knows the day of the month its payments hereunder are due and that such payments are due to be made from that date and not the date of City's invoice, if any. The delinquency service charge shall be imposed whether or not a deposit required by Subsection 103.2.6, above, is applied to the amount due. City has the unqualified right, upon thirty (30) days' prior written notice to Tenant, to change the level of the delinquency service charge.

## **Section 104. Tenant's Environmental Obligations During Term of Agreement.**

### **104.1 Intentionally Blank**

### **104.2 Tenant Responsibility for Existing Condition of the Premises.**

104.2.1 Existing Conditions. Tenant has accepted the Premises in an "AS IS" condition as set forth Subsection 2.2 (Acceptance and Surrender). As such, Tenant shall be responsible for remediation of all contaminants which may be on, below or emanating from the Premises whether or not such contamination occurred before or after Tenant took possession of the Premises unless a Baseline Report for the Premises is obtained as set forth below.

104.2.2 Baseline Conditions, Baseline Report. Notwithstanding Subsection 104.2.1, above, Tenant acknowledges and agrees that it has reviewed and approved the documents collectively attached hereto as Exhibits "F-1" and F-2, if any, which documents constitute 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." Tenant shall be responsible only for contamination above the Baseline levels for those contaminants covered in the Baseline Report. Any contaminants not analyzed in the Baseline Report, any contamination which occurred as a result of Tenant Prior Occupancy as set forth in Subsection 104.2.4 (Existing Contamination), and any Term Contamination shall be the sole responsibility of Tenant.

#### **104.2.3 Intentionally Left Blank.**

104.2.4 Existing Contamination. City and Tenant acknowledge that prior to the Effective Date, the Premises, or portions thereof, were occupied by Tenant, or an Affiliate of Tenant, or by an assignor or transferor to Tenant, under an entitlement or agreements separate from this Agreement ("Tenant Prior Occupancy") and that as a result of such prior use and occupancy, the Premises (and/or areas adjacent to the Premises) on the Effective Date may possess contamination ("Existing Contamination"). As to City, Tenant bears all responsibility for the Existing Contamination which occurred during Tenant Prior Occupancy whether or not such contamination is depicted in a Baseline Report.

### **104.3 Tenant Responsibility for Term Contamination.**

104.3.1 Remediation. Tenant shall remediate or cause the remediation of any Term Releases, including any Existing Contamination that is not covered by a Baseline Report, such that the affected Premises (and/or areas adjacent to the Premises) are left: (a) in the Baseline Condition if a Baseline Report was prepared and approved by City or (b) in an environmental condition that fully complies with the guidelines of, orders of, or directives of the Governmental Agency or Agencies that have assumed jurisdiction, if any, whichever of the two is stricter, and in conformance with Harbor Department then existing remediation procedures, and free of encumbrances, such as deed or land use restrictions, except those that may be imposed as a result of the presence of Environmentally Regulated Material despite Tenant's compliance with the foregoing requirement. As between City and Tenant, Tenant shall bear sole responsibility for all Term Contamination and any costs related thereto.

104.3.2 Tenant Responsibility; Indemnity. Except for Baseline Conditions which are depicted in the Baseline Report or the Tenant's Baseline Report, as the case may be, which are not Existing Contamination which occurred during Tenant Prior Occupancy, or conditions of the Premises resulting from City or third-party activities on or about the Premises when Tenant is required by this Agreement to allow City or such third-parties onto the Premises under a temporary assignment pursuant to Subsection 102.6 (Temporary Assignments), or whose access to the Premises has been requested by City pursuant to Subsection 102.2 (Reservations), 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, regardless of whether the obligation for such compliance or responsibility is placed on the owner of the land, on the owner of any improvements on the Premises, on the user of the land, or on the user of the improvements. Except for Baseline Conditions which are not Existing Contamination which occurred during Tenant Prior Occupancy, or conditions of the Premises resulting from City or third-party activities on or about the Premises when Tenant is required by this Agreement to allow City or such third-parties onto the Premises as described above, 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 Environmental Laws shall be the sole responsibility of Tenant and that Tenant shall indemnify and hold City harmless from any and all such claims, damages, fines and penalties, as well as any costs expended to defend against such claims, damages, fines and penalties, including attorneys' and experts' fees and costs that result from Term Contamination or Tenant's non-compliance with any applicable Environmental Law during the Term regarding the use, storage, handling, distribution, processing and/or disposal of Environmentally Regulated Material. City shall provide Tenant with sixty (60) days' notice to comply with any claims, damages, fines and penalties, or if Tenant has not complied with such claims, damages, fines and penalties, or if Tenant has not requested a meet and confer to discuss compliance within such sixty (60) days, then City, at its sole option, may pay such claims, damages, fines and penalties resulting from Tenant's

noncompliance with any of the Environmental Laws, and Tenant shall indemnify and reimburse City for any such payments. As between Tenant and City, City shall indemnify and hold Tenant harmless, to the extent allowed by Applicable Law, from any and all such claims, damages, fines and penalties, including attorneys' and experts' fees and costs, that result from any Baseline Condition other than for Existing Contamination which occurred during Tenant Prior Occupancy whether or not the Existing Contamination was included in the Baseline Report.

104.3.3 Rebuttable Presumption When Baseline Report Prepared. Tenant acknowledges and agrees that a presumption shall exist that any contamination not specifically depicted and analyzed in the Baseline Report or the Tenant's Baseline Report, as the case may be, constitutes Term 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 contamination is not Term 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 the City's sole and absolute discretion, exercised reasonably and in good faith. This provision shall survive the expiration or earlier termination of this Agreement.

#### **104.4 Tenant Obligations In the Event of a Term Release.**

104.4.1 Duty to Remediate. Upon discovery of any Term Contamination, Tenant shall, at its sole cost remediate the Term Contamination in accordance with Subsection 104.3 (Tenant Responsibility for Term Contamination).

104.4.2 Compliance with Government Agency Orders. If Applicable Law requires Tenant to report a Term Release to a Governmental Agency, Tenant shall so report and thereafter, if such Governmental Agency asserts jurisdiction over such Term Release, Tenant shall, at its sole cost and expense as between City and Tenant, manage the Term Release consistent with Environmental Laws and the directives of the Governmental Agencies with jurisdiction, if any. If a schedule for such Term Release management is not prescribed by Environmental Laws, or the directives of the Governmental Agencies with jurisdiction if any, the Harbor Department shall reasonably prescribe such schedule in consultation with Tenant.

104.4.3 Site Characterization. Whether a Governmental Agency asserts jurisdiction over Term Contamination or not, Tenant shall characterize (including sampling and analysis) and remediate all Term Contamination in conformity with Environmental Laws to levels determined in the sole discretion of the Executive Director. Relevant and current guidance documents published by regulatory agencies (including but not limited to, the South Coast Air Management District, the Los Angeles Regional Water Quality Control Board, the Los Angeles Fire Department (local CUPA), the California

Department Toxics Substances Control, the United States Environmental Protection Agency, and the Occupational Safety and Health Administration) shall be referenced and incorporated into work plans, site investigations and risk evaluations, and during the development and implementation of Term Contamination cleanup measures. Project planning, execution, and documentation shall be compliant with the terms as set forth in the National Contingency Plan (CFR 40, Part 300). The Tenant shall provide copies of project-relevant documents (including Work Plans, Reports, Remedial Action Plans, and Progress Reports) for Harbor Department review and approval prior to implementing field investigations, studies, or cleanups.

104.4.4 Copies to City. Tenant shall provide copies to City of all communications between Tenant (and any third-parties acting for or on its behalf), and any Governmental Agency with jurisdiction regarding all Term Releases and Term Contamination.

104.4.5 City's Rights to Remediate. If Tenant fails to wholly or partially fulfill any obligation set forth in Subsection 104.3 (Tenant Responsibility for Term Contamination), City may (but shall not be required to) take all steps it deems necessary to fulfill such obligation. Any action taken by City shall be at Tenant's sole cost and expense and Tenant shall indemnify and pay for and/or reimburse City for any and all costs (including any administrative costs) City incurs as a result of any such action it takes.

**104.5 Environmentally Regulated Material on Premises.** Tenant shall not cause or permit any Environmentally Regulated Material 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: (i) limited quantities of standard office and janitorial supplies containing chemicals categorized as Environmentally Regulated Material; (ii) Environmentally Regulated Material set forth in Exhibit "G" which are necessary for Tenant to undertake the Permitted Uses; and (iii) Environmentally Regulated Material handled in conformity with all state and federal environmental regulations. Tenant shall handle all such Environmentally Regulated Material in strict compliance with Environmental Laws in effect during the term of this Agreement or any holdover. Tenant shall provide City with a report including an updated Exhibit "G" which reflects all additional Environmentally Regulated Material necessary for Tenant to undertake the Permitted Uses only if there are changes to Exhibit "G."

#### **104.6 Environmental Compliance.**

104.6.1 Generally; Notice. In its use and occupancy of the Premises, Tenant shall comply (and shall immediately halt and remedy any incident of non-compliance) with: (a) Environmental Laws; (b) all applicable environmental policies, rules and directives of the Harbor Department as set forth on Exhibit "H" hereto; and (c) following certification of the environmental document required by the California Environmental Quality Act for the development at the Premises intended to implement the any improvements or legally entitle hereunder an additional term of use and occupancy of the Premises, the environmental mitigation measures ("Mitigation Measures") and Mitigation Monitoring and Reporting Program (or "MMRP") and other Environmental Compliance

Requirements, if any, set forth collectively in Exhibit "I" hereto. Tenant shall immediately upon receipt provide City with copies of any notices or orders or similar notifications received from any Governmental Agency regarding compliance with any Environmental Laws.

104.6.2 Revision of Mitigation Measures and Environmental Compliance Requirements. Following the Effective Date, upon mutual written agreement of the Board and Tenant, or through other measures incorporated into this Agreement, the Board may revise Exhibit "I."

**104.7 Environmental Audits.** Tenant shall perform annual written audits of its compliance with the Mitigation Monitoring and Reporting Program and Environmental Compliance requirements described in Exhibit "I." The results of such audits shall be maintained on Premises for review by City. City shall have the right to conduct, at its sole cost and expense, periodic audits of Tenant's compliance with the Mitigation Monitoring and Reporting Program and Environmental Compliance Requirements described in Exhibit "I." Tenant shall provide access to backup materials necessary for City to conduct such audits. Upon completion of such audits, should Tenant so request in writing, City shall provide Tenant with copies of any written reports or resulting from such audits.

**104.8 Waste Disposal.** In discharging its obligations under this Section 104, if Tenant disposes of any soil, material or groundwater contaminated with Environmentally Regulated Material, shall maintain 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. Tenant shall supply copies of such records to the City promptly upon City's request. The name of the City of Los Angeles, the Port of Los Angeles or the Harbor Department shall not appear on any manifest document as a generator of such material.

**104.9 Laboratory Testing.** In discharging its obligations under this Section 104, all analyses shall be conducted at a laboratory certified for such analyses by the Los Angeles Regional Water Quality Control Board or other similar laboratory of which the Harbor Department shall approve in writing. By signing this Agreement, Tenant hereby irrevocably directs any such laboratory to provide City, within thirty (30) days, upon written request from City, copies of all of its reports, test results, and data which are prepared in accordance with the requirements of this lease and/or regulatory agencies. Should Tenant fail to provide City with the requested information within thirty (30) days, City has the right to obtain such information directly from the laboratory. Tenant hereby irrevocably directs any such laboratory to provide City, upon written request from City, copies of all of its reports, test results, and data gathered. As used in this Subsection 104.9, "Tenant" includes agents, employees, contractors, subcontractors, and/or invitees of the Tenant.

**104.10 Survival of Obligations.** Except as otherwise provided in this Section 104, this Section 104 and the obligations herein shall survive the expiration or earlier termination of this Agreement.

**Section 105. Alteration of Premises by Tenant.**

**105.1 Alterations Require City Authorization.** Tenant acknowledges City's interest in controlling the manner in which physical changes are made to the Premises after the Effective Date and covenants that, other than maintenance and repair undertaken in compliance with Section 108, it shall make no improvements, alterations, additions, modifications, or changes to the Premises including but not limited to the construction of works or improvements or the changing of the grade of the Premises or which effect the structural integrity of the Improvements on the Premises or which substantially change the value or utility of the Improvements ("Alteration") without obtaining the Executive Director's prior written authorization to undertake such Alteration and no Alterations shall be made for the purpose of altering the Permitted Uses unless approved in advance in writing by the Harbor Department which approval shall be in the Harbor Department's sole and absolute discretion.

**105.2 Authorization Procedure.** When so required, Tenant shall obtain written authorization to undertake an Alteration according to the following procedure:

105.2.1 Application for Port Permits. If Tenant desires to undertake an Alteration, Tenant shall submit to the Harbor Department a complete Application for Port Permits ("APP") that attaches a complete set of drawings, plans, and specifications reflecting the proposed Alteration. Such drawings, plans and specifications shall be prepared and stamped by a licensed engineer registered in the State of California. Tenant bears sole responsibility for the completeness of such submittal.

105.2.2 Harbor Engineer's General Permit. The Harbor Engineer shall have the right to require changes to the drawings, plans and specifications Tenant submits in connection with such APP. If the Harbor Engineer orders such a change and Tenant believes that such a change will have any detrimental effect on the structural integrity of the works, project or improvements, or increase any hazard to life or property, Tenant shall immediately notify the Harbor Engineer. If Tenant fails to provide such notification, the drawings, plans and specifications shall be treated for all purposes as if they had been originally prepared by Tenant, as changed. The Harbor Engineer's approval of Tenant's submittal, if any, shall be reflected by issuance of a Harbor Engineer's General Permit.

105.2.3 Non-Harbor Department Permits. Tenant acknowledges that, in addition to obtaining a Harbor Engineer's General Permit, Tenant additionally may be required to obtain permits and authorizations with respect to the proposed Alteration from City, federal and state bodies ("Non-Harbor Department Permits"), the issuance of which the Harbor Department does not control. In any event, obtaining the Harbor Engineer's General Permit and any Non-Harbor Department Permits necessary to undertake the

proposed Alteration is and shall be the sole responsibility of Tenant. Every Alteration made by Tenant shall conform with Applicable Laws, as well as with the plans and specifications as approved by the Harbor Engineer.

105.2.4 Tenant's Obligation to Obtain All Permits. Tenant acknowledges that issuance of the Harbor Engineer's General Permit shall be conditioned upon Tenant's demonstration that it has obtained all Non-Harbor Department Permits with respect to the proposed Alteration as may be required by entities other than the Harbor Department.

105.2.5 Tenant's Obligation to Obtain All Environmental Clearances. Tenant acknowledges that the Alterations may require compliance with all Environmental Laws, including, but not limited to, compliance with CEQA. Tenant shall reimburse City for all expenses it incurs in conjunction with the review and preparation of any needed environmental clearance for the Alterations.

105.2.6 Payment of City Fees and Reimbursement of City Costs. Tenant acknowledges that City shall incur costs in processing Tenant's APP and agrees that such costs are the sole responsibility of Tenant. Tenant shall submit any fees established by the Harbor Department for processing APPs. Additionally, within fifteen (15) days of receiving an invoice by City, Tenant shall reimburse City for any extraordinary costs not covered by such fees, including without limitation, costs incurred in preparing and processing any environmental clearance for the Alteration.

105.2.7 City Inspection; Corrective Action. Tenant acknowledges that City may perform inspections of the Alteration to ensure that such Alteration conforms with the permits issued. Tenant shall undertake any corrective measures reasonably requested by City as a result of such inspections.

**105.3 Notice of Commencement and Completion of Work.** Tenant shall give advance written notice to the Harbor Engineer of the date it will commence any construction. Within thirty (30) days of completion of construction, Tenant shall provide written notice to the Harbor Engineer of the date of such completion, copies of "as-built" plans for such construction, copies of all permits issued in connection with such construction and copies of all documentation issued in connection with such completed construction, including but not limited to inspection reports and certificates of occupancy.

**105.4 Cost of Permits.** Tenant, at its sole cost and expense, shall obtain all permits necessary for such construction.

**105.5 Cost of Construction.** All construction by Tenant pursuant to this Section 105 shall be at Tenant's sole cost and expense. Tenant shall keep the Premises and improvements constructed free and clear of liens for labor and materials and shall hold City harmless from any responsibility in respect thereto.

**105.6 Construction Contractors.** Tenant shall require by contract that its construction contractors and subcontractors comply with all Applicable Laws.

**105.7 Tenant's Cost for Governmental Agency Requirements.** Any modification, improvement, or addition to the Premises and any equipment installation required by the City Fire Department, City Department of Building and Safety, Air Quality Management District, California or Regional Water Quality Control Board, United States Coast Guard, Environmental Protection Agency, Department of Homeland Security or any other local, regional, state or federal agency in connection with Tenant's undertaking of the Permitted Uses shall be constructed or installed at Tenant's sole cost and expense.

**Section 106. Pipelines (For pipeline permits only).**

**106.1 Generally.** Tenant shall maintain on the Premises as-built drawings that identify the precise position of any pipelines, utilities or improvements of any type Tenant places on the Premises, whether placed above or below ground, if any. Upon twenty-four (24) hours' written notice by the Executive Director, Tenant shall undertake at its sole cost and expense whatever measures are reasonably necessary, including subsurface exploration for any pipeline or any other substructure under Tenant's control or servicing Tenant's operation within the Premises granted herein, to precisely locate the position of such items if City considers such as-built drawings insufficient to locate such items. Tenant agrees any work necessary to locate such items or any damage which may result from the location being incorrectly described, whether incurred by Tenant or City, shall be borne exclusively by Tenant. Exploration and preparation of all documentation recording the location of lines or structures shall be completed within the time specified in said notice. The subsurface exploration shall verify the vertical as well as horizontal location of all pipelines and substructures. Documentation reflecting the results of said exploration shall be filed with the Harbor Engineer.

**106.2 City's Rights.** If Tenant neglects, fails or refuses within the time specified in said notice to begin or fails to prosecute diligently to complete the work of locating any pipeline or any other substructure under Tenant's control or servicing Tenant's operation within the Premises granted herein, the City shall have the right to enter onto the Premises and perform the work designated in the notice. All subsurface exploration required by the provisions contained herein whether performed by Tenant or City shall be performed at Tenant's expense. In addition, Tenant agrees to bear the cost of any and all damage of whatever nature caused by any act, omission, or negligence of City and any and all of its boards, officers, agents, consultants, and employees in the performance of said subsurface exploration as required by this provision. Work performed by City or City's contractors under this provision does not alter Tenant's obligation to maintain the Premises in a safe condition, both during and after completion of the work.

**106.3 Rules Governing Pipelines.** After installation, and in any event for the duration of this Agreement, Tenant shall comply with pipeline testing and inspection requirements, as well

as the laws and regulations under CFR Title 49, Subtitle B, Chapter 1 Subchapter D, the Pipeline Safety Act, the California Public Utilities Code, the California Public Utilities Commission regulations for pipelines, the California State Lands Commission Marine Facilities Division ("CSLC/MFD"), the State of California Bureau of Conservation/Division of Oil, Gas, and Geothermal Resources ("DOGGR"), and any other federal, state, or local agency not mentioned above, and as required by the California State Fire Marshall ("CSFM") under the Pipeline Safety Act. The City reserves the right to request tests for facilities not under the direct authority of the CSFM, the CSLC/MFD, the DOGGR, the California Public Utilities Commission, and the Federal Office of Pipeline Safety ("FOPS").

106.3.1 Pipeline Tests or Inspections. Tenant shall comply with the following:

(a) Within thirty (30) days from the Effective Date of this Agreement, and at least annually thereafter, Tenant shall provide the Director of Real Estate of the Harbor Department and the Director of Environmental Management of the Harbor Department with a master schedule showing dates for pipeline testing and inspection(s) in accordance with the requirements referenced in Subsection 106.3. The master schedule shall include an itemized list with corresponding line item reference numbers for each pipeline covered under this Agreement, corresponding required test(s) or inspection(s), date(s) of test(s) or inspection(s), method(s) of test(s) or inspection(s), applicable agency, the frequency of required test(s) or inspection(s), and the California State Fire Marshall Line Number and the California State Fire Marshall Test ID Number, if applicable. If Tenant's existing pipelines are modified, or new pipelines are added to Tenant's Premises, Tenant shall follow the authorization procedure described in Subsection 106.3, and provide an updated master schedule with any addition or subtraction of pipelines. The requirements of this Subsection 106.3.1 shall cover testing or inspection requirements of all agencies mentioned in Subsection 106.3, as well as any other additional required test(s) or inspection(s).

(b) If Tenant's pipeline test(s) or inspection(s) are approved by the applicable agency requiring or overseeing the test(s) or inspections(s), Tenant shall confirm in writing to the Harbor Department approval of the test(s) or inspections(s) and/or submit documentation including master schedule reference number for pipeline(s) being reported on, date(s) of test(s) or inspection(s), method(s) of test(s) or inspection(s) and a general non-technical summary of results.

(c) Tenant shall submit a summary of its certified test or inspection approval results to the Director of Environmental Management of the Harbor Department within thirty (30) days after they have been approved by the agencies which required the pipeline testing or inspection(s), and the records of such test(s) shall be retained by Tenant for as long as is required by Applicable Law, but in any

event not less than three (3) years. Records of all tests will be made available for inspection by the Executive Director.

(d) If Tenant's pipeline test(s) or inspection(s) are disapproved, and/or there are irregularities with Tenant's pipeline test(s) or inspection(s), indicating a leak or other operational deficiency, Tenant shall notify the Director of Environmental Management of the Harbor Department within three (3) days of disapproval and/or receipt of test(s) or inspection(s) results with a non-technical summary of the results including the circumstances that resulted in the disapproval or test(s)/inspection(s) irregularities as well as all test documentation produced and a description and schedule for implementation of corrective action as directed by the applicable agency requiring or overseeing the test(s) or inspection(s).

**106.4 Relocation of Pipelines; Harbor Department Right to Relocate.** At any time during the term of this Agreement, the Board shall have the right to make any change in the route or location of any pipeline constructed or maintained on the Premises by Tenant pursuant to the authority of this Agreement as may be required or made necessary for the progress of harbor development or the performance of any work or improvement within the jurisdiction of the Board. If the Board shall determine that any such change or relocation is necessary, the Board shall give at least ninety (90) days' written notice to Tenant and the work of removal and relocation shall be completed within such time after said written notice as shall be fixed in said notice. The cost of any such removal and relocation shall be borne by Tenant. If Tenant neglects, fails or refuses within the time specified in said notice to begin or fails to prosecute diligently to complete the work of relocating the pipelines, the Harbor Department shall provide written notice to Tenant which shall specify such neglect, failure or refusal. Upon delivery of the notice specifying Tenants, neglect, failure or refusal, Tenant shall have such time as is reasonably necessary to cure such neglect, failure or refusal so long as Tenant commences the cure within a thirty (30) day period and thereafter diligently prosecutes such cure to completion. If Tenant fails to cure in a timely and diligent manner, City shall have the right to enter the Premises and relocate the pipelines. Tenant shall be solely responsible for City Costs associated with the right set forth in this Subsection 106.4 and shall pay City, as Additional Rent, within thirty (30) days of receiving an invoice for payment from City. Tenant hereby waives the provisions of the Water Resources Development Act of 1980, and as amended, pertaining to cost allocation for pipeline relocation.

## **Section 107. Utilities.**

**107.1 Generally.** Tenant shall maintain on the Premises as-built drawings that identify the precise location of any pipelines, utilities or similar improvements of any type, that Tenant places on the Premises, or which were placed on the Premises by others and accepted by Tenant for use of the Premises, whether placed above or below ground, (which for the purposes of this Section 107, are collectively referred to as "utilities"). Upon twenty-four (24) hours' written notice by the Harbor Department, Tenant shall undertake at its sole cost and expense whatever

measures are reasonably necessary, including subsurface exploration for any utilities or any other substructure placed on the Premises by Tenant, or placed by others and accepted by Tenant for use of the Premises, to precisely locate the position of such items if the Harbor Department considers the as-built drawings as insufficient to locate such items. Tenant agrees any work necessary to locate such items or any damage which may result from the location being incorrectly described, whether incurred by Tenant or the Harbor Department, shall be borne exclusively by Tenant. Exploration and preparation of all documentation recording the location of lines or structures shall be completed within the time specified in said notice, which time shall be commercially reasonable. The subsurface exploration shall verify the vertical as well as the horizontal location of all utilities and substructures. Documentation reflecting the results of said exploration shall be filed with the Chief Harbor Engineer.

**107.2 Harbor Department Right to Locate.** If Tenant neglects, fails or refuses within the time specified in said notice to begin or fails to prosecute diligently to complete the work of locating any utilities or any other substructure placed on the Premise by Tenant, or placed by others and accepted by Tenant for use of the Premises, the Harbor Department shall provide written notice to Tenant which shall specify such neglect, failure or refusal. Upon delivery of the notice specifying Tenant's, neglect, failure or refusal, Tenant shall have such time as is reasonably necessary to cure such neglect, failure or refusal so long as Tenant commences the cure within a thirty (30) day period and thereafter diligently prosecutes such cure to completion. If Tenant fails to cure in a timely and diligent manner, City shall have the right to enter the Premises to identify the precise location of any utilities or improvements of any type that Tenant has placed on the Premises, or that were placed by others and accepted by Tenant for use of the Premises, whether placed above or below ground. Tenant shall be solely responsible for City Costs associated with the right set forth in this Subsection 107.2 and shall pay City, as Additional Rent, within thirty (30) days of receiving an invoice for payment from City.

**107.3 Relocation of Utilities; Harbor Department Right to Relocate.** At any time during the term of this Agreement, the Executive Director shall have the right to make any change in the route or location of any utility constructed or maintained on the Premises by Tenant pursuant to the authority of this Agreement as may be required or made necessary for the progress of harbor development or the performance of any work or improvement within the jurisdiction of the Board. If the Executive Director determines that any such change or relocation is necessary, the Executive Director shall give at least ninety (90) days written notice to Tenant and the work of removal and relocation shall be completed within such time after said written notice as shall be fixed in said notice. The cost of any such removal and relocation shall be borne by Tenant. If Tenant neglects, fails or refuses within the time specified in said notice to begin or fails to prosecute diligently to completion the work of relocating the pipelines, the Harbor Department shall provide written notice to Tenant which shall specify such neglect, failure or refusal. Upon delivery of the notice specifying Tenant's neglect, failure or refusal, Tenant shall have such time as is reasonably necessary to cure such neglect, failure or refusal so long as Tenant commences the cure within a thirty (30) day period and thereafter diligently prosecutes such cure to completion. If Tenant fails to cure in a timely and diligent manner, City shall have the right to enter the Premises and relocate the utility. Tenant shall be solely responsible for City Costs

associated with the right set forth in this Subsection 107.3 and shall pay City, as Additional Rent, within thirty (30) days of receiving an invoice for payment from City.

**107.4 Rules Governing Utilities.** After installation, and in any event for the duration of this Agreement, Tenant shall comply with the Applicable Laws regarding utilities testing and inspection requirements.

## **Section 108. Maintenance and Repair.**

**108.1 Generally.** Except for those items identified on Exhibit "J" hereto (which Exhibit "J" may be amended by the Executive Director, in the Executive Director's sole reasonable discretion), and as set forth in Subsection 108.6 (City Maintenance Obligations) at all times, Tenant, at its sole cost and expense, shall keep and maintain the Premises, and all buildings, works and improvements of any kind thereon, including without limitation the paving, the improvements existing on the Premises as of the Effective Date, and City's and Tenant's Improvements as depicted on Exhibit "B," in good and substantial repair and condition, whether or not the need for such repairs occurs as a result of Tenant's use, any prior use, the elements, or the age of such portion of the Premises or improvements thereon, and shall be responsible for and perform all necessary inspection, maintenance and repair thereof, including preventive maintenance, using materials and workmanship of similar quality to the original improvements, or updated to current standards for such improvements. Tenant is responsible for compliance with all dust control and soil track-out mandated regulations. Tenant shall obtain any permits, including but not limited to those issued by City, necessary for such maintenance and repair. City shall reimburse Tenant for any repairs made necessary by use of the Premises by a temporary user pursuant to Subsection 102.6 (Temporary Assignments).

**108.2 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. Tenant shall reimburse City for City's Costs (as defined in Subsection 108.3, below, which costs shall be deemed Additional Rent) within thirty (30) days after receipt of City's invoice for work performed. In the event 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 Subsection 108.2 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.

**108.3 City's Costs.** "City's costs" for purposes of this Section 108 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.

**108.4 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, litter and graffiti at all times. Tenant shall perform periodic inspections and cleaning of the storm water catch basins (including filters), maintenance holes, and drains, and, to the extent applicable to this Agreement, 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 Uses. 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 Laws.

**108.5 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, 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.

**108.6 City Maintenance Obligations.** In addition to the improvements listed in Exhibit "J," City shall be responsible for the maintenance and repair of all roofs and fire safety systems on City Improvements. To the extent that the Harbor Department maintains any utilities utilized by Tenant, the Harbor Department shall assess a maintenance fee to cover the cost of such maintain which assessment shall be Additional Rent.

## **Section 109. Default and Termination.**

### **109.1 Tenant's Default.**

109.1.1 Event of Default. The occurrence of any of the following shall constitute a material breach and default by Tenant under this Agreement:

(a) Tenant's failure to pay when due any Rent required to be paid under this Agreement if the failure continues for three (3) business days after written notice of the failure from City to Tenant;

(b) Tenant's failure to comply with any term, provision or covenant of this Agreement other than paying Rent, and does not commence to cure such failure within thirty (30) days after delivery of written notice of the failure from City to Tenant or does not cure the failure within ninety (90) days after delivery of such notice. An extension may be granted by the Executive Director to cure such failure, as Tenant commences to cure within thirty (30) days of delivery of the notice and diligently proceeds to cure such default to completion.

(c) 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 Agreement; or (ii) if 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, notified the Executive Director in writing that such nonuse is temporary and obtains the written consent of the Executive Director to such nonuse;

(d) To the extent permitted by law:

(1) A general assignment by Tenant or any guarantor of the Agreement for the benefit of the creditors without written consent of City;

(2) 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;

(3) 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; and/or

(4) 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 Agreement, unless that seizure is discharged within thirty (30) days;

(e) The undertaking of a use other than a Permitted Use on the Premises if Tenant fails to discontinue such use within three (3) calendar days after delivery of written notice from City to Tenant demanding that Tenant cease and desist such unpermitted use.

109.1.2 City's Remedies on Tenant's Default. On the occurrence of a default by Tenant, City shall have the right to pursue any one or more of the following remedies in addition to any other remedies now or later available to City at law or in equity. These remedies are not exclusive but are instead cumulative. Any monetary sums that result from application of this Subsection 109.1.2 shall be deemed Additional Rent.

109.1.2.1 Termination of Agreement. City may terminate this Agreement and recover possession of the Premises. Once City has terminated this

Agreement, Tenant shall immediately surrender the Premises to City. On termination of this Agreement, pursuant to Civil Code Section 1951.2 or its successor, City may recover from Tenant all of the following:

(a) The worth at the time of the award of any unpaid Rent that had been earned at the time of the termination, to be computed by allowing interest at the rate set forth in Item 270 of the Tariff but in no case greater than the maximum amount of interest permitted by law;

(b) The worth at the time of the award of the amount by which the unpaid Rent that would have been earned between the time of the termination and the time of the award exceeds the amount of unpaid Rent that Tenant proves could reasonably have been avoided, to be computed by allowing interest at the rate set forth in Item 270 of the Tariff but in no case greater than the maximum amount of interest permitted by law;

(c) The worth at the time of the award of the amount by which the unpaid Rent for the balance of the term of the Agreement after the time of the award exceeds the amount of unpaid Rent that Tenant proves could reasonably have been avoided, to be computed by discounting that amount at the discount rate of the Federal Reserve Bank of San Francisco at the time of the award plus one percent (2%);

(d) Any other amount necessary to compensate City for all the detriment proximately caused by Tenant's failure to perform obligations under this Agreement, including, without limitation, restoration expenses, expenses of improving the Premises for a new tenant (whether for the same or a different use), brokerage commissions, and any special concessions made to obtain a new tenant;

(e) Any other amounts, in addition to or in lieu of those listed above, that may be permitted by Applicable Law; and

(f) To the extent that Tenant fails to surrender the Premises after Termination, Tenant agrees that the damages to City for such holdover shall be one hundred fifty percent (150%) of the Rent payable for the last month prior to the Termination of this Agreement or one hundred fifty percent (150%) of the fair market rental at the time of the Termination, whichever is greater.

109.1.2.2 Continuation of Agreement in Effect. City shall have the remedy described in Civil Code Section 1951.4, which provides that, when a tenant has the right to sublet or assign (subject only to reasonable limitations), the City may continue the Agreement in effect after the tenant's breach and abandonment

and recover Rent as it becomes due. Accordingly, if City does not elect to terminate this Agreement on account of any default by Tenant, City may enforce all of City's rights and remedies under this Agreement, including the right to recover all Rent as it becomes due.

109.1.23 Tenant's Subleases. Whether or not City elects to terminate this Agreement on account of any default by Tenant, City may:

(a) Terminate any sublease, license, concession, or other consensual arrangement for possession entered into by Tenant and affecting the Premises; or

(b) Choose to succeed to Tenant's interest in such an arrangement. If City elects to succeed to Tenant's interest in such an arrangement, Tenant shall, as of the date of notice by City of that election, have no further right to, or interest in, the Rent or other consideration receivable under that arrangement.

109.1.3 Form of Payment After Default. If Tenant fails to pay any amount due under this Agreement within ten (10) days after the due date or if Tenant draws a check on an account with insufficient funds, City shall have the right to require that any subsequent amounts paid by Tenant to City under this Agreement (to cure a default or otherwise) be paid in the form of cash, money order, cashier's or certified check drawn on an institution acceptable to City, or other form approved by City despite any prior practice of accepting payments in a different form.

109.1.4 Acceptance of Rent Without Waiving Rights. City may accept Tenant's payments without waiving any rights under this Agreement, including rights under a previously served notice of default. If City accepts payments after serving a notice of default, City may nevertheless commence and pursue an action to enforce rights and remedies under the previously served notice of default, including any rights City may have to recover possession of the property.

109.1.5 Cross Default. A material breach of the terms of any other permit, license, lease or other contract held by Tenant and City shall constitute a material breach of the terms of this Agreement and shall give City the right to terminate this Agreement for cause in accordance with the procedures set forth in this Section 109.

## **109.2 City's Defaults.**

109.2.1 Event of Default. City's failure to perform any of its obligations under this Agreement, if City fails to commence to cure the failure within sixty (60) days after delivery of written notice of the failure from Tenant to City, or if the failure continues for ninety (90) days after delivery of such notice, unless the failure is such that it cannot be

cured in ninety (90) days, in which case if City fails to diligently cure within a reasonable amount of time, shall constitute a default.

109.2.2 Tenant's Remedy on City Default. Tenant's sole remedy for a City default shall be to seek specific performance in a court of competent jurisdiction.

**109.3 Replacement of Statutory Notice Requirements.** When this Agreement requires service of a notice, that notice shall replace rather than supplement any equivalent or similar statutory notice, including any notices required by Code of Civil Procedure Section 1161 or any similar or successor statute. When a statute requires service of a notice in a particular manner, service of that notice (or a similar notice required by this Agreement) in the manner required by Section 6 (Notices) shall replace and satisfy the statutory service-of-notice procedures, including those required by Code of Civil Procedure Section 1162 or any similar or successor statute. Notwithstanding the foregoing, nothing herein contained shall preclude or render inoperative service of notice in the manner provided by law.

#### **Section 110. Force Majeure.**

Except as otherwise provided in this Agreement, whenever a day is established in this Agreement on which, or a period of time, including a reasonable period of time, is designated within which, either Party is required to do or complete any act, matter or thing, the time for the doing or completion thereof shall be extended by a period of time equal to the number of days on or during which such Party is prevented from, or is unreasonably interfered with, the doing or completion of such act, matter or thing because of acts of God, the public enemy or public riots; failures due to nonperformance or delay of performance by suppliers or contractors; any order, directive or other interference by municipal, state, federal or other governmental official or agency (other than City's failure or refusal to issue permits for the construction, use or occupancy of City's Improvements or the Premises); any catastrophe resulting from the elements, flood, fire, explosion; or any other cause reasonably beyond the control of a Party, but excluding strikes or other labor disputes, lockouts or work stoppages ("Force Majeure"); provided, however, that this Section 110 shall not apply to (1) the time for payment of Rent or any other monetary obligation, (2) the Completion Deadline, if any (3) the insurance provisions set forth in this Agreement, or (4) to extend the term of the Agreement beyond fifty (50) years. In the event of the happening of any of such contingencies events, the Party delayed by Force Majeure shall immediately give the other Party written notice of such contingency, specifying the cause for delay or failure, and such notice from the Party delayed shall be prima facie evidence that the delay resulting from the causes specified in the notice is excusable. The Party delayed by Force Majeure shall use reasonable diligence to remove the cause of delay, and if and when the event which delayed or prevented the performance of a Party shall cease or be removed, the Party delayed shall notify the other Party immediately, and the delayed Party shall recommence its performance of the terms, covenants and conditions of this Agreement.

## **Section 111. Indemnity and Insurance.**

### **111.1 Indemnity.**

111.1.1 Generally. 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 Agreement or otherwise;

(c) Any act, error, omission, willful misconduct or negligence of Tenant, its officers, agents, employees, sublessees, licensees or invitees, arising from the use, operation or occupancy of the Premises, 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 Agreement or any applicable federal, state, regional, or municipal law, ordinance, rule or regulation; or

(e) The conditions, operations, uses, occupations, acts, omissions or negligence referred to in subsections (a) through (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 City's Charter.

This Subsection 111.1.1 shall not be construed to make Tenant responsible for loss, damage, liability or expense to third-parties to the extent caused solely by the negligence or willful misconduct of City.

111.1.2 Term Contamination Losses. 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 Agreement term as a result of Term Contamination for which Tenant is otherwise responsible for under the terms of this Agreement. 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 Term Contamination present in the soil or groundwater on or under the Premises.

**111.1.3 Survival of Obligations.** The indemnity obligations in this Section 111 shall survive the expiration or earlier termination of this Agreement 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.

**111.2 Insurance.** In addition to, and not as a substitute for, or limitation of, any of the indemnity obligations imposed by this Agreement, Tenant shall procure and maintain at its expense and keep in force at all times during the term of this Agreement the types and amounts of insurance specified on Insurance Requirements, Exhibit "K," attached hereto and incorporated by reference herein. The specified insurance shall also, either by provisions in the policies, by City's endorsement form or by other endorsement attached to such policies, include and insure City, its Harbor Department, its Board and all of City's officers, employees, and agents, their successors and assigns, as additional insureds, against the areas of risk described in Exhibit "K" and below, with respect to Tenant's acts or omissions in its operation, use and occupancy of the Premises or other related functions performed by or on behalf of Tenant in, on or about the Harbor District. The types of insurance which are required must meet the following conditions during the term of this Agreement and any hold-over periods:

**111.2.1 Commercial General Liability.** Commercial general liability insurance, including contractual liability, auto 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 set forth in Exhibit "K" for each accident or occurrence. The coverage shall provide first dollar coverage except that the Executive Director may permit a self-insured retention or self-insurance in those cases where, in the Executive Director's judgment, such retention or self-insurance is justified by the net worth of Tenant. The retention or self-insurance provided shall provide that any other insurance maintained by the Department shall be excess of Tenant's insurance and shall not contribute to it. In all cases, regardless of any deductible or retention, said insurance shall contain a defense of suits provision and a severability of interest clause. Where Tenant operates watercraft, liability coverage for such craft must be provided as follows:

(1) Hull and machinery coverage for the value of each vessel which will call at the Premises during the term of this Agreement, if any; and

(2) Protection and indemnity coverage with combined single limits as set forth in Exhibit "K" per occurrence for bodily injury, illness, death, loss of or damage to the property of another, Jones Act risks or equivalent thereto internationally, and pollution liability to which it is agreed that the additional insured and cancellation notice provisions as required and described below must be included. Pollution liability shall include coverage for bodily injury, including death and mental anguish, property damage, defense costs and cleanup costs. Such coverage shall contain a defense of suits provision and a severability of interest clause.

The submitted policy shall, in addition, provide the following coverage either in the original policy or by endorsement substantially as follows:

"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 City, Board, their officers, agents and employees, are additional insureds hereunder, and that coverage is provided for all operations, uses, occupations, acts and activities of the insured under Permit No. 950, and under any amendments, modifications, extensions or renewals of said Permit regardless of whether such operations, uses, occupations, acts and activities occur on the Premises or elsewhere within the Harbor District.

"The policy to which this endorsement is attached shall provide a ten (10) days' prior written notice of cancellation for nonpayment of premium, and a thirty (30) days' prior written notice of cancellation for any other reasons to the Harbor Department's Risk Manager;

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

"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 company's limit of liability; and

"Notice of occurrences or claims under the policy shall be made to the Risk Manager of City's Harbor Department with copies to the City Attorney's Office."

111.2.2 Fire Legal Liability. In addition to and concurrently with the aforesaid insurance coverage, Tenant shall also secure and maintain, either by an endorsement thereto or by a separate policy, fire legal liability insurance in the amounts set forth in Exhibit "K", 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 the Executive Director to conform with the deductible amount of the fire insurance policy maintained by the Board, with waiver of subrogation in favor of Tenant so long as permitted by the Board's fire insurance policy, upon thirty (30) days' prior written notice thereof to Tenant at any time during the term of this Agreement.

111.2.3 All Risk Insurance. Fire and extended coverage insurance covering a percentage of the replacement value, as set forth in Exhibit "K," 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 the amount stated in Exhibit "K" 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 buildings or improvements, Tenant shall undertake replacement or reconditioning of such items within ninety (90) days following any such loss. In the event Tenant shall undertake such replacement or reconditioning within said period of ninety (90) days, such proceeds shall be released by Board to Tenant as payments are required for said purpose. Upon the completion of such replacement or reconditioning to the satisfaction of the Executive Director, any balance thereof remaining shall be paid to said Tenant forthwith. In the event Tenant fails to undertake such replacement or reconditioning within said period of ninety (90) days, such proceeds shall be retained by City.

111.2.4 Environmental Impairment Liability Insurance. Should Tenant's operations involve the storage or use of any type of hazardous materials or pollutants, the Tenant shall be required to 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, with a limit of at least the amount set forth in Exhibit "K" per occurrence, which is to remain in effect at least five (5) years after the termination of the Agreement.

111.2.5 Workers' Compensation. Tenant shall secure the payment of compensation to employees injured while performing work or labor necessary for and incidental to performance under this Agreement in accordance with Section 3700 of the Labor Code of the State of California. Tenant shall file with the City one of the following: 1) a certificate of consent to self-insure issued by the Director of Industrial Relations, State of California; 2) a certificate of Workers' Compensation insurance issued by an admitted carrier; or 3) an exact copy or duplicate thereof of the policy certified by the Director or the insurer. Such documents shall be filed prior to delivery of Premises. Where Tenant has employees who are covered by the United States Longshore and Harbor Workers'

Compensation Act, Tenant shall furnish proof of such coverage to the City. It is suggested that Tenant consult an insurance professional of its choosing to determine whether its proposed operation methods will render its employees subject to coverage under such 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.

111.2.6 Insurance Features. Such insurance procured by Tenant shall include the following features:

111.2.6.1 Notice of Cancellation. Each insurance policy described above shall provide that it shall not be cancelled or reduced in coverage until after the Risk Manager has been given a ten (10) days' written notice of cancellation for nonpayment of premium and a thirty (30) days' written notice of cancellation for any other reason.

111.2.6.2 Acceptable Evidence and Approval of Insurance. Electronic submission is the required method of submitting Tenant's insurance documents. KwikComply is the City's online insurance compliance system and is designed to make the experience of submitting and retrieving insurance information quick and easy. The system is designed to be used primarily by insurance brokers and agents as they submit client insurance certificates directly to the City. It uses the standard insurance industry form known as the ACORD 25 Certificate of Liability Insurance in electronic format. The advantages of KwikComply include standardized, universally accepted forms, paperless approval transactions (24 hours, 7 days per week), and security checks and balances. 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.

111.2.6.3 Renewal of Policies. 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, the City's Harbor Department may, at its option and at the expense of Tenant, may obtain such insurance for Tenant.

111.2.6.4 Certified Copies of Policies. 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 Expiration

Date regardless of whether Tenant receives such policies prior to or after the Expiration 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.

111.2.6.5 Modification of Coverage. The Executive Director, or designee, at the Executive Director's discretion, may require that Tenant increase or decrease amounts and types of insurance coverage required hereunder at any time during the term hereof by giving ninety (90) days' prior written notice to Tenant. The modification of coverage shall occur no less than every five (5) years of the term to insure that the coverage amounts are consistent with industry standards at the time of the modification for the Permitted Uses of the Premises.

111.2.6.6 Accident Reports. Tenant shall report in writing to Executive Director within fifteen (15) days after it, its officers or managing agents have knowledge of any accident or occurrence involving death of or injury to any person or persons, or damage in excess of Fifty Thousand Dollars (\$50,000) 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 while undertaking the Permitted Uses. 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 information as may be known to Tenant, its officers or managing agents.

111.2.7 Right to Self-Insure. Upon written approval by the Executive Director, Tenant may self-insure if the following conditions are met:

(a) Tenant has a formal self-insurance program in place prior to execution of this Agreement. If a corporation, Tenant must have a formal resolution of its board of directors authorizing self-insurance;

(b) Tenant agrees to protect the City, its boards, officers, agents and employees at the same level as would be provided by full insurance with respect to types of coverage and minimum limits of liability required by this Agreement;

(c) Tenant agrees to defend the City, its boards, officers, agents and employees in any lawsuit that would otherwise be defended by an insurance carrier;

(d) Tenant agrees that any insurance carried by Department is excess of Tenant's self-insurance and will not contribute to it;

(e) Tenant provides the name and address of its claims administrator;

(f) Tenant submits its most recently filed 10-Q and its 10-K or audited annual financial statements for the three most recent fiscal years prior to the Executive Director's consideration of approval of self-insurance and annually thereafter;

(g) Tenant agrees to inform Department in writing immediately of any change in its status or policy which would materially affect the protection afforded Department by this self-insurance; and

(h) Tenant has complied with all laws pertaining to self-insurance.

**111.3 Increased Insurance Risks.** Following the Effective Date, should an event occurring in or about the Premises cause either cancellation or increased rates with respect to any insurance that City may have on the Premises or on adjacent premises, or cause either cancellation or increased rates with respect to any other insurance coverage for the Premises or adjacent premises, upon receipt of written notice from City that cancellation of insurance or increased insurance rates is threatened or has occurred, Tenant immediately shall take appropriate steps to ensure that City is not adversely affected. In City's sole reasonable discretion, such steps may include Tenant: correcting the condition; providing any necessary insurance; paying the increased cost of City's insurance; and/or indemnifying City against any uninsured or underinsured loss on a claim.

## **Section 112. Damage and Destruction to Improvements.**

**112.1 Notice; No Rent Abatement.** Tenant shall promptly give City Notice of any material damage or destruction of any or all of the improvements on the Premises ("Casualty") generally describing the nature and extent thereof. There shall be no abatement or reduction of Rent on account of any Minor Casualty and all obligations of Tenant under this Agreement shall remain unchanged and in full force and effect. In the case of a Major Casualty, provided that the Major Casualty was not caused by the act or omission of Tenant or any of its employees, agents, licensees, subtenants, customers, clients or invitees, until the repair and restoration of the Premises is completed, Tenant shall be required to pay rent only for that part of the Premises that Tenant is able to use while repairs are being made, based on the ratio that the amount of usable rentable area bears to the total rental area in the Premises.

**112.2 Minor Casualty.** In the event of any Minor Casualty at any time during the Term, and regardless of whether such Minor Casualty is insured or uninsured, Tenant shall be obligated to repair, rebuild or restore the damaged improvements.

**112.3 Casualty Covered by Insurance.** If, during the Term of this Agreement, any buildings, structures, or improvements on the Premises are partially or totally destroyed from a risk covered by the insurance required under this Agreement, thereby rendering the Premises

partially or totally inaccessible or unusable, Tenant must restore the Premises to substantially the same condition as they were immediately before destruction.

**112.4 Casualty Not Covered by Insurance.** If, during the Term of this Agreement, improvements on the Premises are partially or totally destroyed from a risk not covered by the fire and extended coverage insurance required under this Agreement thereby rendering said Premises partially or totally inaccessible or unusable, such destruction shall not automatically terminate this Agreement. If, however, the cost of restoration exceeds ten percent (10%) of the full replacement value of improvements, as said value existed immediately before said destruction, Tenant may, at Tenant's option, terminate this Agreement by giving written notice to City within sixty (60) days from the date of destruction. If Tenant elects to terminate as above provided, Tenant shall be obligated, unless otherwise directed by City, to demolish all damaged improvements and remove all debris from the Premises, and otherwise comply with the restoration and surrender obligations contained in Section 117 (Restoration and Surrender of Premises), at Tenant's sole cost. If Tenant fails to exercise its right to terminate this Agreement, this Agreement shall continue in full force and effect for the remainder of the term specified herein and Tenant shall restore the Premises to substantially the same condition as they were in immediately before the damage or destruction.

**112.5 Inapplicability of Civil Code Sections.** The provisions of California Civil Code Sections 1932(2) and 1933(4), and any successor statutes, are inapplicable with respect to any destruction of any part of the Premises; such sections provide that a lease terminates on the destruction of the Premises unless otherwise agreed between the Parties to the contrary.

**112.6 Damage to Wharf.** Notwithstanding the foregoing, whether or not there is insurance to cover such Casualty, Tenant shall be responsible, at its sole cost and expense, for all costs, direct or indirect, associated with repairing any damage to the wharf structure on the Premises, including, but not limited to, damage resulting from a collision between a vessel and the wharf while docking or undocking, unless such damage is due to the sole active negligence of City or of a third-party on the Premises pursuant to Subsection 102.6 (Temporary Assignment), or by a secondary assignee to which the Premises are assigned. The Harbor Department shall have the option of either making the repairs or requiring Tenant to make the repairs. If the Harbor Department makes the repairs, Tenant agrees to reimburse the Harbor Department for the City's costs incurred in making the repairs. All damage shall be presumed to be the responsibility of Tenant and Tenant agrees to be responsible for such damage, unless Tenant can demonstrate to the satisfaction of the Executive Director that someone other than Tenant, its officers, agents, employees, customers, contractors, subtenants, licensees or other invitees caused the damage. The sufficiency of proof presented by Tenant to the Harbor Department shall be determined by the Executive Director in the Executive Director's sole judgment.

## **Section 113. Assignments, Transfers and Subleases.**

### **113.1 Assignment, Transfer and Subletting; City's Consent Required.**

113.1.1 Generally. Tenant shall not, in any manner, transfer or assign this Agreement, or any portion thereof or any interest therein, ("Assignment") voluntarily or involuntarily without the prior written consent of the Board, nor sublet or sublease the whole or any part of the Premises, nor license or permit the use of the same, in whole or in part, without the prior written consent of the Executive Director (collectively referred to as a "Transfer").

113.1.2 Consent Required; Payment of City's Costs. No Transfer of this Agreement, 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 Agreement, shall be valid or effective for any purpose unless (i) Tenant receives the prior written consent of City and (ii) Tenant satisfies the requirements in Subsection 113.3 (Procedure to Obtain Consent to Transfer). Consent to one Transfer shall not be deemed to be a consent to any subsequent Transfer. For purposes of this Subsection 113.1.2, 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 (except as provided in Subsection 113.2.2 (Partnerships)).

Tenant acknowledges and agrees that it shall be required to pay the City for all City Costs incurred to review all documents submitted in response to a request to Transfer.

113.1.3 Transfer of Assets. "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 there is a formal assignment or hypothecation of this Agreement 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 Agreement, or at the time of the most recent Transfer to which City has consented, or as it exists immediately prior to said transaction or transactions constituting such reduction, whichever was or is greater.

## **113.2 Transfers of Ownership.**

113.2.1 Ownership or Control. The transfer of more than twenty-five percent (25%) of the economic interest in Tenant or any entity that directly or indirectly controls or owns fifty percent (50%) or more of Tenant in one or more transactions, regardless of whether Tenant is a publicly or privately held entity, shall constitute a Transfer within the meaning of this Section 113.

113.2.2 Partnerships. If Tenant is a partnership, any transfer or attempted transfer by any general partner of Tenant of more than twenty-five percent (25%) of its partnership interest in Tenant in one or more transactions shall be a prohibited Transfer within the meaning of this Section 113. Notwithstanding the foregoing, if any transfer of a general partner's interest is due to the death of a general partner and results in the transfer to the immediate members of the general partner's family, who will be immediately and personally involved in the operation of the partnership, the City shall not unreasonably withhold its consent to such transfer.

113.2.3 Guarantor. If a parent or other entity has guaranteed or otherwise secured any or all of Tenant's obligations under this Agreement and if the ownership, makeup or financial condition of such parent or other entity has, in the sole reasonable discretion of the Executive Director, materially changed at any point during the term of this Agreement, the right is reserved for City to require amendments of such guaranty, the provision of new security, or a combination thereof reasonably required by the Executive Director to maintain the level of security as provided by the original guaranty. Following the Effective Date, Tenant shall have a continuing obligation to notify City in writing of any and all events that do or might constitute a material change within the meaning of this Subsection 113.2.3.

113.2.4 Executive Director Authority to Modify. The Executive Director shall have the authority, but not the obligation, to unilaterally modify the foregoing conditions based on the facts of a particular case.

**113.3 Procedure to Obtain Consent to Transfer.** If Tenant desires to undertake a Transfer, it may seek City's consent thereto. Tenant covenants that before entering into or permitting any Transfer, it shall provide to City written notice at least ninety (90) days before the proposed effective date of the Transfer. Notwithstanding the foregoing, City reserves the right to allow Tenant, on a case-by-case basis, to submit to City for City's consent, Transfers that would have become effective but for Tenant's failure to seek City's prior written consent. In any event, Tenant's written request to City for consent shall hereinafter be referred to as "Transfer Notice."

113.3.1 Transfer Notice. Tenant's Transfer Notice shall contain each of the following:

(a) Specific identification of the entity or entities with whom Tenant proposes to undertake the Transfer ("Transferee");

(b) Specific and detailed description of the Transferee's entity type, ownership (including identification of all parent and subsidiary entities), background/history, nature of the Transferee's business, Transferee's character and reputation and experience in the operations proposed;

(c) Specific and detailed description of the type of Transfer proposed (e.g., assignment, sublease, grant of control, etc.) and the rights proposed to be transferred;

(d) Specific and detailed description of the operations proposed to be undertaken at the Premises by Tenant and Transferee if City consents to the Transfer which includes a breakdown of the responsibilities and duties of Tenant and Transferee;

(e) All of the terms of the proposed Transfer, including the total consideration payable by Transferee; the specific consideration (if any) payable by Transferee in connection with the Premises and/or uses under this Agreement if the proposed Transfer is part of an acquisition or purchase that involves assets outside this Agreement; the proposed use of the Premises; the effective date of the proposed Transfer; and a copy of all documentation concerning the proposed Transfer;

(f) The proposed form of a guaranty or guaranties providing greater or substantially the same protection to City as any guaranty in effect prior to or contemporaneous with the proposed Transfer;

(g) A business plan for the Transferee including specific estimates of revenue anticipated under each of the following categories: existing contracts, contracts under negotiation and other specified sources;

(h) A general description of any planned Alterations or improvements to the Premises;

(i) A description of the worth of the proposed Transferee including an audited financial statement;

(j) Any further information relevant to the proposed Transfer that City reasonably requests; and

(k) Written authorization in a form acceptable to City allowing City to inspect and review but not to copy, at times and locations reasonably selected by City, any books and records or other information of Tenant or Transferee (or third-parties acting for or on either of their behalves) reasonably determined by City to be necessary for its assessment of Tenant's request for consent.

113.3.2 Limitations on City's Consent. If City consents to a Transfer, the following limits apply:

(a) City does not agree to waive or modify the terms and conditions of this Agreement;

(b) Such consent does not constitute either consent to any further or other Transfer by either Tenant or Transferee or a bar disqualifying submittal of additional Transfer Notices in accordance with the terms of this Agreement following such consent;

(c) If, following such consent, Tenant remains a party to this Agreement, Tenant shall remain liable under this Agreement and any guarantor shall remain liable under its guaranty;

(d) Such consent shall not transfer to the Transferee any option granted to the original Tenant by this Agreement unless such transfer is specifically consented to by City in writing;

(e) Tenant may enter into that Transfer in accordance with this Section 113 if: (a) the Transfer occurs within six (6) months after City's consent; (b) the Transfer, in the sole and absolute discretion of the Executive Director, is on substantially the same terms as specified in the Transfer Notice; and (c) Tenant delivers to City promptly after execution an original executed copy of all documentation pertaining to the Transfer in a form reasonably acceptable to City;

(f) If the Transfer occurs more than six (6) months after City's consent or, in the sole and absolute discretion of the Executive Director, the terms of the Transfer materially change from those in the Transfer Notice, Tenant shall submit a new Transfer Notice under this Section 113, requesting City's consent. A material change for purposes of this Section 113 is one where the terms would have entitled City to refuse to consent to the Transfer initially, or would cause, in the sole and absolute discretion of the Executive Director, the proposed Transfer to be more favorable to Transferee than the terms in the original Transfer Notice;

(g) Tenant and/or Transferee, upon City's written request, shall provide proof, in a form satisfactory in the sole reasonable discretion of the Risk Manager

of City's Harbor Department, demonstrating that insurance of the type and limits required by Subsection 111.2 (Insurance) is and shall be in full effect at all times in or around the time period in which the proposed Transfer is anticipated to occur. If requested in writing by City, Transferee shall provide a guaranty agreement in a form acceptable to City obligating Transferee to pay any uninsured or underinsured loss on a claim that, in City's sole and absolute discretion, would have been covered by insurance fully compliant with Subsection 111.2; and

(h) Transferee shall execute and deliver a written acceptance of Transfer in a form acceptable to City in which Transferee expressly assumes all of Tenant's obligations under the Agreement.

**113.4 Factors Germane to City Consent.** In evaluating any Transfer Notice, it shall not be unreasonable for City to withhold or condition its consent to a Transfer based on the following factors, among others:

(a) The net worth, financial condition and creditworthiness of the Transferee and the existence of any guaranty provided by the Transferee's parent or related entity or entities;

(b) The character, experience and reputation of the Transferee (or its operator) in operating the business contemplated by the Transfer;

(c) Whether the Transfer will negatively impact the short-term or long-term development, land use or other plans of City's Harbor Department, and whether consent to such Transfer would violate any of the legal duties of City's Harbor Department, including duties owed to other tenants;

(d) Whether the proposed Transfer is consistent with the terms and conditions of this Agreement in existence when Tenant submitted the Transfer Notice and with the laws, rules and regulations applicable to the Premises and Tenant's use and occupancy thereof;

(e) Whether the information provided by Tenant in connection with Subsection 113.3.1 (Transfer Notice) justifies such consent;

(f) The Transferee's level of commitment and specific plans to invest to improve the Premises following approval of the proposed Transfer, if any;

(g) Whether there are uncured defaults including, without limitation, unpaid Rent and, if there are, whether the proposed transferee agrees to cure, remedy or otherwise correct any default by Tenant existing at the time of the Transfer, in a manner satisfactory to the Board; and

(h) Whether the Transferee, its operator or any Affiliate of the Transferee or its operator is listed on any of the following lists maintained by the Officer of Foreign Assets Control of the U.S. Department of the Treasury, the Bureau of the Industry and Security of the U.S. Department of Commerce or their successors, or on any other list of Persons with which the City may not do business under Applicable Law: the Specially Designated Nationals List, the Denied Persons List, the Unverified List, the Entity List, and the Debarred List.

**113.5 Additional Conditions for Subleases.** If Tenant requests consent to a Transfer consisting of a sublease of all or a portion of the Premises, the following terms and conditions shall also apply:

(a) Notwithstanding Subsection 113.3 (Procedure to Obtain Consent to Transfer), Tenant may request consent for a sublease with less than ninety (90) days' notice.

(b) City reserves the right to recapture any portion of the Premises proposed by Tenant to be subleased (with appropriate amendments to this Agreement) and to undertake the transaction with the proposed Transferee directly;

(c) Tenant in no event shall be allowed to sublet more than twenty percent (20%) of the Premises to any one sublessee unless this Agreement expressly provides otherwise;

(d) Tenant shall owe to City as Additional Rent, fifty percent (50%) of any amount collected from the sublessee as compensation that exceeds, on a pro rata basis, based on the preceding year's Rent, the compensation due City from Tenant under Section 4 (Rent);

(e) Tenant must provide City with a copy of the Sublease Agreement; and a copy of any notice of default or breach of the sublease; and

(f) No sublessee shall further Transfer or sublet all or any part of the Premises without City's prior written consent.

**113.6 Assignments for Security Purposes.** Tenant's request to assign this Agreement to secure financing of improvements on the Premises will require Board approval and will be considered on a case-by-case basis. Consent to Assignments for security purposes will not be granted unless Tenant and its lenders satisfy the following conditions, among others, which may be reasonably imposed by the Board:

(a) Monies borrowed will be used exclusively to construct improvements or alterations on the Premises.

(b) Monies borrowed must be in a fixed amount. New borrowings or refinancing require further Board approval.

(c) The collateral covered by the security agreement securing Tenant's loan shall cover only Tenant's leasehold interests and interest in improvements on the Premises, not the interests of City in improvements or land, and not any improvements or fixtures which, if removed, would leave the Premises untenable. In this Subsection 113.6, "untenable" means, the removal of improvements or fixtures which, in the City's sole and absolute discretion, would leave the Premises in a condition that prevents City from renting the Premises.

(d) Nothing in the instrument which creates the security interest in the lender shall amend, modify, or otherwise affect the rights of City under this Agreement or any guaranty.

(e) In the event the lender initiates any action to foreclose the interest of Tenant in this Agreement, the lender agrees to deliver to the Board in person or by registered mail a copy of any notice of default sent to Tenant and agrees, ten (10) calendar days in advance of any foreclosure sale, to give written notice to Board by registered mail. Such notices shall be addressed as follows:

Board of Harbor Commissioners  
c/o Director of Real Estate Division  
P.O. Box 151  
San Pedro, CA 90733-0151

Such notice shall specify which of the below alternative courses of action the lender will take with respect to the Agreement and any guaranty. Any and all of the below stated alternatives are contingent upon the Board's approval in accordance with the conditions in subsection (f) below. Lender may:

(1) Assume as principal all of the obligations and duties arising on or after the foreclosure conveyance date under the Agreement; or

(2) Assume as principal all of the obligations and duties arising on or after the foreclosure conveyance date under the Agreement, and hire an operator, acceptable to the Executive Director, who shall operate the Premises pursuant to the Agreement; or

(3) Assume as principal all of the obligations and duties arising on or after the foreclosure conveyance date, and thereafter reassign the Agreement with the consent of Board. Notwithstanding any provision of this Agreement to the contrary, in the event the lender initiates any action to foreclose the interest of any subsequent assignee of the Agreement, the lender agrees to make the notifications and elections required herein.

The foregoing election by the lender shall be without prejudice to any rights the City may have with respect to Tenant's default of this Agreement; provided, however, that the City shall mail to both Tenant and lender a copy of any written notice of default in the performance of the terms and conditions of the Agreement, by registered mail, return receipt requested, addressed as follows:

(Name and Address of Tenant and lender is to be specified by Tenant. If no lender is specified, notice to Tenant alone is agreed to be sufficient.)

The lender shall have the option to cure such default within the time specified in such notice, provided that if such default is noncurable in nature, City shall have the right to immediately reclaim the Premises and lender shall have no further interest.

(f) Any lender proposal to Transfer its interest in this Agreement or interest therein or right or privilege thereunder requires the Board's consent. The Board may withhold its consent in its reasonable discretion if the Board determines that the proposed transferee cannot meet all of the following conditions, and any other conditions which may be reasonably imposed by the Board:

(1) This Agreement shall be in full force and effect and no default shall exist or the lender shall agree in writing to cure all such defaults before the transfer.

(2) When requesting the Board's consent to such a Transfer, the lender shall demonstrate that: (a) the financial condition of the proposed transferee is as sound as that of Tenant at the time this Agreement was initially entered into or as at the time of the proposed transfer - whichever provides the better financial security to the City; (b) the proposed transferee has the requisite experience and reputation or has retained an operator with the requisite experience and reputation to operate the Premises; and (c) the proposed Transfer will not unfavorably affect the revenues of the City, employment or the services available to the maritime community; and the proposed transferee, its operator or any Affiliate of the proposed transferee or its operator is listed on any of the following lists maintained by the Officer of Foreign Assets Control of the U.S. Department of the Treasury, the Bureau of the Industry and Security of the U.S. Department of Commerce or their successors, or on any other list of Persons with which the City may not do business under Applicable Law: the Specially Designated Nationals List, the Denied Persons List, the Unverified List, the Entity List, and the Debarred List.

(3) Even if the Board consents to such a proposed Transfer, the Board may first require that the transferee and the Board agree on a new compensation

for the Premises transferred. If the Board modifies the compensation, it shall take into account the then existing Board policy for setting compensation and the prevailing market conditions.

(g) The form of all instruments and documents affecting the City's interests in the Premises shall be acceptable to Executive Director and City Attorney of City in their sole and absolute discretion.

(h) The Board shall have the authority, but not the obligation, to modify any of the foregoing conditions based on the facts of a particular case.

**113.7 Assignment Fee.** In the case of Assignments other than Assignments for Security Purposes permitted under Subsection 113.6, above, in recognition of the value added to the Assignment by virtue of the location of the Premises, Tenant shall pay to City a fee ("Assignment Fee") based on the following formula:

(a) Less than Ten (10) Years Left on Term: Tenant shall pay to City an Assignment Fee equal to ten percent (10%) of the economic value attributable to the assignor's leasehold interest derived from, or as a result of the use of the Premises; or

(b) Greater than Ten (10) Years or More Left on Term: Tenant shall pay to City an Assignment Fee equal to fifteen percent (15%) of the economic value attributable to the assignor's leasehold interest derived from, or as a result of the use of the Premises.

**113.8 Charter and Administrative Code.** Tenant acknowledges that this Agreement is subject to the Charter of City and the Administrative Code of City and that approval of a Transfer may require action by several separate entities, including but not limited to the Los Angeles City Council.

**113.9 Tenant Remedies.** If City wrongfully denies or conditions its consent, Tenant may seek only declaratory and/or injunctive relief. Tenant specifically waives any damage claims against City in connection with the withholding or conditioning of consent.

**113.10 Indemnity in Favor of City; Tenant's Rights.** In addition to and not as a substitute for the indemnities Tenant provides to City pursuant to Subsection 111.1 (Indemnity), Tenant shall indemnify, defend and hold harmless City and any and all of its boards, officers, agents, or employees from and against any and all claims and/or causes of action of any third-party (including but not limited to Transferee) arising out of or related to a proposed Transfer except for claims arising from the sole negligence or willful misconduct of City in withholding its consent in which case Tenant's sole remedy shall be entitled only to seek specific performance.

**113.11 Rent or Performance.** City, in its sole discretion, may accept Rent or performance of Tenant's obligations under this Agreement from any person other than Tenant pending

approval or disapproval of a Transfer. City's exercise of discretion to accept Rent or performance shall be reflected in writing.

**113.12 Written Certification.** If requested in writing by the Executive Director, Tenant shall, within ten (10) days of its receipt of such written request, certify under penalty of perjury under California Law whether it has or has not undertaken a purported Transfer.

#### **Section 114. Records, Reports and City's Right of Inspection.**

**114.1 Operations.** Tenant shall keep full and accurate books, records and accounts relating to its operations on the Premises. City shall have the right, through its representatives, at all reasonable times and on reasonable notice, to inspect such books, records and accounts in order to verify the accuracy of the sums due, owing and paid to City hereunder. Tenant agrees that such books, records and accounts shall be made available to City at Tenant's offices in the City of Los Angeles. City shall protect, to the extent permitted by law, the confidentiality of any such books, records and/or accounts so inspected.

**114.2 City Right of Inspection.** City's authorized representatives shall have access to the Premises (a) with 24-hour notice at any and all reasonable times to determine whether or not Tenant is complying with the terms and conditions of this Agreement, and (b) at any and all times, with or without notice, for fire, and police/ or homeland security purposes, to investigate any incidents involving personal injury or property damage, or for any other purpose incidental to the rights and/or duties of City. The right of inspection hereby reserved to City shall impose no obligation on City to make inspections to ascertain the condition of the Premises, and shall impose no liability upon City for failure to make such inspection. Tenant shall provide personnel to accompany City's representatives on periodic inspections of the Premises to determine Tenant's compliance with this Agreement.

**114.3 ACTA.** (Only applicable if Permitted Uses includes a rail related use) Tenant shall provide to City, the Alameda Transportation Corridor Authority ("ACTA"), or their agents, any information reasonably required to compile accurate statistical information related to the Alameda Corridor, and to enable ACTA to generate timely and accurate invoices for Alameda Corridor use fees and container charges payable by users of the Alameda Corridor. Tenant shall use its best efforts to provide such non-confidential and non-privileged information in the format requested.

**114.4 Report of Accidents, Casualties or Crimes.** Tenant shall give the Executive Director notice in case of accidents, crimes, fires or other adverse incidents in the Premise promptly after Tenant is aware of any such event.

## **Section 115. Condemnation.**

**115.1 Generally.** The Parties agree that if during the Term there is any taking of all or any part of the Premises by Condemnation, the rights and obligations of the Parties shall be determined pursuant to this Section 115.

**115.2 Total Taking.** Tenant may elect to treat as a Partial Taking any Taking that would otherwise qualify as a Total Taking. If a Total Taking of the Premises shall occur, and Tenant does not elect by written notice to City, within sixty (60) days thereafter, to treat the same as a Partial Taking, then this Agreement shall terminate as of the effective date of such Total Taking, and the Rent shall be apportioned accordingly. The proceeds of the Total Taking shall be allocated between City and Tenant in accordance with their respective interests.

### **115.3 Partial Taking.**

**115.3.1 Effect on Agreement; Award.** If a Partial Taking shall occur, then any award or awards shall be applied first to repair, rebuilding or restoration of any remaining part of the Improvements not so taken. Tenant shall perform such repair, rebuilding or restoration in accordance with the applicable requirements of this Agreement. The balance of any such award or awards remaining after the repair, rebuilding or restoration shall be distributed to City and Tenant as if they were proceeds of a Total Taking affecting only a portion of the Premises taken. If the Partial Taking impacts the usable area of the Premises, the City shall abate or reduce the Rent payable hereunder as a result of such Partial Taking. No other sums payable under the Agreement shall be abated or reduced as a result of any Partial Taking.

**115.3.2 Improvements.** Should Tenant terminate this Agreement pursuant to this Section 115, title to all improvements, additions, alterations constructed or installed by Tenant upon the Premises and which have not already vested in City shall thereupon vest in City.

**115.3.3 Waiver of CCP § 1265.130.** Each Party waives the provisions of the California Code of Civil Procedure Section 1265.130 allowing either Party to petition the superior court to terminate this Agreement in the event of a partial taking of the Premises.

**115.4 Temporary Taking.** If a Temporary Taking shall occur with respect to use or occupancy of the Premises for a period greater than 120 days, then Tenant shall, at its option, be entitled to terminate this Agreement effective as of the commencement date of the Temporary Taking. If the Temporary Taking relates to a period of 120 days or less, or if Tenant does not elect within sixty (60) days after the 120th day of the Temporary Taking, to terminate this Agreement, then all proceeds of such Temporary Taking (to the extent attributable to periods within the Term) shall be paid to Tenant, and Tenant's obligations under this Agreement shall not be affected in any way.

**115.5 Severance Damages.** The entire award of compensation paid for any severance damages, whether paid for impairment of access, for land, buildings, and/or improvements shall be the property of City, regardless of whether any buildings or improvements so damaged are owned or were constructed by City or Tenant. However, should City determine that improvements are to be restored, that portion of the severance damages necessary to pay the cost of restoration shall be paid to Tenant accompanied by evidence that the sum requested has been paid for said restoration and is a proper item of such cost and used for such purpose.

**115.6 Other Condemnation.** In the event of any condemnation action not resulting in a Taking but creating a right to compensation, this Agreement shall continue in full force and effect without reduction or abatement of Rent, and the award or payment made in connection with such action shall be allocated between City and Lessee in accordance with their respective interests.

**115.7 Settlement or Compromise.** Neither City, in its Proprietary Capacity under this Agreement, nor Tenant shall settle or compromise any Taking award affecting the interests of the other Party without the consent by such other Party, such consent not to be unreasonably withheld. Each of City and Tenant shall be entitled to appear in all Taking proceedings affecting its respective interest, to participate in any settlement, arbitration or other proceeding involving such a Taking and to claim its Taking award under this Agreement.

**115.8 Prompt Notice.** If either Party becomes aware of any Taking or threatened or contemplated Taking, then such Party shall promptly give Notice thereof to the other Party.

**115.9 Control of Funds after Partial Taking.** In the event of a Partial Taking where Tenant is required to, or chooses to, repair, rebuild or restore the damaged improvements, the following provisions regarding control of funds shall apply:

115.9.1 Proceeds Less Than \$1,000,000. All proceeds from any Partial Taking less than \$1,000,000 shall be distributed to Tenant and shall be applied by Tenant in accordance with Subsection 115.3 (Partial Taking).

115.9.2 Proceeds Greater Than \$1,000,000.

115.9.2.1 When Fund Control Mechanism in Leasehold Mortgage Governs. If any Leasehold Mortgage permitted by City and entered into by Tenant contains a fund control mechanism providing that all proceeds from any Partial Taking in excess of \$1,000,000 shall be deposited with such Leasehold Mortgagee or a third party depository specified in such Leasehold Mortgage to be disbursed to repair, rebuild or restore the Premises, the mechanics for fund control set forth in such Leasehold Mortgage shall have priority over the corresponding mechanics for fund control set forth in Subsection 115.9.2.2, below.

115.9.2.2 When Fund Control Mechanism in This Agreement Governs. Subject to Subsection 115.9.2.1, above, if proceeds from any Partial Taking total in excess of \$1,000,000, then upon request of City all such proceeds shall be deposited with the City to be disbursed to repair, rebuild or restore the Premises in accordance with the procedures set forth in Section 102 (Damage or Destruction to Improvements), and the balance, if any, of such proceeds shall be allocated between City and Tenant in accordance with their respective interests.

**115.10 Waiver.** The provisions of this Agreement governing Takings are intended to supersede the application of Chapter 10, Article 2 of the California Code of Civil Procedure and all similar Laws, to the extent inconsistent with this Agreement. Nothing in this Section 115 shall be construed to limit City's powers with respect to Takings in its Governmental Capacity.

## **Section 116. Marks.**

**116.1 City-Associated Name or Mark.** A "City-Associated" name or mark, as used in this Agreement, shall mean any name or Mark that (i) contains, in whole or partly, name(s) and/or mark(s) (including service marks, trademarks, names, titles, descriptions, slogans, insignias, emblems or logos) of the City of Los Angeles or any department, agency or commission thereof; and (ii) imparts the color of authority of the City of Los Angeles; and/or (3) otherwise imparts association with or endorsement by the City of Los Angeles on any goods or services offered by Lessee under such name or mark.

**116.2 City Approval of Lessee Name or Mark.** City shall have the right of approval of names and marks coined or created by Tenant for use on the Premises to ensure that use of the Premises leased herein under is consistent with that of a public venue leased by a governmental entity. City shall not approve names or marks that impart notions or contain elements that put the City in a false light or that are racist, sexist, derogatory to any legally protected groups/class or unfitting for public facilities.

**116.3 No Assignment or Transfer of City's Intellectual Property.** Nothing in this Agreement shall be construed to transfer or assign to any party, signatory herein or not, any of the intellectual property rights of the City, including but not limited to trademark rights. Rights not expressly granted by City herein are reserved. Other than as approved by City, Tenant has no right to use any of the City-Associated Marks.

## **Section 117. Restoration and Surrender of Premises.**

### **117.1 Tenant's Restoration Obligations.**

117.1.1 Generally. By the Expiration Date, or any sooner termination of this Agreement, Tenant shall quit and surrender possession of the Premises and shall be obligated to, as directed by the Executive Director, in the Executive Director's sole and absolute discretion, either (i) return the Premises to City in good and usable condition,

said condition to be consistent with a first class facility of similar age as repaired, maintained or upgraded by Tenant, or any Assignor, or Affiliate of Tenant under this Agreement or any prior permit, or by City, or (ii) demolish all Improvements on the Premises (both City Improvements and Tenant Improvements, if any) and leave the Premises in a clean level and usable condition as set forth below, or (iii) demolish some of the Improvements on the Premises, as designated by City, and leave the area of the Premises where the Improvements were demolished in a clean level and usable condition as set forth below and the remainder of the Premises in good and usable condition as set forth above or (iv) pay the cost of restoration to City if City chooses to perform the work itself or have the work performed on its behalf. Additionally, in lieu of demolition, if the City determines that any of the improvements are historical, or eligible for listing as such, the City, in its sole discretion, may require Tenant to pay to City an amount equal to the estimated cost of demolition to be used by the City for the restoration or adaptive reuse of the historical structure or structures. If City terminates this Agreement due to Tenant's default, Tenant is still obligated to restore the Premises as provided in this Section 117 or to pay the cost of restoration if City chooses to perform the work.

117.1.2 Water Restoration (applicable only when the Premises include water use rights). Tenant agrees to remove all debris and sunken hulks from channels, slips and water areas within or fronting upon Premises not solely caused by City. Tenant expressly waives the benefits of the "Wreck Act" (Act of March 3, 1899) 33 U.S.C. Section 401 et seq. and the Limitation of Liability Acts (March 3, 1851, c. 43, 9 Stat. 635) (June 26, 1884, c. 121, Sec. 18, 23 Stat. 57) 46 U.S.C. 189 (Feb. 13, 1893, c. 105, 27 Stat. 445) 46 U.S.C. Sec. 190-196 and any amendments to these Acts if it is entitled to claim the benefits of such Acts.

117.1.3 Restoration Requirements. In connection with Subsections 117.1.1 and 117.1.2, above, Tenant, at its sole cost and expense, shall restore the Premises (including the soil, groundwater and sediment) such that, on the Expiration Date, or earlier termination date, the Premises shall be returned to City:

(a) Free of Term Contamination and in at least as good of a condition as the condition depicted in the Baseline Report, if there is a Baseline Report, and free of all contamination if there is no Baseline Report. As between City and Tenant, Tenant shall bear sole responsibility for Term Contamination and any costs related thereto;

(b) Free of any encumbrances including but not limited to deed or land use restrictions as a result of any Term Release 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 all above-ground and below-ground works, structures, improvements and pipelines of any kind, (collectively referred to as "Structures"),

placed on the Premises by Tenant, if directed to remove such Structures by City. If the Premises have been improved by a prior tenant or by both City and a prior tenant, then such Structures which were 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 Agreement; and

(d) In a clean, level, graded and compacted condition with no excavations or holes resulting from Structures removed if City elects to have Tenant remove all Improvements or, if the City elects to retain some of the Improvements, the area of the demolished improvements shall be in a clean, level, graded and compacted condition with no excavations or holes resulting from any structures the City elects to have removed.

(e) Restoration of Parcels 4, 5, or 6 will require the laying of gravel to cover the parcel as it was originally provided to tenant by Space Assignment No. 16-20 or RP No. 16-16 at the commencement of each respective agreement.

**117.2 Restoration Procedure.** Tenant, at its sole cost and expense, shall initiate and complete the procedures set forth below in Subsections 117.2.1 through 117.2.3, and comply with any other conditions reasonably imposed by the Executive Director for the restoration of the Premises. Provided that Tenant discharges its obligations under this Subsection 117.2 expeditiously and in good faith, City shall reasonably endeavor to ensure that the requirement to discharge its obligations disturbs as little as reasonably possible Tenant's undertaking of the Permitted Uses during the Term of this Agreement. The Executive Director may alter or delete any of the procedures set forth below at the Executive Director's sole and absolute discretion.

**117.2.1 Site Vacation Plan.** When requested to do so in writing by the Executive Director, Tenant shall submit to City a written plan hereinafter referred to as the "Site Vacation Plan." The Executive Director's written request shall state which, if any of the Improvements or Structures on the Premises the City does or does not want Tenant to remove as part of the restoration of the Premises. The sufficiency of the Site Vacation Plan is subject to City's reasonable approval. The Site Vacation Plan shall comply with the then existing Harbor Department procedures for Restoration.

**117.2.2 Permits for Restoration.** Tenant shall obtain at its sole cost and expense all permits required for the completion of its restoration obligations.

**117.2.3 Adequacy of Restoration.** Subject to orders or directives issued by any Governmental Agency with jurisdiction which orders or directives shall take precedence over this Subsection 117.2.3, the adequacy of Tenant's execution of the Restoration Obligations shall be within the sole reasonable discretion of the Executive Director. Tenant shall notify the Executive Director in writing when it believes it has completed all work contemplated by the Site Vacation Plan. The Executive Director shall determine the adequacy of the restoration using the Executive's Director sole reasonable discretion.

**117.3 Restoration Indemnity.** In addition to and not as a substitute for any remedies provided by this Agreement or at law or equity, Tenant shall defend, indemnify and hold harmless City from any and all claims and/or causes of action brought against City and from all damages and costs which arise out of or are related to:

(a) Claims brought by holders of liens on the Premises, Structures, and/or on fixtures and/or equipment or property left on the Premises following the Expiration Date; and

(b) Claims, causes of action, orders or enforcement actions pending against or in connection with the Premises, the Permitted Uses and/or this Agreement.

This restoration indemnity is intended to and shall survive the expiration or earlier termination of this Agreement.

**117.4 No Relocation Assistance.** Nothing contained in this Agreement shall create any right in Tenant or any sublessees of Tenant for relocation assistance or payment from City upon expiration or termination of this Agreement (whether by lapse of time or otherwise). 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 expiration of the term of this Agreement or upon its earlier termination or upon the termination of any holdover.

**117.5 Failure to Restore.** If City has directed Tenant to demolish or restore some or all of the improvements on the Premises, or otherwise restore the Premises, and Tenant has failed to do so, or failed to do so to the level required by this Agreement, on or before the earlier to occur of the date of the termination of this Agreement or the Expiration Date, City shall have the right, but not the obligation, 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, demolition or restoration and further agrees that such City's Costs shall be deemed Additional Rent.

## **Section 118. Miscellaneous.**

**118.1 Titles and Captions.** Unless otherwise indicated, references in this Agreement to sections, subsections, paragraphs, clauses, exhibits and schedules are to the same contained in or attached to this Agreement. Additionally, the Parties have inserted the section titles in this Agreement only as a matter of convenience and for reference, and the section titles in no way define, limit, extend or describe the scope of this Agreement or the intent of the Parties in including any particular provision in this Agreement. Unless otherwise specified, references to Section or Subsection are to sections and subsections of this Agreement.

**118.2 Exhibits and Attachments.** All exhibits and attachments to which reference is made in this Agreement are deemed incorporated in this Agreement, whether or not actually attached. References to sections are to sections of this Agreement unless stated otherwise.

**118.3 Construction of Agreement.** This Agreement shall not be construed against the Party preparing the same, shall be construed without regard to the identity of the person who drafted such and shall be construed as if all Parties had jointly prepared this Agreement and it shall be deemed their joint work product; each and every provision of this Agreement shall be construed as though all of the Parties hereto participated equally in the drafting hereof; and any uncertainty or ambiguity shall not be interpreted against any one Party. As a result of the foregoing, any rule of construction that a document is to be construed against the drafting Party shall not be applicable.

**118.4 Entire Agreement; Amendments.** This Agreement and all exhibits referred to in this Agreement constitute the final complete and exclusive statement of the terms of the agreement between City and Tenant pertaining to Tenant's use and occupancy of the Premises and, subject to the provisions of Subsection 118.32 (Prior Permits), supersedes all prior and contemporaneous understandings or agreements of the Parties. Neither Party has been induced to enter into this Agreement by, and neither Party is relying on, any representation or warranty outside those expressly set forth in this Agreement.

**118.5 Modification in Writing.** This Agreement may be modified only by written Agreement of all Parties. Any such modifications are subject to all applicable approval processes set forth in City's Charter, City's Administrative Code, or Applicable Laws.

**118.6 Waivers.** A failure of any Party to this Agreement to enforce the Agreement upon a breach or default shall not waive the breach or default or any other breach or default. All waivers shall be in writing. The subsequent acceptance of Rent by Board shall not be deemed to be a waiver of any other breach by Tenant of any term, covenant or condition of this Agreement, other than the failure of Tenant to timely make the particular Rent payment so accepted, regardless of Board's knowledge of such other breach. No delay, failure or omission of either Party to execute any right, power, privilege or option arising from any default, nor subsequent acceptance of guarantee then or thereafter accrued, shall impair any such right, power, privilege, or option, or be construed to be a waiver of any such default or relinquishment thereof, or acquiescence therein, and no notice by either Party shall be required to restore or revive the time is of the essence provision hereof after waiver by the other Party or default in one or more instances. No option, right, power, remedy or privilege of either Party shall be construed as being exhausted or discharged by the exercise thereof in one or more instances. It is agreed that each and all of the rights, powers, options or remedies given to City by this Agreement are cumulative, and no one of them shall be exclusive of the other or exclusive of any remedies provided by law, in that the exercise of one right, power, option or remedy by City shall not impair its rights to any other right, power, option or remedy.

**118.7 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.

**118.8 Time is of the Essence.** Time shall be of the essence as to all dates and times of performance, and obligations set forth herein, whether or not a specific date is contained herein. If performance is required by the terms hereof on a Saturday, Sunday or legal holiday in California, the performance shall be made on the next business day.

**118.9 Statements of Tenant as Applicant.** This Agreement may be granted pursuant to an application filed by Tenant with Board. If the application or any of the attachments thereto contain any material misstatements of fact, Board may cancel this Agreement. Upon any such cancellation of the Agreement granted hereunder, Tenant shall quit and surrender the Premises as provided in Section 117 (Restoration and Surrender of Premises).

**118.10 Governing Law and Venue.** This Agreement is made and entered into in the State of California and shall in all respects be construed, interpreted, enforced and governed under and by 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 Agreement shall be filed and litigated in the state or federal courts located in the County of Los Angeles, State of California, in the judicial district mandated by applicable court rules. If either Party files or attempts to litigate an action in violation of this Subsection 118.10, the other Party shall be entitled to recover reasonable costs and attorneys' fees incurred to enforce this Subsection 118.10.

**118.11 Severability.** Should any part, term, condition or provision of this Agreement be declared or determined by any court of competent jurisdiction to be invalid, illegal or incapable of being enforced by any rule of law, public policy, or charter, the validity of the remaining parts, terms, conditions or provisions of this Agreement shall not be affected thereby, and such invalid, illegal or unenforceable part, term, condition or provision shall be treated as follows: (a) if such part, term, condition or provision is immaterial to this Agreement, then such part, term, condition or provision shall be deemed not to be a part of this Agreement; or (b) if such part, term, condition or provision is material to this Agreement, then the Parties shall revise the part, term, condition or provision so as to comply with the Applicable Law or public policy and to effect the original intent of the Parties as closely as possible.

**118.12 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 Agreement, then either Party may terminate this Agreement by written notice, and all rights and obligations hereunder (with the exception of any undischarged rights and obligations) shall thereupon terminate.

**118.13 License Fees and Taxes.** Tenant shall pay all taxes and assessments of whatever character levied upon or charged against the interest of Tenant, if any, created by this Agreement in the Premises or upon works, buildings, improvements or other property thereof, or upon

Tenant's operations hereunder. Tenant shall also pay all license and permit fees required for the conduct of its operations hereunder. Any sums due and owing to City by Tenant under this Subsection 118.13, or paid by City on Tenant's behalf shall be deemed Additional Rent.

**118.14 POSSESSORY INTEREST.** TENANT IS AWARE THAT THE GRANTING OF THIS AGREEMENT TO TENANT WILL CREATE A POSSESSORY PROPERTY INTEREST IN TENANT AND THAT TENANT WILL BE SUBJECT TO PAYMENT OF A POSSESSORY PROPERTY TAX IF SUCH AN INTEREST IS CREATED.

**118.15 Waiver of Claims.** Tenant hereby waives any claim against City and Board and its officers, agents or employees for damages or loss caused by any suit or proceedings directly or indirectly challenging the validity of this Agreement, or any part thereof, or by any judgment or award in any suit or proceeding declaring this Agreement null, void or voidable or delaying the same or any part thereof from being carried out.

**118.16 Attorneys' Fees.** In any legal action or other proceeding brought to enforce or interpret the terms of this Agreement, the prevailing party shall be entitled to "reasonable attorneys' fees" and any other costs and expenses, including but not limited to expert fees, incurred in that proceeding in addition to any other relief to which it is entitled. The "reasonable attorneys' fees" awarded under this Subsection 118.16 shall be determined by calculating the hours reasonably expended by each counsel for the prevailing party multiplied by the prevailing market hourly rate in Southern California for attorneys of comparable skill and experience.

**118.17 Conflict of Interest.** The Parties to this Agreement have read and are aware of the provisions of Section 1090 et seq. and Section 87100 et seq. of the California Government Code relating to conflict of interest of public officers and employees, as well as the Conflict of Interest Code of City's 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 Agreement. Notwithstanding any other provision of this Agreement, it is further understood and agreed that if such a financial interest does exist at the inception of this Agreement, City may immediately terminate this Agreement by giving written notice thereof.

**118.18 Extent of Water Frontage.** In case this Agreement, or any part thereof or any improvements made hereunder, shall be assigned, transferred, leased or subleased and the control thereof be given or granted to any person, firm, or corporation so that such person, firm or corporation shall then own, hold or control more than the length of water frontage permitted or authorized under Section 654(a) of the Charter of City, or if Tenant shall hold or control such water frontage without a four-fifths vote of the Board and a two-thirds vote of the City Council approving the control of such water frontage, then this Agreement and all rights hereunder shall thereupon and thereby be absolutely terminated, and any such attempted or purported assignment, transfer or sublease, or giving or granting of control to any person, firm or corporation, which will then own, hold or control more than such permitted or authorized length of water frontage, shall be void and ineffectual for any purpose whatsoever.

### **118.19 Business Tax Registration Certification.**

118.19.1 Tenant. Tenant represents that it has registered its business with the Office of Finance of the City of Los Angeles and has obtained and presently holds from that Office a Business Tax Registration Certificate, or a Business Tax Exemption Number, required by City's Business Tax Ordinance (Article I, Chapter 2, Sections 21.00 et seq., of City's Municipal Code, or its successor). Tenant shall maintain, or obtain as necessary, all such Certificates required of it under said Ordinance and shall not allow any such Certificate to be revoked or suspended during the Term of this Agreement.

118.19.2 Contractors. Tenant represents that it shall require its contractors and subcontractors to register their business with the Office of Finance of the City of Los Angeles and to obtain and hold from that Office a Business Tax Registration Certificate, or a Business Tax Exemption Number, required by City's Business Tax Ordinance (Article 1, Chapter 2, Sections 21.00 et seq. of City's Municipal Code, or its successor) for all work done on the Premises.

118.19.3 Subtenants. Tenant represents that it shall include in all its subleases the requirement that the subtenant register its business with the Office of Finance of the City of Los Angeles and obtain and hold from that Office a Business Tax Registration Certificate, or a Business Tax Exemption Number, required by City's Business Tax Ordinance (Article 1, Chapter 2, Sections 21.00 et seq. of City's Municipal Code, or its successor) and further require that the subtenant maintain, or obtain as necessary, all such Certificates required of it under said Ordinance and not allow any such Certificate to be revoked or suspended during the Term of its sublease.

**118.20 Affirmative Action.** Tenant agrees not to discriminate in its employment practices against any employee or applicant for employment because of the employee's or applicant's race, religion, ancestry, national origin, sex, sexual orientation, age, disability, marital status, domestic partner status or medical condition. All assignments, subleases and transfers of interest in this Agreement under or pursuant to this Agreement shall contain this provision. The provisions of Section 10.8.4 of the Los Angeles Administrative Code as set forth in the attached Exhibit "L" are incorporated herein and made a part hereof.

**118.21 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 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 Agreement and otherwise pursue legal remedies that may be available.

**118.22 Wage and Earnings Assignment Orders/Notices of Assignments.** 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/Notices of Assignments applicable to them personally. Tenant shall fully comply with all lawfully served Wage and Earnings Assignment Orders and Notices of Assignments in accordance with Cal. Family Code Section 5230 et seq. Tenant shall maintain such compliance throughout the term of this Agreement.

**118.23 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 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.

**118.24 State Tidelands Act, Grants and Trusts; City Charter.** This Agreement is entered into in furtherance of and as a benefit to the State Tidelands Grant and the trust created thereby. Therefore, this Agreement, the Premises and Tenant's use and occupancy thereof, is at all times 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, ("Act") and provisions of Article VI of the Charter of the City of Los Angeles ("Charter") relating to such lands. Tenant agrees that any interpretation of this Agreement and the terms contained herein must be consistent with such limitations, conditions, restrictions and reservations of the Act and the Charter. Tenant further agrees that it 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.

**118.25 Disclosure Laws.** Tenant acknowledges that City is subject to laws, rules and/or regulations generally requiring it to disclose records upon request, which laws, rules and/or regulations include but are not limited to the California Public Records Act (California Government Code Sections 6250 et seq.) ("Disclosure Laws"). Tenant further acknowledges City's obligation and intent to comply with such Disclosure Laws in all respects. Notwithstanding the foregoing, in the event that City receives a request for disclosure of records in connection with this Agreement, which Tenant has designated in writing as confidential, City shall immediately notify Tenant in writing, enclosing a copy of such request, at which point Tenant may take whatever steps deemed appropriate, including but not limited to seeking a protective or other order excusing disclosure from a court of competent jurisdiction. In the absence of such an order from a court of competent jurisdiction excusing City from its disclosure obligations, City shall undertake whatever action is necessary to comply with the requirements imposed by the applicable Disclosure Laws. In the event that any action is filed by Tenant and/or by any requester of information where Tenant elects to challenge all or any part of the requested disclosure, and City is named as a party to that action, Tenant shall defend and hold City and City's former,

present and future boards, elected and appointed officials, employees, officers, directors, representatives, agents, departments, subsidiary and affiliated entities, assigns, insurers, attorneys, predecessors, successors, divisions, subdivisions and parents, and all persons or entities acting by and through, under, or in concert with any of the foregoing, harmless from any and all defense costs and judgments or settlements in any such action as well as all other losses and expenses arising out of or related to such action.

#### **118.26 Visual Artists' Rights Act.**

118.26.1 Generally. Tenant shall not install, or cause to be installed, any work of art subject to the Visual Artists' Rights Act of 1990 (as amended), 17 U.S.C. 106A, et seq., or California Civil Code Section 980, et seq., (hereinafter collectively "VARA") on or about the Premises without first obtaining a waiver in writing, of all rights under VARA, satisfactory to the Executive Director and approved as to form and legality by the City Attorney's Office, from the artist. Said waiver shall be in full compliance with VARA and shall name City as a party for which the waiver applies.

118.26.2 Prohibition. Any work of art installed, or caused to be installed, by Tenant without the prior written authorization of the Executive Director shall be deemed a trespass, removable by City, by and through its Executive Director, upon three (3) days written notice, all costs, expenses and liability therefor to be borne exclusively by Lessee.

118.26.3 Indemnity. Tenant, in addition to other obligations to indemnify and hold City harmless, as more specifically set forth in this Agreement, shall indemnify and hold harmless City from all liability resulting for Tenant's failure to obtain the artist's waiver of VARA and failure to comply with any portion of this Subsection 118.28.

118.26.4 Cumulative Remedy. The rights afforded the City under this Subsection 118.26 shall not replace any other rights afforded City in this Agreement or otherwise, but shall be considered in addition to all its other rights.

**118.27 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 the Board. In the event such business is not conducted in a reasonable manner as determined by the 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, the Board may declare this Agreement terminated.

**118.28 Tenant Name Change.** Tenant shall promptly, and in no case later than fifteen (15) days after a change in name, notify the Executive Director in writing of any changes to its name, or contact or delivery information, set forth in the preamble, or the notification sections, of this Agreement.

**118.29 Signs.** Tenant shall not erect or display, or agree to be erected or displayed, on the Premises, or upon works, buildings and improvements made by Tenant, any advertising matter of any kind, including signs, without first obtaining the written consent of the Executive Director and a Harbor Engineer's General Permit.

**118.30 Ownership of Improvements.** During the Term of the Agreement, title to all structures, improvements, or facilities, constructed or installed by Tenant ("Tenant Improvements") and all alterations constructed or installed by Tenant on Tenant Improvements shall remain in Tenant. Upon termination of this Agreement, all Tenant Improvements or alterations, other than machines, equipment, trade fixtures and similar installations of a type normally removed without structural damage to the Premises, shall become a part of the land upon which they are constructed, or of the building on which they are affixed, and title thereto shall thereupon vest in City unless, however, City requests Tenant to remove some or all of said improvements, in which case Tenant shall promptly remove such improvements at Tenant's sole cost and expense. In the event of removal of any improvements, Tenant shall comply with the restoration obligations of Section 111 (Indemnity and Insurance). Notwithstanding the foregoing, in the event that the Harbor Department ascertains a need to acquire Tenant owned assets prior to title to those assets vesting in City, straight-line depreciation shall be applied to determine the purchase price.

**118.31 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 Agreement.

**118.32 Prior Permits.** To the extent that Tenant and/or its predecessors or Affiliates used or occupied the Premises pursuant to prior agreements, including Revocable Permit Nos. 92-46, 06-02, 16-16 and Space Assignment No. 16-20, from and after the Effective Date of this Agreement, Tenant's use and occupancy of the Premises shall be governed by this Agreement; provided, however, that any provisions which survive termination or expiration of such prior agreements by the terms of the prior agreement or operation of law shall continue in full force and effect unless specifically stated otherwise in Article 1 of this Agreement.

**118.33 No Third Party Beneficiaries.** Nothing in this Agreement shall be deemed to confer upon any Person (other than City, Tenant or Tenant's lender) any right to insist upon, or to enforce against City or Tenant, the performance or observance by either Party of its obligations under this Agreement.

**118.34 Successors.** This Agreement shall be binding upon and shall inure to the benefit of the successors and assigns of City and shall be binding upon and inure to the benefit of the successors and permitted assigns and sublessees of Tenant.

**118.35 Proprietary Capacity.** The capacity of City in this Agreement shall be as lessor only ("Proprietary Capacity"), and any obligations or restrictions imposed by this Agreement on

City shall be limited to that capacity and shall not relate to, constitute a waiver of, supersede or otherwise limit or affect the governmental capacities of City, including enacting laws, inspecting structures, reviewing and issuing permits, and all of the other legislative and administrative or enforcement functions of each pursuant to federal, State or local law ("Governmental Capacity"). Whenever not expressly otherwise stated, (a) City, when acting in its Proprietary Capacity, shall not unreasonably withhold its approvals to matters requiring its approval hereunder, (b) Tenant shall not unreasonably withhold its approval to matters requiring its approval hereunder and (c) City, when acting in its Governmental Capacity, shall be permitted to utilize its sole discretion with respect to matters requiring its approval hereunder.

**118.36 Executive Director Authority.** Whenever this Agreement refers to an action to be taken by the Executive Director, to the extent permitted by Applicable Law, that action may be taken by the Executive Director or the Executive Director's designee.

**[Signature page follows]**

**IN WITNESS WHEREOF**, the Parties hereto have executed this Agreement on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by  
its Board of Harbor Commissioners


Dated: \_\_\_\_\_, 2021

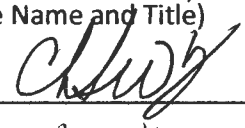
By: \_\_\_\_\_  
EUGENE D. SEROKA  
Executive Director

Attest: \_\_\_\_\_  
AMBER M. KLESGES  
Board Secretary

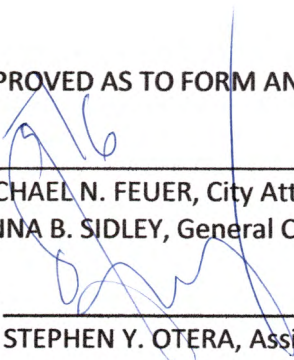
FAST LANE TRANSPORTATION, INC.

Dated: 4/28, 2021

By:   
Patrick Wilson, President  
(Print/type Name and Title)

Attest:   
Christine Henry  
(Print/type Name and Title)

APPROVED AS TO FORM AND LEGALITY

  
\_\_\_\_\_, 2021  
MICHAEL N. FEUER, City Attorney  
JANNA B. SIDLEY, General Counsel

By: \_\_\_\_\_  
STEPHEN Y. OTERA, Assistant

SYO/ila 04/16/2021

## ATTACHMENT 1 - Glossary of Terms

**“ACTA”** means the Alameda Transportation Corridor Authority or its successor entity.

**“Additional Rent”** means the monetary sum, in U.S. Dollars, Tenant shall pay to City for its use and occupancy of the Premises above the Base Rent as set forth in Article 1, Section 4 of this Agreement.

**“Adjusted Base Rent”** means the adjustment to the Base Rent which occurs every five (5) years of the Term pursuant to Article 1, Section 4 of this Agreement.

**“Aggregate Contamination”** means the aggregate of Term Contamination and Pre-existing Contamination so as to constitute, without regard to source, cause or time, the totality of contamination of improvements, adjacent harbor waters, soil, sediment, groundwater or air of the Premises or of adjacent premises (including soil, sediment, groundwater or air of those adjacent premises) by Environmentally Regulated Material, and contamination that is considered a nuisance under Applicable Laws.

**“Affiliate”** means, when used with reference to a specified person or entity, any person or entity which directly or indirectly controls, is controlled by or is under common control with the specified person or entity. A person or entity shall be regarded as in control of another entity if it owns or is under common ownership or directly or indirectly controls at least fifty (51%) of the voting stock or other equity interests of the other entity, or in the absence of ownership of at least fifty percent (51%) of the voting securities of an entity, if it possesses, directly or indirectly, the power to direct or cause the direction of the management and policies of such entity.

**“Alteration” or “Alterations”** means improvements, alterations, additions or changes to the Premises including, without limitation, the construction of works or improvements or the changing of the grade of the Premises, except as otherwise stated in this Agreement.

**“Annual Adjustment Date”** shall have the meaning set forth in Article 1, Subsection 4.3.1.

**“Applicable Laws”** means any and all federal, state, county or governmental agency laws, statutes, ordinances, standards, codes (including, without limitation, all building codes) rules, requirements, or orders in effect now or hereafter in effect pertaining to the use or condition of the Premises and/or Tenant’s operation 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.) 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. Section 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 and its implementing regulations; and (h) Any other applicable federal, state, or local law, regulation, ordinance, order, resolution or requirement (including consent decrees and

administrative orders imposing liability or standard of conduct) now or hereafter in effect which concerns Environmental Regulated Material, the Premises and/or Tenants use and/or occupancy of the Premises.

**“Application for Port Permits” or “APP”** means the application required to be submitted by Tenant for all alterations to the Premises. An APP is also required for all non-development projects such as new leases or permits, lease or permit renewals, lease or permit amendments, events, parking requests for events and foreign trade zone agreements. All references to Application for Port Permits or APP shall also mean any successor application process adopted by the Harbor Department.

**“Assignment”** means the transfer, or assignment of this Agreement, in whole or in part, in any manner including without limitation 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 there is a formal assignment or hypothecation of this Agreement 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 Agreement, or at the time of the most recent Transfer to which City has consented, or as it exists immediately prior to said transaction or transactions constituting such reduction, whichever was or is greater. For purposes of this definition, 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 of, or a general partner of, a Tenant.

**“Assignor”** means collectively any transferor or assignor of Tenant’s interest in the Premises, or any portion thereof, including any and all entities that occupied the Premises prior to Tenant and actually or purportedly transferred or assigned its right of occupancy to Tenant either contractually or under operation of law, including any “Transfer” as defined in Article 2, Section 113, whether or not there was a written assignment or approval of the assignment by City.

**“Appraisal Process”** means the process set forth in Article 1, Subsection 4.3.2.2, to resolve disputed Adjusted Base Rent.

**“Backlands”** means the land area beyond 200 feet inland from the top of the bank.

**“Baseline Condition”** shall have the meaning set forth in Article 2, Subsection 104.2.

**“Base Rent”** means the monetary sum, in U.S. Dollars, Tenant shall pay to City for its use and occupancy of the Premises per Compensation Year, excluding Tariff Charges and other Additional Rent, as set forth in Article 1, Section 4 of this Agreement.

**“Board”** means the Board of Harbor Commissioners of the Harbor Department of the City of Los Angeles.

**“Casualty”** means damage or destruction of the improvements on the Premises.

**“CEQA”** means the California Environmental Quality Act, Sections 21000 et. seq. of the Public Resources Code and the CEQA Guidelines set forth at 14 California Code of Regulations Sections 15000 et. seq.

**“Charter”** or **“City Charter”** means the Charter of the City of Los Angeles as it may be amended from time to time.

**“Chief Harbor Engineer”** means the Chief Harbor Engineer, Engineering Division of the Harbor Department, or successor designations should that title be renamed or redesignated during the Term.

**“City”** means the City of Los Angeles, a municipal corporation.

**“City Council”** means the Council of the City of Los Angeles, the legislative body of the City pursuant to Section 20 of the Charter of the City of Los Angeles.

**“City Costs”** or **“City’s Costs”** means the costs, determined in the City’s sole reasonable discretion, for any work performed by or for City to comply with a Tenant obligation under this Agreement including, without limitation, 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; for the processing of any approvals or consents required or requested by Tenant; for the cost of processing an APP for the Tenant’s Premises; and, for the cost of complying with any Governmental Agencies’ orders which were the responsibility of Tenant.

**“City Improvements”** means those improvements on the Premises owned by the City.

**“Compensation Year”** means the twelve (12) month period from the Effective Date and every twelve month period thereafter.

**“Condemnation”** means the taking of property through acquisition or damage of all or part of the Premises by a Government Agency having the power of eminent domain.

**“County”** means the County of Los Angeles.

**“CPI-U”** means the Consumer Price Index for All Items, All Urban Consumers for the Los Angeles-Long Beach-Anaheim, California area, 1982-84=100 as published by the U.S. Department of Labor, Bureau of Labor Statistics, or a successor index selected by the Executive Director of the Harbor Department in the Executive Director’s sole reasonable discretion.

**“Effective Date”** is the date specified in Article 1, Subection 3.1 of this Agreement.

**“Environmental Compliance Requirements”** means the requirements identified in Exhibit “I” as set forth in Article 2, Subsection 104.6.1. Generally this term encompasses the MMRP, Lease Measures, and any other environmental compliance and/or reporting requirements related to Tenant’s environmental obligations set forth in Article 2, Section 104 of this Agreement.

**“Environmental Agency”** means the United State Environmental Protection Agency; the California Environmental Protection Agency and all of its sub-entities including without limitation the Regional Water Quality Control Broad - Los Angeles Region, the State Water Resources Control Board, the Department of Toxic Substances Control and the California Air Resources Board; the City of Los Angeles; the County of Los Angeles; the South Coast Air Quality Management District; the United States Environmental Protections Agency; and/or any other federal, state or local governmental agency or entity that has jurisdiction over Hazardous Substances Releases or the presence, use, storage, transfer, manufacture, licensing, reporting, permitting, analysis, disposal or treatment of Hazardous Substances in, on, under, about or affecting the Property. All references to an Environmental Agency or Agencies shall mean and include any successor Environmental Agency.

**“Environmental Laws”** means the environmental laws and implementing regulations which are a subset of the Applicable Laws and which are applicable to the Premises and/or Tenant’s use and/or occupancy thereof, in their form as of the Effective Date or as subsequently amended, or as may be promulgated during the term of this Agreement or any holdover. Such Environmental Laws include but are not limited to:

- (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 state Lewis Air Quality Act of 1976 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, the Premises and/or Tenant’s use and/or occupancy thereof.

**“Environmentally Regulated Material”** means any hazardous or toxic substance, material, or waste at any concentration that is or becomes regulated by the United States, the State of California, or any local or governmental authority having jurisdiction over the Premises. Environmentally Regulated Material includes but is not limited to:

- (a) Any “hazardous substance” as that term is defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (“CERCLA”) (42 U.S.C. 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.

**“Executive Director”** means the Harbor Department’s Executive Director referred to in the Charter of the City of Los Angeles and any other person authorized by the Board to act for the Executive Director or the Board or the designee of the Executive Director.

**“Existing Improvements”** means the improvements existing on the Premises as of the Effective Date of this Agreement.

**“Expiration Date”** is the date set forth in Article 1, Subsection 3.2 of this Agreement.

**“Fair Market Rental”** means the most probable rent that a property should bring in a competitive market reflecting all conditions and restrictions of the lease agreement, including permitted uses, use restrictions and tenant improvements.

**“Five-Year Adjustment Period”** means each five (5) year period of the Term of this Agreement which is subject to rental adjustment pursuant to Article 1, Section 4, of this Agreement.

**“Force Majeure”** shall have the meaning set forth in Article 2, Section 110 of this Agreement.

**“Governmental Agency” or “Governmental Agencies”** means any and all federal, state, county, municipal and local governmental and quasi-governmental bodies and authorities (including the United States of America, the State of California, the City, the County of Los Angeles, and any political subdivision, public corporation, district or other political or public entity) or departments or joint power authorities thereof having or exercising jurisdiction over the parties, the Premises, or such portions thereof as the context indicates.

**“Governmental Authority”** means any court, federal, state or local government, department, commission, board, bureau, agency or other regulatory, administrative, governmental or quasi-governmental authority, including the City of Los Angeles, of the United States of America, including any successor agency.

**“Governmental Capacity”** means City acting in its authorized capacity as the City of Los Angeles, a municipal corporation, as set forth in Article 2, Subsection 118.35.

**“Government Entities” or “Governmental Agency or Agencies”** means any and all federal, state, county, municipal and local governmental and quasi-governmental bodies and authorities (including the United States of America, the State of California, the City, the County, and any political subdivision, public corporation, district or other political or public entity) or departments or joint power authorities thereof having or exercising jurisdiction over the parties, the Premises, or such portions thereof as the context indicates.

**“Harbor Department” or “Department”** means the Harbor Department of the City of Los Angeles.

**“Harbor District”** is as defined in Section 651(a) of City’s Charter or in any successor provision of City’s Charter.

**“Chief Harbor Engineer’s General Permit” or “Harbor Engineer’s General Permit”** means the permit issued by the Chief Harbor Engineer to undertake works or improvements in the Harbor District.

**“Harbor Engineer”** means the Chief Harbor Engineer of the Harbor Department of the City of Los Angeles or the Harbor Engineer’s designee.

**“Improvement”** means, unless otherwise specified, building or buildings, but may be any permanent structure or other development such as, but not limited to, a street or utilities.

**“Labor Disturbance”** has the meaning set forth in Article 2, Subsection 103.2.4 of this Agreement.

**“Market Rent”** means the most probable rent that a property should bring in a competitive and open market reflecting all conditions and restrictions of the lease agreement, including permitted uses, use restrictions, expense obligations, term, concessions, renewal and purchase options, and tenant improvements.

**“Major Casualty”** means any casualty, whether covered by insurance or not, whose repair would exceed ten percent (10%) of the replacement cost of the damaged or destroyed improvements.

**“Minor Casualty”** means any casualty, whether covered by insurance or not, which is not a Major Casualty.

**“Mitigation Monitoring and Reporting Program” or “MMRP”** means the Mitigation Monitoring and Reporting and Program described in Exhibit “I,” herein.

**“Non-Harbor Department Permits”** means permits issued by entities other than the Harbor Department, which entities include other departments of City, which may be necessary to undertake works or improvements in the Harbor District.

**“Partial Taking”** means the Condemnation of all or a portion of the Premises which does not substantially impair Tenant’s use of the Premises for the Permitted Uses.

**“Party”** and **“Parties”** is defined in the introductory paragraph of this Agreement.

**“Permitted Uses”** means the uses set forth in Article 1, Section 5 of this Agreement.

**“Person”** means individuals, partnerships, firms, associations, corporations, trusts and any other form of governmental or business entity, and the singular shall include the plural.

**“Port Environmental Policy”** means all applicable environmental policies, rules, orders and directives of the Harbor Department as they exist on the Effective Date and as they may be enacted, amended or modified from time to time.

**“Premises”** means the land and improvements depicted in Exhibit “A,” and as subsequently may be adjusted pursuant to the terms of this Agreement.

**“Proprietary Capacity”** is as defined in Article 2, Subsection 118.35, of this Agreement.

**“Rent”** means the combined Base Rent and Additional Rent due from Tenant to City for the use and occupancy of the Premises.

**“Reset Date”** means every fifth anniversary of the Effective Date as set forth in Article 1, Subsection 4.2.2.

**“Severance Damages”** means the compensation due to a property owner for the decrease in value of the remaining property where the Condemnation is for a portion of a larger property whose value has been diminished as a result of severance of the condemned property from the larger property.

**“Site Vacation Plan”** is as defined in Article 2, Subsection 117.2.1 of this Agreement.

**“State Tidelands Act”** means 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” (Stats. 1929, Ch. 651) as amended, and as it may amended from time to time.

**“Submerged Lands”** means land area that is located underwater from the pierhead line toward the channel line.

**“Subsurface Land”** means the land area which has a depth of more than three (3) feet beneath the surface.

**“Taking”** means the acquisition through condemnation, inverse condemnation, or agreement in lieu of condemnation, of the Premises or any part thereof.

**“Tariff”** means Tariff No. 4 of City of Los Angeles’ Harbor Department as it may be amended from time to time.

**“Tariff Charges”** means all charges due and owing by Tenant under the Tariff on account of Tenant’s use and occupancy of the Premises.

**“Tax” or “Taxes”** means the aggregate of any federal, state or local or foreign income, gross receipts, license, payroll, employment, excise, severance, stamp, occupation, business, premium, windfall profits, environmental, customs duties, permit fees, capital stock, franchise, profits, withholding, social security (or similar), unemployment, disability, good and services, water, school, real property, possessory interest, personal property, sales, use, transfer, registration, value added, multi-staged, alternative or add-on minimum, special, estimated or other tax, levy, impost, stamp tax, duty, fee, withholding or similar imposition of any kind whatsoever payable, levied, imposed, collected, withheld or assessed at any time, including any interest, penalty or addition thereto, whether disputed or not, including in each case utility rates or rents, upon, concerning or applicable to the Premises, any fixtures, machinery and equipment installed or maintained on the Premises, the improvements and the use and operation of the Premises by any Governmental Authority.

**“Temporary Taking”** means the Condemnation of all or a portion of the Premises for a specified period of time.

**“Tenant Improvements”** means those improvements on the Premises which are built by the Tenant and whose ownership has not vested in City.

**“Tenant’s use” and “Tenant’s use and occupancy”** means, unless otherwise stated or evident from the context in which the term is used, the use of the Premises by Tenant, its employees, contractors, subcontractors, licensees, invitees, suppliers or anyone else present at the Premises pursuant to Tenant’s invitation or permission.

**“Term”** means the term of this Agreement, which shall commence on the Effective Date and end on the Expiration Date or earlier termination of this Agreement.

**“Term Characterization Report”** shall mean the written report submitted by Tenant to City, the sufficiency of which is subject to City’s reasonable approval, that details all findings made as a result of performing the Term Characterization Work Plan and that is in conformance with state and federal laws and regulations.

**“Term Characterization Work Plan”** shall mean the written work plan submitted by Tenant to City, the sufficiency of which is subject to City’s reasonable approval, that details all work (including sampling and analysis) necessary to generate a written characterization of the nature and extent of contamination (including contamination of air, soil, sediment and water) caused by a Term Release or Term Releases and that includes detailed programs for sampling and chemical analysis of soil and groundwater, which programs shall conform with all Environmental Laws,

accepted principles of environmental science, established regulatory protocols and the approval of the Harbor Department.

**“Term Contamination”** means all contamination of improvements, adjacent harbor waters, soil, sediment, groundwater or air of the Premises or the adjacent premises (including soil, sediment, groundwater or air of those adjacent premises) resulting from all Term Releases and contamination that is consider a nuisance under Applicable Laws.

**“Term Release”** shall mean a spill, discharge or any other type of release of Environmentally Regulated Material that occurs on the Premises during the term of this Agreement or any holdover, whether caused by Tenant or a third-party, including any Assignor (other than invitees under a temporary assignment pursuant to Subsection 102.6 (Temporary Assignments) or third-parties whose access to the Premises has been requested by City pursuant to Subsection 102.2 (Reservations), that contaminates or threatens to contaminate New Improvements, adjacent harbor waters, soil, sediment, groundwater or air of the Premises or of adjacent premises (including soil, sediment, groundwater or air of those adjacent premises).

**“Term Remediation Action Plan”** shall mean the written plan submitted by Tenant to City, the sufficiency of which is subject to City’s reasonable approval, that addresses remediation of all contamination caused by Environmentally Regulated Material in soil, harbor waters, and groundwater and sediment as identified in the Term Characterization Report, that conforms with Tenant’s obligations as set forth Section 104, and that includes a discussion of remedial action alternatives for restoration of the Premises and a timetable for each phase of restoration. The Term Remediation Action Plan shall comply with Environmental Laws, established regulatory protocols and accepted principles of environmental science.

**“Tidelands”** means the land between the ordinary high tide and the mean low tide.

**“Total Taking”** means the Condemnation of all or a substantial portion of the Premises which renders the Premises unsuitable for the Permitted Uses.

**“Transfer”** means the transfer, assignment or subletting of the Premises as fully defined in Article 2, Section 113 of this Agreement.

**“Transferee”** means the person, entity or entities with whom Tenant proposes to undertake a Transfer.

**“Transfer Notice”** means the written notice required to be submitted by Tenant as set forth in Article 2, Subsection 113.3.1 of this Agreement.

**“Transfer of Ownership”** means the transfer defined in Article 2, Subsection 113.2 of this Agreement.

**“Waterfront Property”** means the land area from the pierhead line extending inland to the top of the bank, plus 200 feet inland from the top of the bank.

DWG: Tempwork\Indiv\ca\d\project\DWLEAS\Signed Drawings\1-3453 Fuel Line (Signed).dwg USER: mterlitz  
DATE: Feb 22, 2021 4:12pm XREFS:BDRY-PIER StreetsDominguezChannel\IMAGES\L5\_5487\_1741a\L5\_5487\_1741a\L5\_5492\_1741a\L5\_5492\_1741a



## **EXHIBIT B – EXISTING IMPROVEMENTS/LOAD LIMITS**

### **CITY IMPROVEMENTS**

1. One (1) Guard Shack located In Parcel No. 4
2. One (1) Fire Hydrant located in Parcel No. 4
3. One (1) Fire Hydrant located in Parcel No. 5
4. One (1) Water Main located in Parcel No. 5

### **FAST LANE TRANSPORTATION, INC. IMPROVEMENTS**

1. Crushed material base to be placed upon the top of soil within Parcel Nos. 1, 3, 4, 5, 6, and 7 as part of periodic maintenance required under Exhibit I.

## **EXHIBIT C – APPRAISER QUALIFICATIONS**

Any appraisals that provide opinions of market value shall be performed by an appraiser whose business is located in Los Angeles or Orange Counties and hold a Certified General Appraiser classification within the State of California obtained through the qualification procedures set forth by the California Office of Real Estate Appraisers (OREA) and be a member in good standing with the Appraisal Institute and hold the designation of MAI. A copy of all licenses and certifications shall be submitted prior to commencement of work.

Any appraiser selected to perform an appraisal of Harbor Department related properties (total property, land and/or improvements) shall have working knowledge of port related properties that is appropriate for the work being performed.

## **EXHIBIT D – APPRAISER SCOPE OF WORK**

Appraisers performing work under Article 1, Section 4 of this Agreement shall prepare appraisal reports in strict conformity with the scope of work set forth herein (“Appraisal Report”). This scope of work incorporates by reference as if fully set forth herein all terms defined in the Agreement to which it is attached.

### **Format Requirements for Appraisal Reports:**

The Appraisal Report shall be presented in a letter size bound report. The Appraisal Report shall include a confidentiality agreement in a form prepared by the Office of the City Attorney of the City of Los Angeles. The Appraisal Report shall include a letter of transmittal that clearly states all of the real property conclusions and all extraordinary assumptions of the report and the bases underlying each conclusion and assumption. The letter of transmittal shall also contain a brief description of the interest appraised, dates of value, date of report, client, intended use, intended user, type of appraisal, report type and signature. The Appraisal Report shall be self-contained and shall fully comply with the latest edition of the Uniform Standards of Professional Appraisal Practice (“USPAP”) and this Appraisal Scope of Work. In addition to the letter of transmittal, the Appraisal Report shall contain an executive summary or summary of salient facts.

### **Content Requirements for the Appraisal Report:**

#### ***Subject Property***

The premises identified and defined in Article 1, Section 2 of the Agreement, which include land and improvements, if any (“Premises”).

#### ***Interest Appraised***

The Market value and market rent of the Premises. Market value shall be determined for the as is, fee simple interest of the Premises based upon the highest and best use. Market Rent shall be established in accordance with the Leasing Policy of the Harbor Department which defines Market Rent as “the most probable rent that a property should bring in a competitive and open market reflecting all conditions and restrictions of the lease agreement, including permitted uses, use restrictions and tenant improvements.”

#### ***Date of Appraisal***

The Appraisal Report shall include the date that the report was completed.

### *Date of Value*

The date of value shall be the date of commencement of the Reset Date for the relevant Five-Year Adjusted Period, as defined in Article 1, Section 4 of the Agreement.

### *Scope of Appraisal*

The Appraisal Report shall determine the market value and rental value of the Premises as stated above under *Interest Appraised*. The opinions of value will be set forth on a value per-square-foot unit of comparison. The Appraisal Report shall contain the following information and analysis:

Externalities: Information, including but not limited to:

- analysis of national, regional and local economic trends and other relevant forces that influence or impact property values;
- descriptions of the immediate and surrounding economic and geographic areas;
- descriptions of the Premises' access features;
- availability and market characteristics of comparable properties;
- impact of Port of Los Angeles and Port of Long Beach activities; and
- a conclusion as to the social, economic, governmental and environmental characteristic of the Premises.

### *Highest and Best Use*

The Appraisal Report shall include a highest and best use analysis of the Premises as improved and as if vacant.

### *Zoning*

The Appraisal Report shall include a discussion of current zoning including designation, health restrictions, permitted uses, setbacks, coverage ratios, FARs, landscaping and parking requirements.

### *Comparable Information*

Each comparable land sale, improved sale, rental comparable and rate of return comparable shall be described in detail on a separate data sheet that shall include the verification date and source, as well as all other important information. Additionally, the Appraisal Report must include an adjustment grid that delineates each item of adjustment as well as the direction and amount of each adjustment made. All adjustments are to be discussed in the pertinent analysis section of the Appraisal Report.

### Method of Appraisal

The Appraisal Report shall describe all information analyzed, the appraisal procedures followed, and the reasoning that supports the analysis, opinions and conclusions. All appraisal methods shall be considered and all appropriate appraisal methods shall be applied, however as a minimum, the sales comparison and income approaches to value must be included. If standard approaches to value are not included, the report must contain a discussion of the reason for the exclusions.

### The Income Capitalization Approach

This required valuation approach will include an estimate of market rent and market value of the Premises. Values will be estimated base on the direct capitalization approach or a discounted cash flow methodology. Direct land, building and or total property capitalization rates will be derived from verified comparable sale properties with similar characteristics. Discounted cash flow analyses will contain internal rates of return derived from investor surveys and interviews with buyers of verified comparable sales. Comparables will consist of similar use San Pedro Bay properties or industrial zoned properties within a 15 mile radius of the Port of Los Angeles (“POLA-Adjacent Properties”).

### The Cost Approach

This analysis, if applied, will value the improvements as a whole and will set forth the reproduction cost new, including direct costs, indirect costs, and entrepreneurial profit. Indirect costs shall include, but not be limited to, construction interest and costs, long-term financing costs, insurance, taxes, fees, permits architectural and engineering fees, site costs, land holding costs, utility connection fees and an estimate of construction time. A depreciation analysis will estimate total life, remaining economic life, effective age, and total accrued depreciation from all forms. This approach to market and rental value will reconcile total value for the land, improvements and or total property considered as a whole and the individual estimates for each area of appraised classification. When applied to estimate land value and rent, the analysis will abstract the value the land from the value of the total property by deducting the depreciated value of the improvements.

### The Sales Comparison Approach

This required valuation method will include, where relevant, a direct comparison of sales or leases of similar use in San Pedro Bay or POLA-Adjacent Properties. These property types may include: office, retail, R & D and industrial properties as well as arms-length lease comparables from within the Port of Los Angeles.

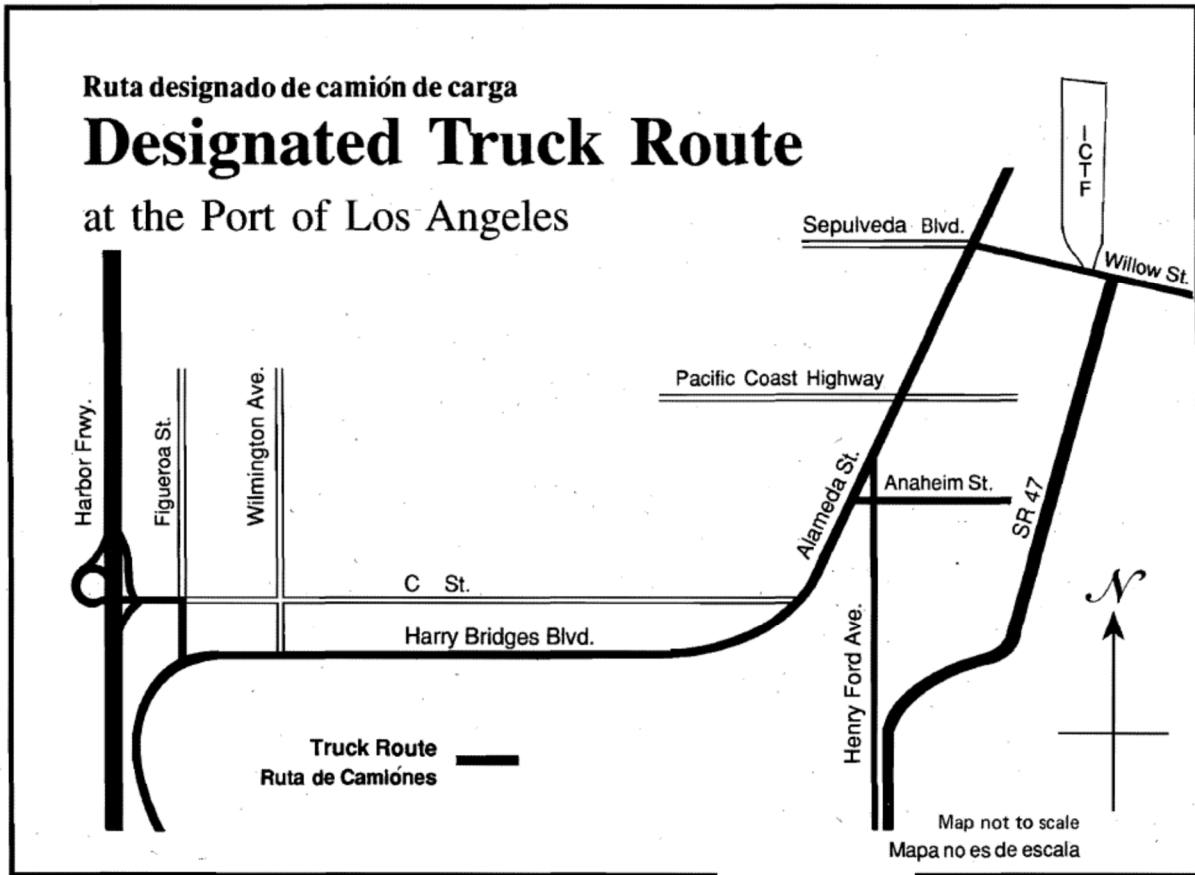
In identifying similar properties as comparables, the appraiser shall consider factors including, but not necessarily limited to, the following: use (commercial versus noncommercial); size, location, water and non-water access; other occupancy cost and fees, unique taxes, tariffs and levies, operating rules and regulations; and type, quality, condition and function utility or limitations of land and/or improvements. The appraiser shall also consider general real estate market conditions and trends in the surrounding area.

#### Reconciliation

The Appraisal Report shall reconcile the results of all approaches employed and provide an analysis that results in a final conclusion of the market value and market rent for the each interest or property classification. The reconciliation will state the effective dates of value, the interests appraised and the properties appraised.

## EXHIBIT E – WILMINGTON TRUCK ROUTE

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



## EXHIBIT F-1 – CITY BASELINE REPORT

To		From		To		From
	BOARD OF HARBOR COMMISSIONERS		CITY OF LOS ANGELES HARBOR DEPARTMENT  OFFICE MEMORANDUM   September 25, 2020		ENVIRONMENTAL MANAGEMENT	X
	EXECUTIVE DIRECTOR				FINANCIAL MANAGEMENT	
	DED & CHIEF FINANCIAL OFFICER				GOODS MOVEMENT	
	DED - DEVELOPMENT				GOVERNMENT AFFAIRS	
	CHIEF OF PUBLIC SAFETY & EMERG MGT				GRAPHIC SERVICES	
	DED – MKTG & CUSTOMER RELATIONS				HUMAN RESOURCES	
	DED - STAKEHOLDER ENGAGEMENT				INFORMATION TECHNOLOGY	
	SR DIRECTOR, COMMUNICATIONS				LABOR REL & WORKFORCE DEV	
	ACCOUNTING				MANAGEMENT AUDIT	
X	CARGO/INDUSTRIAL REAL ESTATE				MEDIA RELATIONS	
	CARGO MARKETING				PLANNING & STRATEGY	
	CITY ATTORNEY				PORT PILOTS	
	COMMISSION OFFICE				PORT POLICE	
	COMMUNITY RELATIONS			RISK MANAGEMENT		
	CONSTRUCTION			TRADE DEVELOPMENT		
	CONSTRUCTION & MAINTENANCE			WATERFRONT/COMM REAL ESTATE		
	CONTRACTS & PURCHASING			WHARFINGERS		
	DEBT & TREASURY MANAGEMENT			X	ENVIRONMENTAL MANAGEMENT – CEQA Group	
	EMERGENCY MANAGEMENT					
	ENGINEERING					

**SUBJECT: BASELINE ENVIRONMENTAL SITE CHARACTERIZATION REPORT, FAST LANE PARCELS, WILMINGTON, CALIFORNIA**

Please find attached the *Baseline Environmental Site Characterization Report* for Parcels 1-7 of the Fast Lane property. If you have any questions, please contact Rita Brenner at (310) 732-3127 or via email at [rbrenner@portla.org](mailto:rbrenner@portla.org).



**CHRISTOPHER CANNON**  
Director of Environmental Management

CC:LW:SS:RB.mrx  
APP No.: 200429-517  
FILE: Y:\\_PROJECT FILES\200429-517H Fast Lane Baseline\Internal Memo For Baseline Report Distribution\_FINAL-9-25-20.doc

Attachment

Memo Form 04/20

**EXHIBIT F-1 - 001**

**BASELINE ENVIRONMENTAL SITE  
CHARACTERIZATION REPORT  
FAST LANE PARCELS  
WILMINGTON, CALIFORNIA**

Prepared For:

**City of Los Angeles Harbor Department**

425 South Palo Verdes Street  
San Pedro, California 90731

APP: 200429-517  
Leighton Project No. 12736.004

September 21, 2020



Leighton Consulting, Inc.

A LEIGHTON GROUP COMPANY



Leighton Consulting, Inc.  
A LEIGHTON GROUP COMPANY

September 21, 2020

Project No. 12736.004  
APP: 200429-517

City of Los Angeles Harbor Department  
Environmental Management Division  
425 South Palo Verdes Street  
San Pedro, California 90731

**Subject: Baseline Environmental Site Characterization Report  
Fast Lane Parcels  
Wilmington, California**

Leighton Consulting, Inc. (Leighton) is pleased to present the City of Los Angeles Harbor Department (Harbor Department), Environmental Management Division (EMD) this report summarizing the results of a baseline environmental site characterization of soil and groundwater at the seven Fast Lane Parcels located south of East Pacific Coast Highway, east of Dominguez Channel, west of Terminal Island Freeway, and north of East Anaheim Street in Wilmington, California.

We appreciate the opportunity to assist EMD on this project. If you have questions regarding our proposal or information that would update our scope of work, please call us at your convenience at **866-LEIGHTON**, directly at the phone extension and/or e-mail address listed below.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Brynn McCulloch, PG 8794  
Principal Geologist  
Ext 4287, [bmcculloch@leightongroup.com](mailto:bmcculloch@leightongroup.com)



Mark Withrow, PE 83229  
Associate Engineer  
Ext 4211, [mwithrow@leightongroup.com](mailto:mwithrow@leightongroup.com)

BFM/MDW/lr

17781 Cowan ■ Irvine, CA 92614-6009  
949.250.1421 ■ 949.250.1114 Fax

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### ATTACHMENTS

Figure 1 – Site Location Map

Figure 2 – Boring Location Map

Figure 3 – DRO and ORO in Soil

Figure 4 – California Hazardous Waste in Soil

Figure 5 – Metals in Groundwater

Figure 6 – VOCs in Groundwater

Table 1 – Boring Coordinates

Table 2 – Metals in Soil

Table 3 – TPH and PAHs in Soil

Table 4 – VOCs, OCPs, and PCBs in Soil

Table 5 – Metals in Groundwater

Table 6 – TPH, VOCs, and PAHs in Groundwater

Appendix A – Boring Permit

Appendix B – Boring Logs

Appendix C – Laboratory Reports and Chain-of-Custody Documents

## 1.0 INTRODUCTION

Leighton Consulting, Inc. (Leighton) is pleased to present the City of Los Angeles Harbor Department (Harbor Department), Environmental Management Division (EMD) this report summarizing the results of a baseline environmental site characterization of soil and groundwater at the seven Fast Lane Parcels located south of East Pacific Coast Highway, east of Dominguez Channel, west of Terminal Island Freeway, and north of East Anaheim Street in Wilmington, California (Site, Figure 1).

The objective of the baseline environmental site characterization is to determine what, if any, environmental impacts are present in the soil and groundwater from activities on or near the Site, prior to leasing the Site to Fast Lane.

The scope of work included the following:

- Advancement of 27 exploratory soil borings to total depths between 5 and 10 feet below ground surface (bgs);
- Collection of soil and groundwater samples for chemical analysis; and
- Preparation of this report summarizing our findings and conclusions, including tables, illustrations and appendices.

## 2.0 BACKGROUND

The seven parcels included in this assessment will be leased to Fast Lane Transportation, Inc. (Fast Lane). Fast Lane stores, repairs, and processes containers for most major container leasing companies, shipping lines, and railroads, as well as, handles the inspection, documentation, repair, and storage of container chassis. The surrounding vicinity is industrial in nature, consisting of fueling terminals, tank farms, rail facilities, and various maintenance yards.

For ease of description, the seven parcels are identified as follows and shown on Figure 2:

Property ID	Approximate Acres	Current Use
1	3.5	Cargo Container and Chassis Storage
2	0.4	Chassis Storage
3A/3B	0.3	Chassis Storage
4A/4B	2.7/2.4	Cargo Container and Chassis Storage (former crusher site)
5	1.6	Cargo Container and Chassis Storage (former crusher site)
6	1.6	Cargo Container and Chassis Storage
7	0.2	Cargo Container and Chassis Storage

Historical environmental documents prepared for the Site, if any, were not provided by the Harbor Department.

### 3.0 INVESTIGATIVE METHODOLOGY

The investigative methodology developed for this project includes, and is limited to, the activities summarized below.

#### 3.1 Pre-field Activities

##### 3.1.1 Health and Safety Plan

A Site Specific Health and Safety Plan (HSP) was prepared for work performed at the Site. All onsite Leighton personnel signed the HSP acknowledging acceptance. The document was kept onsite at all times during the field activities. The HSP was prepared in compliance with Title 8 Section 5192 of the California Code of Regulations (CCR), and the Occupational Safety and Health Administration (OSHA) Chapter 29 of the Code of Federal Regulations (29 CFR) 1910.120.

##### 3.1.2 Underground Services Alert

Underground Service Alert (USA; also referred to as DigAlert) was contacted at least 48-hours prior to commencement of fieldwork to mark the location of public utilities that may enter the Site from nearby streets. The locations of the proposed borings were clearly marked with a stake and flag or white paint prior to contacting USA.

##### 3.1.3 Permits

Prior to commencement of field activities, Leighton obtained a well permit from the County of Los Angeles Public Health, Department of Environmental Health (DEH). The permit was required for the advancement of select borings into groundwater. A copy of this permit is included in Appendix A.

#### 3.2 Field Activities

##### 3.2.1 Geophysical Utility Survey

Prior to sampling, the proposed borings locations were screened for subsurface utilities by conducting a geophysical utility survey of the area. The geophysical survey evaluated the presence of detectable buried magnetic, metallic, and electrically conductive features such as metal

pipelines, buried tanks, debris, electrical lines, and other subsurface features in the area of the proposed borings. Boring locations that conflicted with identified underground utilities were relocated.

### **3.2.2 Soil Investigation**

On July 29 through 31, 2020, Leighton oversaw the advancement of 27 soil borings at the Site (B1 through B18 and HA1 through HA9). Two additional borings were added to the original 25 locations because shipping containers were cleared in areas that were previously inaccessible. Boring locations are depicted on Figure 2.

Soil borings were advanced using hand auger or truck-mounted direct-push drilling equipment operated by Millennium Environmental, Inc. (Millennium) of Anaheim, California, a State of California licensed drilling contractor. During boring advancement, a photoionization detector (PID) was used to evaluate the soil cuttings for the presence or absence of volatile organic hydrocarbon vapors and monitor the worker breathing zone for health and safety purposes. Detections observed on the PID ranged from 0 to 2.5 parts per million by volume (ppmv). The maximum PID reading of 2.5 ppmv was observed in boring HA3 at a depth of 0.5 feet bgs. Soil encountered during drilling was classified and logged in accordance with the Unified Soil Classification System (USCS). Detailed boring logs, including PID readings, are attached in Appendix B.

Soil samples were collected for chemical analysis from borings B1 through B18 and HA1 through HA9, at depths of 0.5 feet, 2.5 feet, 5 feet bgs. An additional sample was collected at the capillary fringe (between 5 and 10 feet bgs) in borings B1 through B18.

Soil samples were retained in 8-ounce laboratory-supplied glass jars or acetate sleeves capped with Teflon sheets and plastic end caps, and placed in an ice-cooled chest for storage and delivery to Jones Environmental, Inc. (Jones) in Santa Fe Springs, California for chemical analysis. Jones is a State of California Environmental Laboratory Accreditation Program-certified (ELAP) laboratory.

Down-hole drilling and sampling equipment was decontaminated between boreholes by washing in a solution of non-phosphate detergent and water,

rinsing with potable water, final rinsing with distilled water, and allowing to air-dry.

Upon completion of soil sampling, the soil borings extended into groundwater were backfilled with a cement, bentonite grout mixture and borings not extending into groundwater were backfilled with hydrated bentonite chips. The surface of each borehole was returned to its original finish. A summary table of the borehole coordinate locations is provided in Table 1.

### **3.2.3 Groundwater Investigation**

On July 30 and 31, 2020, grab groundwater samples were collected from 8 of the 27 borings (B1, B4, B6, B9, B12, B14, B16, and B17). Boring locations are depicted on Figure 2. Groundwater was encountered during this investigation at depths ranging between 6.5 feet and 9 feet bgs. Each grab groundwater sample was collected by utilizing a Hydropunch® sampling device. The Hydropunch® sampling tool consisted of an approximately 2-inch diameter hollow steel rod equipped with an inner 4-foot long, 0.010-inch screened, steel rod. The sampler was fitted with an expendable drive point at the bottom. The Hydropunch® sampling tool was advanced to the desired depth and the outer hollow steel rod was withdrawn 4-feet to expose the screen. Disposable tubing was then lowered through the hollow steel rods in the water column and extracted through the tubing with a peristaltic pump to bring the groundwater samples to the surface. The groundwater samples were retained in laboratory supplied containers, clearly marked with sample identification, placed in an ice-cooled chest for temporary storage, and transported to Jones for chemical analysis. Chain-of-custody protocol was followed throughout all phases of the sample handling process.

### **3.2.4 Soil Laboratory Analyses**

Soil samples were analyzed for total petroleum hydrocarbons (TPH) in the gasoline range (GRO), diesel range (DRO), and oil range (ORO) by Environmental Protection Agency (EPA) Method 8015M and California Code of Regulations, and Title 22, Article 11 metals (CAM 17 metals) by EPA Methods 6010B/7471A.

The soil samples collected at 0.5 feet bgs were also analyzed for organochlorine pesticides (OCPs) by EPA Method 8081 and polychlorinated biphenyls (PCBs) by EPA Method 8082. Select soil samples, based on field observations, were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B, using EPA Method 5035 sample preservation protocols. Soil samples with detected concentrations of total TPH above 1,000 milligrams per kilogram (mg/kg) were analyzed for polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270SIM.

Soil samples with barium, chromium, copper, and lead exceeding waste characterization criteria as defined in California Code of Regulations, Title 22, Chapter 11, Article 3, were analyzed for soluble barium, chromium, copper, and lead using the soluble threshold limit concentration (STLC) waste extraction test (WET) by EPA Method 6010B and leachable lead was analyzed using the toxicity characteristic leaching procedure (TCLP) test by EPA Method 1311.

In addition, the soil sample with the highest total chromium concentration, HA8-2.5, was analyzed for hexavalent chromium by EPA Method 7199.

### **3.2.5 Groundwater Laboratory Analyses**

Groundwater samples were analyzed for GRO, DRO, and ORO by EPA Method 8015B, Title 22 Metals by EPA Method 6010B/7471A, VOCs by EPA Method 8260B, and PAHs by EPA Method 8270SIM.

## 4.0 INVESTIGATIVE RESULTS

### 4.1 Geologic and Hydrogeologic Conditions

The Site is located within the Los Angeles Coastal Plain (California Department of Water Resources [CDWR], 1961) of the Peninsular Ranges geomorphic province of southern California (Norris and Webb, 1990), approximately 17 miles south of downtown Los Angeles. The Los Angeles Coastal Plain is a deep structural trough that has been filled primarily with unconsolidated Miocene through Recent age sediments or alluvium that are underlain by earlier Cenozoic bedrock. The Los Angeles Coastal Plain is bounded on the north by the Santa Monica Mountains; on the northeast by the low-lying Elysian, Repetto, Merced, and Puente Hills; on the east and southeast by the Santa Ana Mountains and San Joaquin Hills; on the south by the Palos Verdes Hills and the Pacific Ocean; and on the west by the Pacific Ocean (CDWR, 1961).

The Los Angeles Coastal Plain has been spatially divided by the CDWR into four groundwater basins (West Coast Basin, Central Basin, Santa Monica Basin, and Hollywood Basin) based on the hydrogeologic characteristics of the underlying strata and the locations of bounding geologic structures such as non-water-bearing rock and/or faults that impede groundwater movement. The Site is located within the West Coast Basin, west of the Central Basin and south of the Santa Monica and Hollywood groundwater Basins. The West Coast Basin is bordered on the east by the Newport-Inglewood Fault; on the west by Santa Monica Bay; on the north by the Ballona Gap (north of the Los Angeles International Airport), and on the south by the Palos Verdes Hills.

Based on lateral distribution and varying hydrogeologic characteristics, five major aquifers have been identified in the geologic formations underlying the West Coast Basin (CDWR, 1961). 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 Gaspar and semiperched 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 shallow aquifers (Gage, Gaspar, and semiperched) are not currently used for drinking water purposes due to low yield and/or generally poor quality.

Soils encountered during the investigation consisted primarily of gravel and silt in the shallow soil (less than 2.5 feet bgs) and sand with varying amounts of silt in

the deeper soil (greater than 2.5 feet bgs). Stained or odorous soil was not encountered in any of the borings with the exception of B17. An approximately 1-inch thick layer of black tar was encountered in boring B17 at approximately 2.5 feet bgs.

Groundwater was encountered at depths between 6.5 and 9 feet bgs across the Site. The direction of groundwater flow is anticipated to be south-southeast towards the harbor and is expected to be tidally influenced.

#### 4.2 **Analytical Results for Soil Samples**

The soil sample analytical results were compared to the following screening criteria:

- EPA Industrial Regional Screening Levels (RSLs) and DTSC Office of Human and Ecological Risk (HERO) Note Number 3 values (DTSC-SL) in an industrial setting for TPH, metals (except arsenic), PAHs, PCBs, and VOCs;
- The DTSC Southern California Background concentration of 12 milligrams per kilogram (mg/kg) for arsenic; and
- California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Characteristics of Hazardous Waste.

The laboratory reports are included in Appendix C. The analytical results for soil samples are summarized in Tables 2 through 4 and as follows:

- **GRO** was not detected above the laboratory reporting limit in any of the soil samples analyzed during this investigation.
- **DRO** was detected in 46 of the 101 of the soil samples analyzed at concentrations ranging from 15.5 mg/kg in boring B13 at 2.5 feet bgs to 14,200 mg/kg in boring B17 at 2.5 feet bgs. Three soil samples, B17-2.5, B1-5, and B18-2.5, had DRO concentrations exceeding the industrial RSL of 440 mg/kg (Figure 3).
- **ORO** was detected in 46 of the 101 soil samples analyzed at concentrations ranging from 110 mg/kg in boring HA5 at 2.5 feet bgs to 23,100 mg/kg in boring B17 at 2.5 feet bgs. One soil sample, B17 at 2.5 feet bgs, had an ORO concentration that exceeded the industrial RSL of 18,000 mg/kg (Figure 3).

- **Title 22 Metals** were detected in all of the soil samples analyzed with the exception of beryllium, selenium, and silver. Metals in soil at concentrations exceeding their respective industrial screening levels were not detected during this investigation. Based on the initial total chromium result of 77.9 mg/kg, soil sample HA8-2.5 was also analyzed for hexavalent chromium. Hexavalent chromium was detected in soil sample HA8-2.5 at a concentration of 1.3 mg/kg, which is below the industrial screening level.

Soil samples containing total barium, chromium, copper, and lead at concentrations above 10 times the STLC and 20 times the TCLP were analyzed using the STLC and TCLP waste extraction tests. The results of these analyses are shown on Figure 4 and summarized below:

- **Barium STLC** was analyzed in one soil sample with a resulting concentration of 5.30 milligrams per liter (mg/L) in boring B12 at 2.5 feet bgs, which does not exceed the barium STLC threshold of 100 mg/L.
- **Chromium STLC** was analyzed in one soil sample with a resulting concentration of 2.1 milligrams per liter (mg/L) in boring HA8 at 2.5 feet bgs, which does not exceed the chromium STLC threshold of 5 mg/L.
- **Copper STLC** was analyzed in one soil sample with a resulting concentration of 5.00 milligrams per liter (mg/L) in boring B15 at 0.5 feet bgs, which does not exceed the copper STLC threshold of 25 mg/L.
- **Lead STLC** was analyzed in four soil samples with resulting concentrations of 0.170 mg/L in boring HA9 at 2.5 feet bgs, 3.40 mg/L in borings B9 at 2.5 feet bgs and B15 at 0.5 feet bgs, and 20.3 mg/L in boring HA8 at 2.5 feet bgs. One sample, HA8 at 2.5 feet bgs, exceeded the lead STLC threshold of 5 mg/L.
- **Lead TCLP** was analyzed in one soil sample from boring HA8 at 2.5 feet bgs. Lead was detected above the laboratory reporting limit.
- **VOCs** – Benzene, trichloroethene (TCE), and 1,1,2-trichloroethane (1,1,2-TCA) were the only VOCs detected in the 41 soil samples analyzed during this investigation. Benzene was detected in one of the 41 soil samples (B10 at 0.5 feet bgs) at a concentration of 1.1 micrograms per kilogram (µg/kg), which is below the benzene DTSC-SL of 1,400 µg/kg. TCE was detected in two of the 41 soil samples at concentrations of 1.2 µg/kg in sample B13 at 5 feet bgs and

2.7 µg/kg in sample HA6 at 5 feet bgs, which are below the TCE industrial RSL screening value of 600 µg/kg. 1,1,2-TCA was detected in one of the 41 soil samples (HA6 at 5 feet bgs) at a concentration of 13.9 µg/kg, which is below the 1,1,2-TCE industrial RSL of 500 µg/kg.

- **PAHs** – Sixteen (16) PAHs were detected in 19 of the 30 soil samples analyzed during this investigation. All of the detected PAHs were below their respective industrial RSLs and/or DTSC-SLs.
- **PCBs** – Aroclor 1260 was the only PCB detected in two of the 27 soil samples analyzed. Aroclor 1260 was detected at concentrations of 68.4 µg/kg in sample B13 at 0.5 feet bgs and 171 µg/kg in sample HA6 at 0.5 feet bgs. The detected concentrations of Aroclor 1260 did not exceed the DTSC-SL of 600 µg/kg.
- **OCPs** – Dieldrin and 4,4-DDE were the only OCPs detected in two of the 27 soil samples analyzed. Dieldrin was detected at a concentration of 16.2 µg/kg in sample B4 at 0.5 feet bgs. The detected concentration of dieldrin did not exceed the DTSC-SL of 93 µg/kg. 4,4-DDE was detected at a concentration of 16.1 µg/kg in sample B10 at 0.5 feet bgs. The detected concentration of 4,4-DDE did not exceed the industrial RSL of 9,300 µg/kg.

#### 4.3 Analytical Results for Groundwater Samples

Results of the chemical analyses of the groundwater samples were compared to the California Maximum Contaminant Levels (MCLs).

The laboratory reports are included in Appendix C. The analytical results for groundwater samples are summarized in Tables 5 and 6 and as follows:

- **GRO** was not detected above the laboratory reporting limit in any of the groundwater samples analyzed during this investigation.
- **DRO** was not detected above the laboratory reporting limit in any of the groundwater samples analyzed during this investigation.
- **ORO** was not detected above the laboratory reporting limit in any of the groundwater samples analyzed during this investigation.

- **Title 22 Metals** were detected in all of the groundwater samples analyzed during this investigation with the exception of antimony, beryllium, cadmium, silver, and thallium. The maximum concentrations detected were as follows:

Metal	Concentration	MCL	Boring
Arsenic	<b>61 µg/L</b>	10 µg/L	B12-GW
Barium	256 µg/L	1,000 µg/L	B1-GW
Chromium	<b>55 µg/L</b>	50 µg/L	B17-GW
Cobalt	29 µg/L	--	B4-GW
Copper	167 µg/L	1,300 µg/L	B4-GW
Lead	<b>72 µg/L</b>	15 µg/L	B4-GW
Mercury	0.42 µg/L	2 µg/L	B1-GW
Molybdenum	151 µg/L	--	B16-GW
Nickel	41 µg/L	100 µg/L	B4-GW
Selenium	<b>80 µg/L</b>	50 µg/L	B14-GW
Vanadium	61 µg/L	--	B12-GW
Zinc	605 µg/L	--	B17-GW

Note: Bold concentrations exceed MCL screening criteria.

Arsenic was detected in one of the eight groundwater samples analyzed at a concentration of 61 µg/L in sample B12-GW (Figure 5). This concentration exceeded the MCL screening criteria of 10 µg/L for arsenic in groundwater.

Chromium was detected in three of the eight groundwater samples analyzed at concentrations of 31 µg/L in B4-GW, 43 µg/L in B12-GW, and 55 µg/L in B17-GW (Figure 5). The concentration of 55 µg/L in sample B17-GW exceeded the MCL screening criteria of 50 µg/L for chromium in groundwater.

Lead was detected in three of the eight groundwater samples analyzed at concentrations of 72 µg/L in B4-GW, 21 µg/L in B12-GW, and 41 µg/L in B17-GW (Figure 5). These concentrations exceeded the MCL screening criteria of 15 µg/L for lead in groundwater.

Selenium was detected in two of the eight groundwater samples analyzed at concentrations of 71 µg/L in B9-GW and 80 µg/L in B14-GW (Figure 5). These concentrations exceeded the MCL screening criteria of 50 µg/L for selenium in groundwater.

- **VOCs** were detected in three of the eight groundwater samples analyzed during this investigation. Twelve VOC chemicals were detected with maximum concentrations as follows:

VOC	Concentration	MCL	Boring
Benzene	1.0 µg/L	1 µg/L	B16-GW
Chloroform	1.5 µg/L	80 µg/L	B16-GW
1,2-Dichlorobenzene	1.6 µg/L	600 µg/L	B16-GW
1,4-Dichlorobenzene	0.6 µg/L	5 µg/L	B16-GW
1,1-Dichloroethane	2.4 µg/L	5 µg/L	B16-GW
1,1-Dichloroethene	0.6 µg/L	6 µg/L	B16-GW
cis-1,2-Dichloroethene	2.6 µg/L	6 µg/L	B16-GW
trans-1,2-Dichloroethene	0.6 µg/L	10 µg/L	B16-GW
Tetrachloroethene	1.9 µg/L	5 µg/L	B16-GW
1,1,2-TCA	<b>164 µg/L</b>	5 µg/L	B16-GW
TCE	<b>16.6 µg/L</b>	5 µg/L	B16-GW
Vinyl Chloride	<b>60.7 µg/L</b>	0.5 µg/L	B16-GW

Note: Bold concentrations exceed ESL screening criteria.

1,1,2-TCA was detected in one of the eight groundwater samples analyzed at a concentration of 164 µg/L in B16-GW. This concentration exceeded the MCL screening criteria of 5 µg/L for 1,1,2-TCA in groundwater (Figure 6).

TCE was detected in two of the eight groundwater samples analyzed at concentrations of 2.7 µg/L in B1-GW and 16.6 µg/L in B16-GW. The concentration of 16.6 µg/L in sample B16-GW exceeded the MCL screening criteria of 5 µg/L for TCE in groundwater (Figure 6).

Vinyl chloride was detected in one of the eight groundwater samples analyzed at a concentration of 60.7 µg/L in B16-GW. This concentration exceeded the MCL screening criteria of 0.5 µg/L for vinyl chloride in groundwater (Figure 6).

- **PAHs** were not detected above the laboratory reporting limits in the groundwater samples analyzed during this investigation.

## 5.0 SUMMARY AND CONCLUSIONS

The purpose of this site assessment was to establish an environmental baseline for seven parcels operated by Fast Lane to screen for the potential presence of hazardous substances in soil and groundwater prior to the Harbor Department's issuance of a new lease permit. On July 29 through 31, 2020, 27 soil borings were advanced, and 101 soil and eight groundwater samples were collected from the Site. Results were compared to industrial RSLs and DTSC-SLs, MCLs, and hazardous waste screening criteria.

### 5.1 Parcel #1

Five borings, B4 through B7 and B17, were advanced on Parcel #1. Twenty soil samples and three groundwater samples were collected. DRO and ORO exceeded their respective industrial screening levels in soil from boring B17 at 2.5 feet bgs, which corresponded to the black tar observed in this boring. No other exceedances were detected in the soil samples analyzed on Parcel #1.

Chromium exceeded the MCL in groundwater collected from B17. Lead exceeded the MCL in groundwater collected from B4 and B17. No other exceedances were detected in groundwater samples analyzed on Parcel #1.

### 5.2 Parcel #2

Three borings, B1 through B3, were advanced on Parcel #2. Fourteen soil samples and one groundwater sample were collected. DRO exceeded the industrial screening level in soil from boring B1 at 5 feet bgs. No other exceedances were detected in the soil samples analyzed on Parcel #2.

MCL exceedances were not detected in the groundwater sample analyzed on Parcel #2.

### 5.3 Parcel #3A/3B

Three borings, HA1 through HA3, were advanced on Parcel #3A and two borings, HA4 and HA5, were advanced on Parcel #3B. Fifteen soil samples were collected. Groundwater was not sampled due to access constraints. Industrial screening level exceedances were not detected in the soil samples analyzed on Parcel #3A and Parcel #3B.

#### **5.4 Parcel #4A/4B**

Three borings, B8 through B10, were advanced on Parcel #4A and three borings, B11, B12, and B18, were advanced on Parcel #4B. Twenty-four soil samples and two groundwater samples were collected. DRO exceeded the industrial screening level in soil from boring B18 at 2.5 feet bgs (Parcel #4B). No other exceedances were detected in the soil samples analyzed on Parcel #4A and Parcel #4B.

Selenium exceeded the MCL in groundwater collected from B9 (Parcel #4A). Arsenic and lead exceeded their respective MCLs in groundwater collected from B12 (Parcel #4B). No other exceedances were detected in groundwater samples analyzed on Parcel #4A and Parcel #4B.

#### **5.5 Parcel #5**

Two borings, B13 and B14, were advanced on Parcel #5. Seven soil samples and one groundwater sample were collected. Industrial screening level exceedances were not detected in the soil samples analyzed on Parcel #5.

Selenium exceeded the MCL in groundwater collected from B14. No other exceedances were detected in the groundwater sample analyzed on Parcel #5.

#### **5.6 Parcel #6**

Four borings, B15, B16, HA6, and HA7, were advanced on Parcel #6. Fourteen soil samples and one groundwater sample were collected. Industrial screening level exceedances were not detected in the soil samples analyzed on Parcel #6.

1,1,2-TCA, TCE, and vinyl chloride exceeded the MCL in groundwater collected from B16. No other exceedances were detected in the groundwater sample analyzed on Parcel #6.

#### **5.7 Parcel #7**

Two borings, HA8 and HA9, were advanced on Parcel #7. Six soil samples were collected. Groundwater was not sampled due to access constraints. Soluble lead exceeding the California hazardous waste criteria was detected in soil from boring HA8 at 2.5 feet bgs. Industrial screening level exceedances were not detected in the soil samples analyzed on Parcel #7.

## 5.8 **Conclusions**

DRO was detected above the industrial RSL of 440 mg/kg in three of the 101 soil samples analyzed during this investigation. These soil samples include B17 at 2.5 feet bgs located on Parcel #1, which corresponded to the black tar observed in this boring, B1 at 5 feet bgs located at Parcel #2, and B18 at 2.5 feet bgs located on Parcel #4A.

ORO was detected above the industrial DTSC-SL of 18,000 mg/kg in one of the 101 soil samples analyzed during this investigation. This soil sample, B17 at 2.5 feet bgs, is located on Parcel #1, and corresponded to the black tar observed in this boring.

GRO, VOCs, PAHs, PCBs, and OCPs were not detected in the soil samples analyzed during this investigation at concentrations exceeding their respective industrial screening levels.

Soil in the vicinity of boring HA8, which is located on Parcel #7, may be classified as non-RCRA hazardous waste (California hazardous) if removed from the Site. This location is adjacent to a major thoroughfare (Highway 103) and may be the result of aerially deposited lead from vehicle exhaust or the presence of lead-impacted crush miscellaneous base (CMB). If soil removal is to take place at this location during future development activities, additional soil waste characterization may be warranted.

GRO, DRO, ORO, and PAHs were not detected above the laboratory reporting limits in any of the groundwater samples analyzed during this investigation.

Elevated levels of arsenic, chromium, lead, and selenium were detected in groundwater samples collected from borings B4, B9, B12, B14, and B17 and VOCs 1,1,2-TCA, TCE, and vinyl chloride from B16 at concentrations exceeding their respective MCLs and are located on Parcels #1, #4A, #4B, #5, and #6. Since the groundwater beneath the Site is not likely to be used for drinking water, which is supplied by the City of Los Angeles Department of Water and Power, and direct contact with groundwater beneath the Site is unlikely, these elevated concentrations of metals and VOCs in groundwater should not pose a risk to future commercial/industrial occupants of the Site.

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



## 6.0 LIMITATIONS

This investigation was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the activities described herein, and are limited to the portion of the Site investigated. Opinions presented herein apply to property conditions existing at the time of our study and cannot necessarily be taken to apply to property conditions outside of the area investigated or changes that we are not aware of or have not had the opportunity to evaluate. It must be recognized that conclusions drawn from these data are limited to the portion of the Site investigated, and the amount, type, distribution, and integrity of the information collected at the time of the investigation, and the methods utilized to collect and evaluate the data. Although Leighton has taken steps to obtain true copies of available information, we make no representation or warranty with respect to the accuracy or completeness of the information provided by others.

## 7.0 REFERENCES

California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Characteristics of Hazardous Waste.

California Department of Water Resources (CDWR), 1961, Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County, Bulletin No. 104.

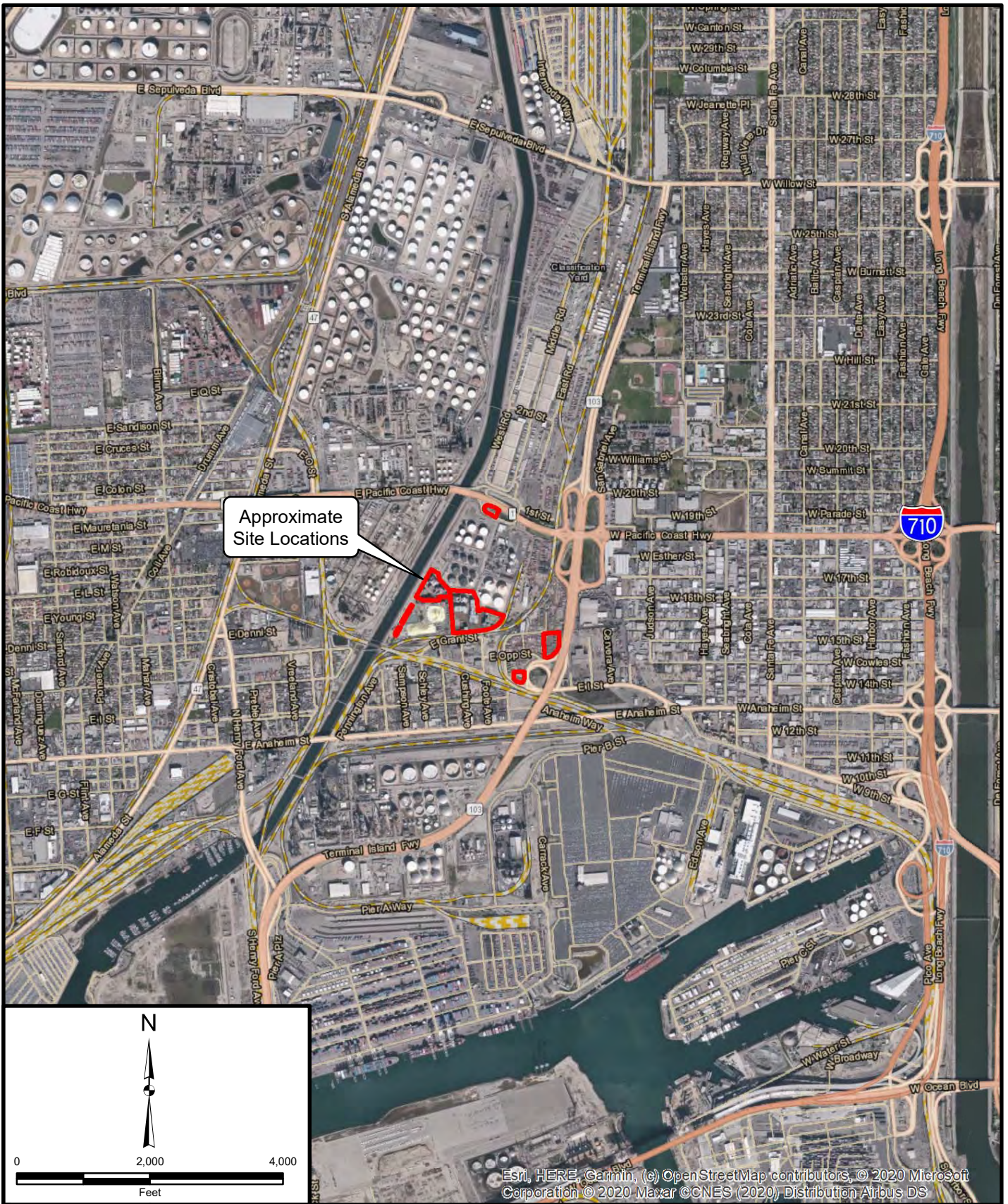
Department of Toxic Substance Control, Determination of a Southern California Regional Background Arsenic Concentration in Soil, 2008.

Department of Toxic Substances Control, Human and Ecological Risk Office, Human Health Risk Assessment Note Number: 3, DTSC-modified Screening Levels, June 2020.

Norris and Webb, Geology of California and Geologic Map of California, 1990.

State Water Resources Control Board, California Maximum Contaminant Levels, updated October 2018.

United States Environmental Protection Agency, 2020, Industrial Regional Screening Levels, May 2020.



Project: 12736.004

Eng/Geol: BFM

Scale: 1" = 2,000'

Date: August 2020

Base Map: ESRI ArcGIS Online 2020

Thematic Information: Leighton

Author: Leighton Geomatics (btran)

## SITE LOCATION MAP

Fast Lane Parcels  
Wilmington, California

Figure 1

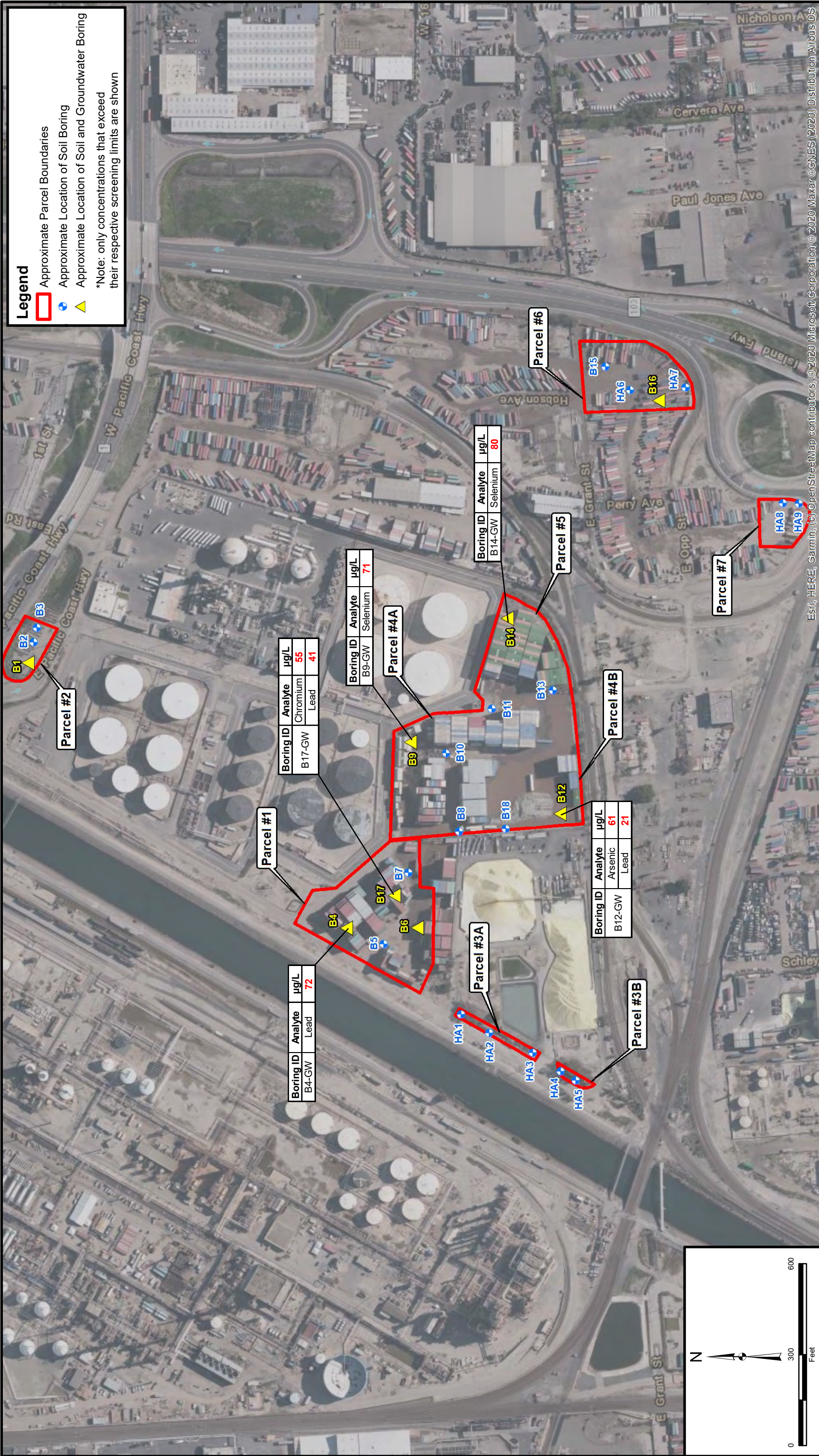


Leighton



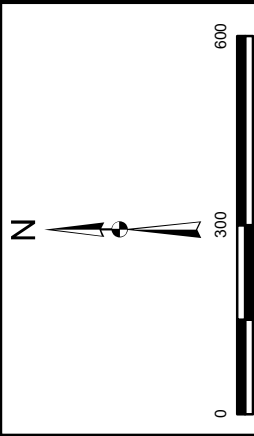






# METALS IN GROUNDWATER

Fast Lane Parcels  
Wilmington, California



Project: 12736.004	Eng/Geol: BFM
Scale: 1" = 300'	Date: September 2020
Base Map: ESRI/ArcGIS Online 2020	
Thematic Information: Leighton	
Author: Leighton Geomatics (btran)	

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Figure 6

VOCs in Groundwater

Fast Lane Parcels

Wilmington, California

Project: 12736.004

Eng/Geol: BFM

Scale: 1" = 303'

Date: September 2020

Base Map: ESRI ArcGIS Online 2020

Thematic Information: Leighton

Author: Leighton Geomatics (btran)

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**TABLE 1**  
Boring Coordinates  
Fast Lane Parcels, Wilmington, California

Location	Boring ID	X Value, North (Latitude)	Y Value, West (Longitude)
Parcel #1	B4	33.78800149	-118.23231039
	B5	33.78765777	-118.23247873
	B6	33.78735774	-118.23230226
	B7	33.78743856	-118.23170754
	B17	33.78756689	-118.23195058
Parcel #2	B1	34.42481390	-118.22943580
	B2	33.79083337	-118.22921045
	B3	33.79080750	-118.22905240
Parcel #3A	HA1	33.78695898	-118.23324441
	HA2	33.78670565	-118.23344703
	HA3	33.78631031	-118.23365739
Parcel #3B	HA4	33.78605686	-118.23385730
	HA5	33.78592128	-118.23395826
Parcel #4A/4B	B8	33.78697696	-118.23126012
	B9	33.78742428	-118.23028994
	B10	33.78709835	-118.23040572
	B11	33.78668662	-118.22992185
	B12	33.78606968	-118.23106058
	B18	33.78656267	-118.23123055
Parcel #5	B13	33.78613444	-118.22972273
	B14	33.78655241	-118.22893651
Parcel #6	B15	33.78566563	-118.22620777
	B16	33.78518517	-118.22656955
	HA6	33.78544053	-118.22645640
	HA7	33.78493687	-118.22642986
Parcel #7	HA8	33.78405738	-118.22768191
	HA9	33.78391530	-118.22768834

**TABLE 2**  
Soil Analytical Results for Title 22 Metals  
Fast Lane Parcels, Wilmington, California

Parcel ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Title 22 Metals by EPA Method 6010B/7471A																								
				Antimony	Arsenic	Barium	Barium STLC	Beryllium	Cadmium	Chromium	Chromium STLC	Hexavalent* Chromium	Cobalt	Copper	Copper STLC	Lead	Lead STLC	Lead TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc		
SCREENING CRITERIA																												
	USEPA RSL Industrial Soil			470	3.0	220,000	--	2,300	980	--	--	6.3	350	47,000	--	800	--	46	5,800	22,000	5,800	5,800	12	5,800	350,000			
	DTSC-SI Industrial Soil			--	0.36	--	--	230	780	--	--	6.2	--	--	--	320	--	4.4	--	11,000	--	--	--	--	--			
	DTSC Background Arsenic 2008**			--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
	HAZARDOUS WASTE CRITERIA																											
	Parcel #1	STLC (mg/L)			15	5	100	100	0.75	1	560	5	--	80	25	25	5	5	0.2	350	20	1	5	5	7	24	250	
TCLP (mg/L)			--	5	100	--	--	1	5	--	--	--	--	--	5	--	0.2	--	--	1	5	--	--	--				
B4-0.5		0.5	7/30/2020	<5.0	<5.0	174	--	<0.5	1.9	39.2	--	--	8.6	77.9	--	30.4	--	0.124	2.4	21.0	<5.0	<0.5	<0.5	<5.0	35.2	90.2		
B4-2.5		2.5	7/30/2020	<5.0	<5.0	74.4	--	<0.5	1.5	13.0	--	--	7.4	11.4	--	2.4	--	0.053	0.6	10.2	<5.0	<0.5	<0.5	<5.0	24.2	39.1		
B4-5		5.0	7/30/2020	<5.0	<5.0	74.7	--	<0.5	1.4	12.8	--	--	7.3	12.2	--	4.4	--	0.035	0.7	11.2	<5.0	<0.5	<0.5	<5.0	24.2	42.7		
B4-6		6.0	7/30/2020	<5.0	<5.0	73.7	--	<0.5	1.2	11.5	--	--	6.4	12.0	--	2.0	--	0.023	0.8	9.1	<5.0	<0.5	<0.5	<5.0	23.0	31.0		
B5-0.5		0.5	7/30/2020	<5.0	<5.0	145	--	<0.5	1.7	18.9	--	--	8.2	27.0	--	17.5	--	0.129	0.8	18.7	<5.0	<0.5	<0.5	<5.0	36.1	65.6		
B5-2.5		2.5	7/30/2020	<5.0	<5.0	60.0	--	<0.5	1.2	11.3	--	--	6.2	8.1	--	2.1	--	0.041	0.6	8.4	<5.0	<0.5	<0.5	<5.0	21.4	31.5		
B5-5		5.0	7/30/2020	<5.0	<5.0	111	--	<0.5	2.0	19.6	--	--	10.9	17.2	--	5.0	--	0.062	0.8	15.8	<5.0	<0.5	<0.5	<5.0	35.3	59.3		
B5-6		6.0	7/30/2020	<5.0	<5.0	81.0	--	<0.5	1.4	15.6	--	--	7.1	12.5	--	9.7	--	0.127	0.9	11.5	<5.0	<0.5	<0.5	<5.0	25.5	51.0		
B6-0.5		0.5	7/30/2020	<5.0	<5.0	88.6	--	<0.5	2.1	17.6	--	--	8.0	17.4	--	23.4	--	0.029	0.6	20.0	<5.0	<0.5	<0.5	<5.0	31.5	262		
B6-2.5		2.5	7/30/2020	<5.0	<5.0	82.9	--	<0.5	1.6	14.2	--	--	8.8	11.6	--	2.2	--	0.075	0.5	11.5	<5.0	<0.5	<0.5	<5.0	27.3	44.6		
B6-5		5.0	7/30/2020	<5.0	<5.0	109	--	<0.5	1.8	19.4	--	--	10.8	23.0	--	5.0	--	0.043	<0.5	16.1	<5.0	<0.5	<0.5	<5.0	35.5	49.4		
B6-7.5		7.5	7/30/2020	<5.0	<5.0	74	--	<0.5	1.4	12.0	--	--	7.9	13.4	--	2.5	--	0.029	0.6	10.4	<5.0	<0.5	<0.5	<5.0	27.0	35.8		
B7-0.5		0.5	7/30/2020	<5.0	<5.0	134	--	<0.5	1.8	18.1	--	--	8.6	18.0	--	18.9	--	0.110	0.9	19.2	<5.0	<0.5	<0.5	<5.0	32.7	67.8		
B7-2.5		2.5	7/30/2020	<5.0	<5.0	1.2	--	<0.5	2.0	20.6	--	--	9.2	22.3	--	25.7	--	0.117	1.3	21.0	<5.0	<0.5	<0.5	<5.0	36.0	71.8		
B7-5		5.0	7/30/2020	<5.0	<5.0	59.4	--	<0.5	1.2	10.7	--	--	6.0	7.2	--	1.6	--	0.030	0.6	7.9	<5.0	<0.5	<0.5	<5.0	19.7	30.2		
Parcel #2	B7-7	7.0	7/30/2020	32.6	<5.0	84.7	--	<0.5	1.7	16.0	--	--	9.2	15.6	--	3.4	--	0.590	<0.5	12.7	<5.0	<0.5	<0.5	<5.0	<5.0	48.9		
	B17-0.5	0.5	7/30/2020	<5.0	<5.0	97.4	--	<0.5	1.6	22.0	--	--	7.6	22.7	--	32.6	--	<0.020	0.9	20.7	<5.0	<0.5	<0.5	<5.0	36.1	151		
	B17-2.5	2.5	7/30/2020	<5.0	<5.0	95.7	--	<0.5	1.5	20.2	--	--	7.9	31.8	--	34.2	--	0.096	1.0	26.4	<5.0	<0.5	<0.5	<5.0	32.2	117		
	B17-5	5.0	7/30/2020	<5.0	<5.0	56.3	--	<0.5	1.0	10.5	--	--	5.4	7.6	--	2.8	--	0.053	<0.5	8.5	<5.0	<0.5	<0.5	<5.0	18.4	31.1		
	B17-7.5	7.5	7/30/2020	<5.0	<5.0	47.0	--	<0.5	0.8	9.0	--	--	4.8	5.6	--	1.6	--	0.039	0.6	6.9	<5.0	<0.5	<0.5	<5.0	15.6	27.2		
	B1-0.5	0.5	7/30/2020	<5.0	<5.0	78.0	--	<0.5	1.4	15.4	--	--	7.4	18.5	--	32.1	--	0.051	1.0	13.4	<5.0	<0.5	<0.5	<5.0	31.2	69.0		
	B1-2.5	2.5	7/30/2020	<5.0	<5.0	210	--	<0.5	1.4	16.8	--	--	7.5	15.7	--	10.3	--	0.047	0.6	16.4	<5.0	<0.5	<0.5	<5.0	26.7	91.7		
	B1-5	5	7/30/2020	<5.0	<5.0	858	--	<0.5	1.7	17.5	--	--	7.2	54.3	--	13.2	--	0.061	1.3	25.2	<5.0	<0.5	<0.5	<5.0	35.9	336		
	B1-10	10	7/30/2020	<5.0	<5.0	186	--	<0.5	1.1	9.4	--	--	5.7	9.9	--	1.8	--	0.033	0.7	7.7	<5.0	<0.5	<0.5	<5.0	21.6	72.9		
	B2-0.5	0.5	7/30/2020	<5.0	<5.0	193	--	<0.5	1.2	12.2	--	--	6.5	11.8	--	3.3	--	0.029	0.5	9.2	<5.0	<0.5	<0.5	<5.0	23.1	75.4		
	B2-2.5	2.5	7/30/2020	<5.0	<5.0	70.3	--	<0.5	1.3	14.1	--	--	8.2	13.9	--	4.3	--	0.329	0.6	10.6	<5.0	<0.5	<0.5	<5.0	24.8	31.1		
	B2-5	5.0	7/30/2020	<5.0	<5.0	111	--	<0.5	1.7	16.2	--	--	9.4	16.5	--	3.4	--	0.078	0.6	14.4	<5.0	<0.5	<0.5	<5.0	34.2	51.8		
	B2-8.5	8.5	7/30/2020	<5.0	<5.0	119	--	<0.5	1.7	17.6	--	--	10.3	17.6	--	3.7	--	0.049	<0.5	15.1	<5.0	<0.5	<0.5	<5.0	34.6	47.9		
	B2-10	10	7/30/2020	<5.0	<5.0	71.5	--	<0.5	1.1	10.5	--	--	6.3	10.5	--	1.5	--	0.038	1.0	9.2	<5.0	<0.5	<0.5	<5.0	21.1	27.1		
	B3-0.5	0.5	7/30/2020	<5.0	<5.0	102	--	<0.5	1.7	17.7	--	--	9.8	17.7	--	6.7	--	0.033	<0.5	13.1	<5.0	<0.5	<0.5	<5.0	33.9	39.3		
	B3-2.5	2.5	7/30/2020	<5.0	<5.0	73.7	--	<0.5	1.3	13.4	--	--	6.9	12.2	--	5.1	--	0.021	<0.5	9.0	<5.0	<0.5	<0.5	<5.0	25.4	27.4		
	B3-5	5.0	7/30/2020	<5.0	<5.0	94.0	--	<0.5	3.8	23.5	--	--	10.4	31.8	--	9.4	--	0.058	<0.5	26.4	<5.0	<0.5	<0.5	<5.0	38.7	58.6		
B3-8.5	8.5	7/30/2020	<5.0	<5.0	128	--	<0.5	1.9	18.2	--	--	10.7	23.9	--	3.7	--	0.079	<0.5	15.9	<5.0	<0.5	<0.5	<5.0	35.1	50.6			
B3-10	10	7/30/2020	<5.0	<5.0	104	--	<0.5	1.6	15.5	--	--	9.0	17.4	--	2.4	--	0.072	0.5	13.1	<5.0	<0.5	<0.5	<5.0	29.8	42.4			
Parcel #3A	HA1-0.5	0.5	7/29/2020	<5.0	<5.0	101	--	<0.5	1.8	12.9	--	--	3.9	11.3	--	11.2	--	0.049	1.5	3.1	<5.0	<0.5	<0.5	<5.0	36.6	19.6		
	HA1-2.5	2.5	7/29/2020	<5.0	<5.0	111	--	<0.5	1.7	17.3	--	--	9.5	16.0	--	11.4	--	0.069	0.9	17.2	<5.0	<0.5	<0.5	<5.0	33.2	60.4		
	HA1-5	5.0	7/29/2020	<5.0	<5.0	76.0	--	<0.5	1.6	16.1	--	--	8.6	13.5	--	3.0	--	0.053	<0.5	12.6	<5.0	<0.5	<0.5	<5.0	28.8	44.6		
	HA2-0.5	0.5	7/29/2020	<5.0	<5.0	78.9	--	<0.5	1.4	14.2	--	--	7.2	13.1	--	6.2	--	0.059	0.6	11.6	<5.0	<0.5	<0.5	<5.0	24.3	44.3		
	HA2-2.5	2.5	7/29/2020	<5.0	<5.0	43.6	--	<0.5	0.8	8.3	--	--	4.5	5.4	--	1.6	--	0.064	0.7	6.2	<5.0	<0.5	<0.5	<5.0	14.7	25.3		
	HA2-5	5.0	7/29/2020	<5.0	<5.0	42.5	--	<0.5	0.8	8.2	--	--	4.4	5.3	--	1.7	--	0.037	<0.5	6.3	<5.0	<0.5	<0.5	<5.0	14.2	26.4		
	HA3-0.5	0.5	7/29/2020	<5.0	<5.0	86.2	--	<0.5	1.4	8.9	--	--	2.7	5.7	--	11.5	--	0.065	5.9	4.0	<5.0	<0.5	<0.5	<5.0	18.4	13.9		
	HA3-2.5	2.5	7/29/2020	<5.0	<5.0	69.2	--	<0.5	1.2	11.6	--	--	6.5	7.8	--	1.7	--	0.039	0.5	9.1	<5.0	<0.5	<0.5	<5.0	20.1	36.3		
	HA3-5	5.0	7/29/2020	<5.0	<5.0	76.0	--	<0.5	1.4	14.3	--	--	7.6	12.5	--	2.8	--	0.036	0.6	11.6	<5.0	<0.5	<0.5	<5.0	25.1	41.5		

**TABLE 2**  
Soil Analytical Results for Title 22 Metals  
Fast Lane Parcels, Wilmington, California

Title 22 Metals by EPA Method 6010B/7471A																												
Parcel ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Antimony	Arsenic	Barium	Barium STLC	Beryllium	Cadmium	Chromium	Chromium STLC	Hexavalent*	Cobalt	Copper	Copper STLC	Lead	Lead STLC	Lead TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc		
				mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
SCREENING CRITERIA																												
USEPA RSL Industrial Soil DTSC-SL Industrial Soil				470	3.0	220,000	--	2,300	980	--	6.3	350	47,000	--	800	--	46	--	--	5,800	22,000	5,800	5,800	12	5,800	350,000		
				--	0.36	--	--	230	780	--	6.2	--	--	--	--	--	--	320	--	--	--	4.4	--	11,000	--	--	--	--
				--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
				DTSC Background Arsenic 2008**																								
HAZARDOUS WASTE CRITERIA																												
Parcel #3B	STLC (mg/L)			15	5	100	100	100	0.75	1	560	5	--	80	25	25	5	5	--	0.2	350	20	1	5	7	24	250	
				TCLP (mg/L)			--	5	--	--	--	--	5	--	--	--	--	--	5	--	5	0.2	--	--	1	5	--	--
	7/29/2020						<5.0	<5.0	104	--	<0.5	1.4	14.7	--	--	7.2	15.6	--	11.3	--	--	0.057	0.7	12.0	<5.0	<0.5	<5.0	54.6
				7/29/2020			<5.0	<5.0	75.2	--	<0.5	1.6	14.4	--	--	8.2	12.0	--	2.3	--	--	0.033	<5.0	12.0	<5.0	<0.5	<5.0	42.8
	7/29/2020						<5.0	<5.0	74.9	--	<0.5	1.4	14.9	--	--	7.7	10.3	--	1.9	--	--	0.035	0.6	11.8	<5.0	<0.5	<5.0	46.1
				7/29/2020			<5.0	<5.0	90.0	--	<0.5	1.4	16.5	--	--	6.7	20.7	--	9.0	--	--	0.065	0.8	10.3	<5.0	<0.5	<5.0	48.5
	7/29/2020						<5.0	<5.0	98.3	--	<0.5	1.6	16.5	--	--	7.2	17.4	--	10.8	--	--	0.057	<0.5	12.8	<5.0	<0.5	<5.0	57.0
				7/29/2020			<5.0	<5.0	60.2	--	<0.5	1.2	11.3	--	--	6.3	8.1	--	1.7	--	--	0.030	0.5	9.0	<5.0	<0.5	<5.0	33.4
	7/30/2020						<5.0	<5.0	139	--	<0.5	1.2	13.1	--	--	5.3	18.0	--	20.7	--	--	0.072	1.3	14.8	<5.0	<0.5	<5.0	58.3
				7/30/2020			<5.0	<5.0	155	--	<0.5	1.6	15.3	--	--	6.9	15.3	--	10.4	--	--	0.046	0.8	13.8	<5.0	<0.5	<5.0	64.6
	7/30/2020						<5.0	<5.0	72.4	--	<0.5	1.4	12.5	--	--	7.5	9.5	--	1.9	--	--	0.033	<0.5	10.5	<5.0	<0.5	<5.0	45.9
				Parcel #4A/4B	7/30/2020			<5.0	12.0	125	--	<0.5	2.9	34.5	--	--	14.0	47.5	--	15.0	--	--	0.237	0.9	23.0	<5.0	<0.5	<5.0
7/31/2020			<5.0					<5.0	82.8	--	<0.5	1.0	16.7	--	--	5.3	14.2	--	39.6	--	--	0.058	0.8	12.6	<5.0	<0.5	<5.0	22.8
			7/31/2020			<5.0	<5.0	95.8	--	<0.5	1.4	17.3	--	--	4.2	20.7	--	83.0	3.40	--	0.190	1.0	13.2	<5.0	<0.5	<5.0	17.5	108
7/31/2020						<5.0	<5.0	72.8	--	<0.5	1.6	13.6	--	--	7.9	11.8	--	6.1	--	--	0.049	0.6	14.0	<5.0	<0.5	<5.0	25.6	43.5
			7/31/2020			<5.0	<5.0	34.3	--	<0.5	0.6	6.6	--	--	3.1	3.8	--	1.4	--	--	0.028	0.8	4.3	<5.0	<0.5	<5.0	10.9	19.3
7/31/2020						<5.0	<5.0	90.2	--	<0.5	1.2	12.8	--	--	5.5	20.5	--	17.9	--	--	0.200	0.9	11.5	<5.0	<0.5	<5.0	22.8	53.6
			7/31/2020			<5.0	<5.0	45.1	--	<0.5	0.8	7.8	--	--	5.2	8.2	--	4.4	--	--	0.044	1.5	15.1	<5.0	<0.5	<5.0	17.6	30.2
7/31/2020						<5.0	<5.0	149	--	<0.5	1.2	13.4	--	--	6.0	12.6	--	13.6	--	--	0.176	0.8	19.2	<5.0	<0.5	<5.0	21.5	52.1
			7/31/2020			<5.0	<5.0	71.0	--	<0.5	1.3	12.1	--	--	7.1	9.9	--	1.8	--	--	0.101	1.2	20.9	<5.0	<0.5	<5.0	29.4	104
7/31/2020						<5.0	<5.0	62.4	--	<0.5	0.8	8.9	--	--	4.0	13.3	--	15.5	--	--	0.064	1.0	9.7	<5.0	<0.5	<5.0	18.3	43.6
			7/31/2020			<5.0	<5.0	60.4	--	<0.5	0.8	7.0	--	--	5.0	11.0	--	5.5	--	--	0.238	0.6	12.5	<5.0	<0.5	<5.0	30.1	33.0
7/31/2020						<5.0	<5.0	74.4	--	<0.5	1.0	9.6	--	--	4.2	10.7	--	5.5	--	--	0.107	0.9	8.0	<5.0	<0.5	<5.0	16.4	31.3
			7/31/2020			<5.0	5.2	72.8	--	<0.5	1.7	19.0	--	--	10.0	20.0	--	5.2	--	--	0.037	<5.0	16.7	<5.0	<0.5	<5.0	36.0	41.3
7/30/2020						<5.0	<5.0	408	--	<0.5	1.6	19.0	--	--	6.7	22.4	--	35.7	--	--	0.101	1.2	20.9	<5.0	<0.5	<5.0	29.4	104
			7/30/2020			<5.0	<5.0	1,330	5.30	<0.5	1.6	15.2	--	--	7.1	14.5	--	16.3	--	--	0.059	1.4	18.8	<5.0	<0.5	<5.0	31.6	53.1
7/30/2020						<5.0	<5.0	53.1	--	<0.5	0.8	8.2	--	--	3.9	4.3	--	1.7	--	--	0.027	0.7	5.4	<5.0	<0.5	<5.0	15.7	22.5
			7/30/2020			<5.0	<5.0	96.0	--	<0.5	0.6	7.9	--	--	3.0	3.3	--	1.3	--	--	0.031	1.3	3.9	<5.0	<0.5	<5.0	12.8	17.2
7/30/2020						<5.0	<5.0	61.0	--	<0.5	0.9	12.8	--	--	4.6	13.7	--	10.7	--	--	<0.020	2.4	13.7	<5.0	<0.5	<5.0	29.5	30.8
			7/30/2020			<5.0	<5.0	112	--	<0.5	1.2	12.9	--	--	7.4	8.9	--	4.4	--	--	0.034	0.9	21.5	<5.0	<0.5	<5.0	31.8	55.0
7/30/2020						<5.0	<5.0	42.5	--	<0.5	0.6	7.5	--	--	3.7	4.0	--	1.0	--	--	0.022	0.5	4.9	<5.0	<0.5	<5.0	12.1	18.6
			7/30/2020			<5.0	<5.0	47.9	--	<0.5	0.9	8.8	--	--	5.1	6.0	--	1.0	--	--	0.026	0.5	6.9	<5.0	<0.5	1.0	15.5	26.6
7/31/2020						<5.0	<5.0	67.9	--	<0.5	0.7	10.0	--	--	3.3	11.8	--	10.5	--	--	0.057	1.0	8.5	<5.0	<0.5	<5.0	15.9	38.0
			7/31/2020			<5.0	<5.0	102	--	<0.5	1.3	16.0	--	--	5.0	19.5	--	18.7	--	--	0.069	1.5	12.8	<5.0	<0.5	<5.0	24.0	65.5
7/31/2020						<5.0	<5.0	62.5	--	<0.5	1.5	15.0	--	--	7.3	13.0	--	4.8	--	--	0.050	1.0	12.3	<5.0	<0.5	<5.0	25.2	39.5
			7/31/2020			<5.0	<5.0	67.9	--	<0.5	1.6	15.1	--	--	8.7	13.5	--	2.6	--	--	0.082	0.8	12.3	<5.0	<0.5	<5.0	25.9	43.4
7/31/2020						<5.0	<5.0	73.0	--	<0.5	1.1	12.3	--	--	5.6	12.3	--	8.7	--	--	0.053	<0.5	9.6	<5.0	<0.5	<5.0	21.2	37.2
			7/31/2020			<5.0	<5.0	253	--	<0.5	1.3	26.9	--	--	6.6	24.6	--	22.1	--	--	0.129	3.4	17.4	<5.0	<0.5	<5.0	24.5	88.4
7/31/2020						<5.0	<5.0	441	--	<0.5	1.5	24.4	--	--	10.3	42.5	--	28.4	--	--	0.188	3.2	16.6	<5.0	<0.5	<5.0	26.9	77.5
			7/31/2020			<5.0	<5.0	180	--	<0.5	2.6	33.5	--	--	10.1	27.4	5.00	105	3.40	<0.010	0.144	2.5	15.9	<5.0	<0.5	<5.0	28.2	257
7/31/2020						<5.0	<5.0	136	--	<0.5	1.9	21.3	--	--	10.2	40.5	--	6.7	--	--	0.042	0.8	15.8	<5.0	<0.5	<5.0	34.5	58.1
			7/31/2020			<5.0	5.4	113	--	<0.5	1.9	17.3	--	--	11.2	19.6	--	3.6	--	--	0.117	1.0	17.2	<5.0	<0.5	<5.0	31.3	53.1
7/31/2020						<5.0	<5.0	113	--	<0.5	1.9	18.8	--	--	10.4	23.9	--	4.2	--	--	0.089	0.8	13.5	<5.0	<0.5	<5.0	34.7	51.6
			7/31/2020			<5.0	<5.0	114	--	<0.5	1.7	21.7	--	--	6.8	32.7	--	22.6	--	--	0.062	1.2	16.0	<5.0	<0.5	<5.0	26.5	96.0
7/31/2020						<5.0	<5.0	126	--	<0.5	1.4	16.4	--	--	8.9	19.1	--	27.3	--	--	0.058	0.8	13.8	<5.0	<0.5	<5.0	27.0	64.4
			7/31/2020			<5.0	<5.0	43.6	--	<0.5	0.7	7.5	--	--	4.1	5.8	--	1.5	--	--	0.043	0.7	5.8	<5.0	<0.5	<5.0	13.5	22.3
7/31/2020						<5.0	<5.0	124	--	<0.5	1.6	16.9	--	--	10.6	23.8	--	4.8	--	--	0.091	<0.5	14.4	<5.0	<0.5	<5.0	34.4	51.3
			7/30/2020			<5.0	<5.0	86.9	--	<0.5	1.4	27.5	--	--	6.0	19.8	--	12.0	--	--	0.100	0.9	10.5	<5.0	<0.5	<5.0	20.6	59.2

TABLE 2  
Soil Analytical Results for Title 22 Metals  
Fast Lane Parcels, Wilmington, California

Title 22 Metals by EPA Method 6010B/7471A																											
Parcel ID	Sample ID	Sample Depth (feet bgs)	Sample Date	Antimony	Arsenic	Barium	Barium STLC	Beryllium	Cadmium	Chromium	Chromium STLC	Hexavalent Chromium*	Cobalt	Copper	Copper STLC	Lead	Lead STLC	Lead TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
				mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
SCREENING CRITERIA																											
				Units																							
	USEPA RSL Industrial Soil			470	3.0	220,000	--	2,300	980	--	--	6.3	350	47,000	--	800	--	--	46	5,800	22,000	5,800	5,800	12	5,800	350,000	
	DTSC-SL Industrial Soil			--	0.36	--	--	230	780	--	--	6.2	--	--	--	320	--	--	--	4.4	--	11,000	--	--	--	--	
	DTSC Background Arsenic 2008**			--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
HAZARDOUS WASTE CRITERIA																											
Parcel #6				15	5	100	100	0.75	1	560	5	--	80	25	25	5	5	5	0.2	350	20	1	5	7	24	250	
				--	5	100	--	--	1	5	--	--	--	--	--	5	--	--	5	0.2	--	--	1	5	--	--	
	HA6-2.5	2.5	7/30/2020	<5.0	<5.0	75.6	--	<0.5	1.3	13.1	--	--	6.8	15.7	--	6.6	--	--	0.051	1.0	11.2	<5.0	<0.5	<5.0	22.6	42.8	
	HA6-5	5.0	7/30/2020	<5.0	5.6	95.7	--	<0.5	2.5	27.0	--	--	10.9	30.4	--	8.3	--	--	0.126	1.0	19.8	<5.0	<0.5	<5.0	48.5	64	
	HA7-0.5	0.5	7/29/2020	<5.0	6.1	170	--	<0.5	2.3	18.4	--	--	7.0	22.6	--	25.8	--	--	0.091	1.6	18.0	<5.0	<0.5	<5.0	35.4	87.9	
	HA7-2.5	2.5	7/29/2020	<5.0	<5.0	113	--	<0.5	1.2	13.6	--	--	7.5	53.8	--	48.4	--	--	0.029	1.4	11.5	<5.0	<0.5	<5.0	34.1	58.6	
	HA7-5	5.0	7/29/2020	<5.0	<5.0	120	--	<0.5	2.4	21.7	--	--	11.3	19.9	--	4.2	--	--	0.069	0.8	17.0	<5.0	<0.5	<5.0	40.4	63.6	
Parcel #7	HA8-0.5	0.5	7/29/2020	<5.0	<5.0	77.2	--	<0.5	1.1	14.9	--	--	4.5	19.4	--	43.8	--	--	0.186	1.3	11.8	<5.0	<0.5	<5.0	22.7	83.2	
	HA8-2.5	2.5	7/29/2020	<5.0	<5.0	170	--	<0.5	7.8	77.9	2.1	1.3	7.7	72.7	--	164	--	<0.010	0.334	1.6	23.8	<5.0	<0.5	<5.0	25.7	548	
	HA8-5	5.0	7/29/2020	<5.0	<5.0	93.3	--	<0.5	1.7	16.9	--	--	8.4	19.3	--	16.3	--	--	0.055	0.8	13.3	<5.0	<0.5	<5.0	28.9	103	
	HA9-0.5	0.5	7/29/2020	<5.0	<5.0	84.0	--	<0.5	1.0	13.3	--	--	4.3	17.4	--	23.8	--	--	0.046	1.0	11.0	<5.0	<0.5	<5.0	21.5	65.4	
	HA9-2.5	2.5	7/29/2020	<5.0	<5.0	115	--	<0.5	2.7	28.6	--	--	7.2	90.5	--	88.8	0.170	--	0.075	1.1	18.0	<5.0	<0.5	<5.0	24.4	269	
	HA9-5	5.0	7/29/2020	<5.0	<5.0	89.6	--	<0.5	1.5	14.6	--	--	7.3	21.9	--	19.3	--	--	0.203	0.9	11.8	<5.0	<0.5	<5.0	25.2	95.4	
	HA9-5	5.0	7/29/2020	<5.0	<5.0	89.6	--	<0.5	1.5	14.6	--	--	7.3	21.9	--	19.3	--	--	0.203	0.9	11.8	<5.0	<0.5	<5.0	25.2	95.4	

Notes:

USEPA RSL = Environmental Protection Agency Regional Screening Levels (RSLs) for industrial soil (May 2020)

DTSC-SL = Department of Toxic Substances Control (DTSC) Screening Level (SL), Office of Human and Ecological Risk (HERO) Note Number 3 (June 2020)

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

mg/kg = Milligrams per Kilogram

bgs = Below ground surface

-- = Not applicable or not analyzed

ND or < 0.5 = Analyte not detected above the referenced detection limit

\* = Hexavalent Chromium was analyzed by EPA method 7199

Red values exceed one or more screening level



Parcel ID	Sample ID	Sample Depth (feet)	Date Sampled	Total Petroleum Hydrocarbons (TPH) EPA Method 8015			Polycyclic Aromatic Hydrocarbons (PAHs) EPA Method 8270C																			
				GRO (C4-C12)	DRO (C13-C22)	ORO (C23-C40)	Acenaphthene	Acenaphthalene	Anthracene	Benz(a)anthracene	Benzo(b)fluoranthene	Benzo(a)pyrene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	All other PAHs			
SCREENING CRITERIA																										
Parcel #4A/4B				USEPA RSL Industrial Soil	420	440	30,000	45,000,000	23,000,000	230,000,000	21,000	21,000	2,100	--	2,100,000	30,000,000	30,000,000	21,000	73,000	3,000,000	8,600	--	--	23,000,000	Varies	
				DTSC-SL Industrial Soil	--	--	18,000	23,000,000	--	130,000,000	12,000	13,000	1,300	--	1,300,000	18,000,000	17,000,000	13,000	30,000	1,300,000	6,500	--	--	13,000,000	Varies	
	B11-0.5	0.5	7/31/2020	<0.20	34.7	1,260	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	26	40	ND	
	B11-2.5	2.5	7/31/2020	<0.20	78.9	2,940	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	ND	
	B11-5	5.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	
	B11-8	8.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
	B12-0.5	0.5	7/30/2020	<0.20	110	736	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
	B12-2.5	2.5	7/30/2020	<0.20	368	2,480	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	ND	
	B12-5	5.0	7/30/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
	B12-6	6.0	7/30/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND
	B18-0.5	0.5	7/30/2020	<0.20	105	1,040	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	ND	
	Parcel #5	B18-2.5	2.5	7/30/2020	<0.20	3,040	14,800	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	ND
B18-5		5.0	7/30/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	
B18-6		6.0	7/30/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	
B13-0.5		0.5	7/31/2020	<0.20	51.4	1,020	<20	<20	<20	88	<20	<20	<20	<20	288	<20	<20	<20	<20	<20	<20	94	262	ND		
B13-2.5		2.5	7/31/2020	<0.20	15.5	429	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
B13-5		5.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
B13-7		7.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND			
B14-0.5		0.5	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
B14-2.5		2.5	7/31/2020	<0.20	140	470	<20	<20	<20	<20	<20	<20	<20	<20	66	<20	<20	<20	<20	<20	<20	50	70	ND		
B14-5		5.0	7/31/2020	<0.20	58.2	317	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
B14-7.5		7.5	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
Parcel #6		B15-0.5	0.5	7/31/2020	<0.20	42.1	524	26	24	46	161	281	291	293	219	207	<20	197	24	28	36	94	225	ND		
	B15-2.5	2.5	7/31/2020	<0.20	16.9	156	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND			
	B15-5	5.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND			
	B15-8	8.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND			
	B16-0.5	0.5	7/31/2020	<0.20	79.6	1,620	<20	<20	22	<20	<20	<20	<20	<20	85	<20	<20	<20	<20	<20	<20	60	77	ND		
	B16-2.5	2.5	7/31/2020	<0.20	171	885	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	ND		
	B16-5	5.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND			
	B16-8	8.0	7/31/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND			
	HA6-0.5	0.5	7/30/2020	<0.20	25.4	208	<20	<20	<20	58	<20	139	<20	78	42	<20	117	<20	<20	<20	<20	20	46	ND		
	HA6-2.5	2.5	7/30/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
	HA6-5	5.0	7/30/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
	Parcel #7	HA7-0.5	0.5	7/29/2020	<0.20	26.2	293	<20	<20	<20	<20	<20	<20	<20	<20	32	<20	<20	<20	<20	<20	<20	<20	32	ND	
HA7-2.5		2.5	7/29/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
HA7-5		5.0	7/29/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
HA8-0.5		0.5	7/29/2020	<0.20	29.2	785	<20	<20	26	52	<20	<20	<20	76	62	<20	<20	<20	<20	<20	<20	32	64	ND		
HA8-2.5		2.5	7/29/2020	<0.20	180	544	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
HA8-5		5.0	7/29/2020	<0.20	<10.0	<10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
HA9-0.5		0.5	7/29/2020	<0.20	111	1,060	<20	<20	26	74	<20	123	<20	82	128	<20	<20	<20	<20	<20	66	118	ND			
HA9-2.5		2.5	7/29/2020	<0.20	88.4	337	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		
HA9-5		5.0	7/29/2020	<0.20	91.3	233	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND		

Notes:

GRO = Gasoline Range Organics  
DRO = Diesel Range Organics  
ORO = Oil Range Organics  
USEPA RSL = Environmental Protection Agency Regional Screening Levels (RSLs) for industrial soil (May 2020)  
DTSC-SL = Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Note Number 3 (June 2020)  
mg/kg = Milligrams per Kilogram  
ug/kg = Micrograms per Kilogram  
-- = Not Analyzed or Not Applicable  
ND = Not Detected Above Laboratory Reporting Limits  
Lowest aromatic/aliphatic TPH RSL selected for screening criteria  
**Red** values exceed one or more screening level

**TABLE 4**  
Soil Analytical Results for VOCs, OCPs, and PCBs  
Fast Lane Parcels, Wilmington, California

Parcel ID	Sample ID	Sample Depth (feet)	Date Sampled	Volatile Organic Compounds (VOCs) EPA Method 8260B				Organochlorine Pesticides (OCPs) EPA Method 8081A				Polychlorinated Biphenyls (PCBs) EPA Method 8082	
				Benzene	Trichloroethene	1,1,2-Trichloroethane	All other VOCs	Dieldrin	4,4'-DDE	ALL OCPs	Aroclor 1260	All PCBs	
SCREENING CRITERIA													
				USEPA RSL Industrial Soil									
				DTSC-SL Industrial Soil									
Parcel #1	B4-0.5	0.5	7/30/2020	--	--	--	--	16.2	<10	ND	<50	ND	
	B4-2.5	2.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	
	B4-5	5.0	7/30/2020	--	--	--	--	--	--	--	--	--	
	B4-6	6.0	7/30/2020	--	--	--	--	--	--	--	--	--	
	B5-0.5	0.5	7/30/2020	--	--	--	--	<10	<10	ND	<50	ND	
	B5-2.5	2.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	
	B5-5	5.0	7/30/2020	--	--	--	--	--	--	--	--	--	
	B5-6	6.0	7/30/2020	--	--	--	--	--	--	--	--	--	
	B6-0.5	0.5	7/30/2020	--	--	--	--	<10	<10	ND	<50	ND	
	B6-2.5	2.5	7/30/2020	--	--	--	--	--	--	--	--	--	
	B6-5	5.0	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	
	B6-7.5	7.5	7/30/2020	--	--	--	--	--	--	--	--	--	
	B7-0.5	0.5	7/30/2020	<1.0	<1.0	<1.0	ND	<10	<10	ND	<50	ND	
	B7-2.5	2.5	7/30/2020	--	--	--	--	--	--	--	--	--	
B7-5	5.0	7/30/2020	--	--	--	--	--	--	--	--	--		
B7-7	7.0	7/30/2020	--	--	--	--	--	--	--	--	--		
B17-0.5	0.5	7/30/2020	<1.0	<1.0	<1.0	ND	<10	<10	ND	<50	ND		
B17-2.5	2.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--		
B17-5	5.0	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--		
B17-7.5	7.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--		
B1-0.5	0.5	7/30/2020	<1.0	<1.0	<1.0	ND	<10	<10	ND	<50	ND		
B1-2.5	2.5	7/30/2020	--	--	--	--	--	--	--	--	--		
B1-5	5.0	7/30/2020	--	--	--	--	--	--	--	--	--		
B1-10	10.0	7/30/2020	--	--	--	--	--	--	--	--	--		
B2-0.5	0.5	7/30/2020	--	--	--	--	<10	<10	ND	<50	ND		
B2-2.5	2.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--		
B2-5	5.0	7/30/2020	--	--	--	--	--	--	--	--	--		
B2-8.5	8.5	7/30/2020	--	--	--	--	--	--	--	--	--		
B2-10	10.0	7/30/2020	--	--	--	--	--	--	--	--	--		
B3-0.5	0.5	7/30/2020	--	--	--	--	<10	<10	ND	<50	ND		
B3-2.5	2.5	7/30/2020	--	--	--	--	--	--	--	--	--		

**TABLE 4**  
Soil Analytical Results for VOCs, OCPs, and PCBs  
Fast Lane Parcels, Wilmington, California

Parcel ID	Sample ID	Sample Depth (feet)	Date Sampled	Volatile Organic Compounds (VOCs) EPA Method 8260B				Organochlorine Pesticides (OCPs) EPA Method 8081A				Polychlorinated Biphenyls (PCBs) EPA Method 8082	
				Benzene	Trichloroethene	1,1,2-Trichloroethane	All other VOCs	Dieldrin	4,4'-DDE	ALL OCPs	Aroclor 1260	All PCBs	
SCREENING CRITERIA													
				Units									
				ug/kg									
				ug/kg									
				ug/kg									
				ug/kg									
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**TABLE 4**  
Soil Analytical Results for VOCs, OCPs, and PCBs  
Fast Lane Parcels, Wilmington, California

Parcel ID	Sample ID	Sample Depth (feet)	Date Sampled	Volatile Organic Compounds (VOCs) EPA Method 8260B				Organochlorine Pesticides (OCPs) EPA Method 8081A				Polychlorinated Biphenyls (PCBs) EPA Method 8082	
				Benzene	Trichloroethene	1,1,2-Trichloroethane	All other VOCs	Dieldrin	4,4'-DDE	ALL OCPs	Aroclor 1260	All PCBs	
SCREENING CRITERIA													
Units													
				USEPA RSL Industrial Soil									
				DTSC-SL Industrial Soil									
Parcel #4A/4B	B11-2.5	2.5	7/31/2020	<1.0	<1.0	<1.0	Varies	140	9,300	Varies	990	Varies	Varies
	B11-5	5.0	7/31/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B11-8	8.0	7/31/2020	--	--	--	ND	--	--	--	--	--	--
	B12-0.5	0.5	7/30/2020	<1.0	<1.0	<1.0	ND	<10	<10	ND	<50	ND	ND
	B12-2.5	2.5	7/30/2020	--	--	--	--	--	--	--	--	--	--
	B12-5	5.0	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B12-6	6.0	7/30/2020	--	--	--	--	--	--	--	--	--	--
	B18-0.5	0.5	7/30/2020	--	--	--	--	<10	<10	ND	<50	ND	ND
	B18-2.5	2.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B18-5	5.0	7/30/2020	--	--	--	--	--	--	--	--	--	--
Parcel #5	B18-6	6.0	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B13-0.5	0.5	7/31/2020	--	--	--	--	<10	<10	ND	68.4	ND	ND
	B13-2.5	2.5	7/31/2020	--	--	--	--	--	--	--	--	--	--
	B13-5	5.0	7/31/2020	<1.0	1.2	<1.0	ND	--	--	--	--	--	--
	B13-7	7.0	7/31/2020	--	--	--	--	--	--	--	--	--	--
	B14-0.5	0.5	7/31/2020	<1.0	<1.0	<1.0	ND	<10	<10	ND	<50	ND	ND
	B14-2.5	2.5	7/31/2020	--	--	--	--	--	--	--	--	--	--
	B14-5	5.0	7/31/2020	--	--	--	--	--	--	--	--	--	--
	B14-7.5	7.5	7/31/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B15-0.5	0.5	7/31/2020	<1.0	<1.0	<1.0	ND	<10	<10	ND	<50	ND	ND
Parcel #6	B15-2.5	2.5	7/31/2020	--	--	--	--	--	--	--	--	--	--
	B15-5	5.0	7/31/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B15-8	8.0	7/31/2020	--	--	--	--	--	--	--	--	--	--
	B16-0.5	0.5	7/31/2020	--	--	--	--	<10	<10	ND	<50	ND	ND
	B16-2.5	2.5	7/31/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B16-5	5.0	7/31/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	B16-8	8.0	7/31/2020	--	--	--	--	--	--	--	--	--	--
	HA6-0.5	0.5	7/30/2020	--	--	--	--	<10	<10	ND	171	ND	ND
	HA6-2.5	2.5	7/30/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--
	HA6-5	5.0	7/30/2020	<1.0	2.7	13.9	ND	--	--	--	--	--	--
HA7-0.5	0.5	7/29/2020	--	--	--	--	<10	<10	ND	<50	ND	ND	
HA7-2.5	2.5	7/29/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	--	

TABLE 4  
Soil Analytical Results for VOCs, OCPs, and PCBs  
Fast Lane Parcels, Wilmington, California

Parcel ID		Sample ID	Sample Depth (feet)	Date Sampled	Volatile Organic Compounds (VOCs) EPA Method 8260B				Organochlorine Pesticides (OCPs) EPA Method 8081A				Polychlorinated Biphenyls (PCBs) EPA Method 8082	
					Benzene	Trichloroethene	1,1,2-Trichloroethane	All other VOCs	Dieldrin	4,4'-DDE	ALL OCPs	Aroclor 1260	All PCBs	
					ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
SCREENING CRITERIA														
					5,100	6,000	5,000	Varies	140	9,300	Varies	990	Varies	
				DTSC-SL Industrial Soil	1,400	--	--	Varies	93	9,300	Varies	600	Varies	
Parcel #6		HA7-5	5.0	7/29/2020	--	--	--	--	--	--	--	--	--	--
		HA8-0.5	0.5	7/29/2020	--	--	--	--	<10	<10	ND	<50	ND	
		HA8-2.5	2.5	7/29/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	
Parcel #7		HA8-5	5.0	7/29/2020	--	--	--	--	--	--	--	--	--	
		HA9-0.5	0.5	7/29/2020	--	--	--	--	<10	<10	ND	<50	ND	
		HA9-2.5	2.5	7/29/2020	--	--	--	--	--	--	--	--	--	
		HA9-5	5.0	7/29/2020	<1.0	<1.0	<1.0	ND	--	--	--	--	--	

Notes: USEPA RSL = Environmental Protection Agency Regional Screening Levels (RSLs) for industrial soil (May 2020)  
DTSC-SL = Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) Note Number 3 (June 2020)  
ug/kg = Micrograms per Kilogram  
-- = Not Analyzed or Not Applicable  
ND = Not Detected Above Laboratory Reporting Limits  
Red values exceed one or more screening level

TABLE 5  
Groundwater Analytical Results for Title 22 Metals  
Fast Lane Parcels, Wilmington, California

Title 22 Metals by EPA Method 6010B/7471A (µg/L)																				
Parcel ID	Sample ID	Depth to Water (feet bgs)	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			California MCLs	6	10	1000	4	5	50	--	1300	15	2	--	100	50	--	2	--	--
Parcel #1	B4-GW	6.0	7/30/2020	<50	<50	232	<10	<10	31	29	167	72	<0.10	17	41	<50	<10	<50	51	310
	B6-GW	7.5	7/30/2020	<50	<50	41	<10	<10	<10	<10	<10	<10	<0.10	31	<10	<50	<10	<50	<10	20
	B17-GW	7.5	7/30/2020	<50	<50	220	<10	<10	55	23	90	41	0.14	43	33	<50	<10	<50	56	605
Parcel #2	B1-GW	9.0	7/30/2020	<50	<50	256	<10	<10	<10	<10	42	<10	0.42	18	<10	<50	<10	<50	29	34
Parcel #4A/4B	B9-GW	6.5	7/31/2020	<50	<50	47	<10	<10	<10	<10	<10	<10	<0.10	31	<10	71	<10	<50	<10	13
	B12-GW	6.5	7/30/2020	<50	61	129	<10	<10	43	18	39	21	<0.10	15	22	<50	<10	<50	61	89
Parcel #5	B14-GW	8.0	7/31/2020	<50	<50	43	<10	<10	<10	<10	<10	<10	<0.10	38	<10	80	<10	<50	<10	17
Parcel #6	B16-GW	8.5	7/31/2020	<50	<50	38	<10	<10	<10	<10	<10	<10	<0.10	151	<10	<50	<10	<50	<10	10

California MCLs= Maximum Contaminate Levels  
<0.10 = Less than the laboratory reporting limit  
-- = No published value or not applicable  
ug/L = Micrograms per liter  
ND= Not Detected above laboratory limit  
Red values exceed one or more screening level

TABLE 6  
Groundwater Analytical Results for TPH, VOCs, and PAHs  
Fast Lane Parcels, Wilmington, California

Parcel ID	Sample ID	Depth to Water (feet)	Date Sampled	Total Petroleum Hydrocarbons (TPH) EPA Method 8015 (mg/L)			Volatile Organic Compounds (VOCs) EPA Method 8260B (µg/L)												Polycyclic Aromatic Hydrocarbons (PAHs) EPA Method 8270C (µg/L)	
				GRO (C4-C12)	DRO (C13-C22)	ORO (C23-C40)	Benzene	Chloroform	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,2-Trichloroethane	Trichloroethene	Vinyl chloride		All Other VOCs
				--	--	--	1	80	600	5	5	5	6	6	10	5	5	0.5	Varies	Varies
Parcel #1	B4-GW	6.0	7/30/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	B6-GW	7.5	7/30/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
	B17-GW	7.5	7/30/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
Parcel #2	B1-GW	9.0	7/30/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
Parcel #4A/4B	B9-GW	6.5	7/31/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	0.5	<0.5	<0.5	<0.5	ND
	B12-GW	6.5	7/30/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
Parcel #5	B14-GW	8.0	7/31/2020	<0.10	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	ND
Parcel #6	B16-GW	8.5	7/31/2020	<0.10	<1.0	<1.0	1.0	1.5	1.6	0.6	2.4	0.6	2.6	0.6	0.6	1.9	164	16.6	60.7	ND

California MCLs=  
<0.10 = Less than the laboratory reporting limit  
-- = No published value or not applicable  
ug/L = Micrograms per liter  
mg/L= Milligrams per liter  
ND= Not Detected above laboratory limit  
Red values exceed one or more screening level

# **APPENDIX A**

## **Boring Permit**



Leighton



# ENVIRONMENTAL HEALTH



## Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706

Telephone: (626) 430-5420 • [http://publichealth.lacounty.gov/eh/ep/dw/dw\\_main.htm](http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm)

## Work Plan Approval

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS
Wilmington Fast Lane Assessment 12736.004 2905 E Grant Street	Los Angeles	90744	bmcculloch@leightongroup.com

### NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- WORK PLAN APPROVALS ARE LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

<b>X</b>	WORK PLAN APPROVED FOR: 7 soil borings – direct push	PERMIT NUMBER:	SR0227449	DATE:	July 14, 2020
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### ADDITIONAL APPROVAL CONDITIONS:

- Work plan approval is issued for scope of work submitted to the Drinking Water Program. Any modifications to the scope of work will require additional work plan review.
- Soil borings shall be sealed pursuant to Section 9 and Appendix B of California *Well Standards - Bulletins 74-90 & Bulletins 74-81 respectively*.
  - For Types I or II Portland cement, said sealing material shall be mixed at a ratio of one 94-pound sack of Portland cement 5 to 6 gallons of 'clean' water.
  - **Up to 6%** of bentonite may be added to the cement mixture at a ratio of two (2) pounds of bentonite one (1) gallon of 'clean' water, or in accordance with the manufacturer's specification.
  - No hydrated bentonite chips.
- Sealing materials shall meet *National Sanitation Foundation (NSF 61)* standard.
- Provide temporary cover to the borehole opening whenever work is interrupted.
- Borings / exploration holes must comply with all applicable requirements published in the *California Well Standards (Bulletins 74-81 and 74-90 combined)* and the *Los Angeles County Code, Title 11*.



Quang Ly, REHS

## **APPENDIX B**

### **Boring Logs**



Leighton



A Leighton Group Company

**BORING LOG**

<b>PROJECT NUMBER</b> 12736.004	<b>BORING/WELL NUMBER</b> B1
<b>PROJECT NAME</b> Fast Lane Assessment	<b>DATE DRILLED</b> 7/30/2020
<b>LOCATION</b> Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b> N/A / N/A
<b>DRILLING METHOD</b> Direct Push	<b>SCREEN TYPE/SLOT</b> N/A / N/A
<b>SAMPLING METHOD</b> Sleeve	<b>GRAVEL PACK TYPE</b> N/A
<b>GROUND ELEVATION</b>	<b>GROUT TYPE/QUANTITY</b> Cement/Bentonite Grout
<b>TOP OF CASING</b> N/A	<b>DEPTH TO WATER</b> 9.0
<b>LOGGED BY</b> SAG	<b>GROUND WATER ELEVATION</b>
<b>REMARKS</b> Drilling completed by Millenium Enviromental Inc.	

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B1-0.5	✖	0	GM		@Surface: BASE 6" thick
			B1-2.5	✖	0	MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			B1-5	✖	0	SM		@4': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
10			B1-10	✖	0			@8.5': moist @9': wet, groundwater.
15								Total Depth: 10 feet bgs Groundwater encountered at 9 feet bgs Backfilled with cement/bentonite grout

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20



A Leighton Group Company

**BORING LOG**

<b>PROJECT NUMBER</b>	12736.004	<b>BORING/WELL NUMBER</b>	B2
<b>PROJECT NAME</b>	Fast Lane Assessment	<b>DATE DRILLED</b>	7/30/2020
<b>LOCATION</b>	Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b>	N/A / N/A
<b>DRILLING METHOD</b>	Direct Push	<b>SCREEN TYPE/SLOT</b>	N/A / N/A
<b>SAMPLING METHOD</b>	Sleeve	<b>GRAVEL PACK TYPE</b>	N/A
<b>GROUND ELEVATION</b>		<b>GROUT TYPE/QUANTITY</b>	Hydrated Bentonite Chips
<b>TOP OF CASING</b>	N/A	<b>DEPTH TO WATER</b>	9.0
<b>LOGGED BY</b>	SAG	<b>GROUND WATER ELEVATION</b>	
<b>REMARKS</b>	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B2-0.5	✖	0	GM		@Surface: BASE 6" thick
			B2-2.5	✖	0	MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerflow sulfur grains, no odor or staining.
5			B2-5	✖	0	SM		@4': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B2-8.5	✖	0			@8.5': moist
10			B2-10	✖	0			@9': wet, groundwater.
15								Total Depth: 10 feet bgs Groundwater encountered at 9 feet bgs Backfilled with hydrated bentonite chips

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20



A Leighton Group Company

# BORING LOG

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B3  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/30/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER** 9.0  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B3-0.5	✖	0	GM		@Surface: BASE 6" thick
			B3-2.5	✖	0	MH		@0.5': Sandy SILT (Artificial Fill), orangey brown, slightly moist, loose, vey fine to fine grained, some coarse grained, trace gravel, trace yerflow sulfur grains, no odor or staining.
5			B3-5	✖	0	SM		@4.5': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B3-8.5	✖	0			@8.5': moist
10			B3-10	✖	0			@9': wet, groundwater.
15								Total Depth: 10 feet bgs Groundwater encountered at 9 feet bgs Backfilled with hydrated bentonite chips

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20



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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B4  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/30/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Cement/Bentonite Grout  
**TOP OF CASING** N/A **DEPTH TO WATER** 6.0  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B4-0.5	0		GM		@Surface: BASE 8" thick
						MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, medium dense, vey fine to fine grained, some coarse grained, trace gravel, trace yerflow sulfur grains, no odor or staining.
			B4-2.5	0				@2.5': Sand with silt (Native), brown, slightly moist, medium dense, very fine to fine grained, no odor or staining.
5			B4-5	0				@5': moist
			B4-6	0				@6': wet, groundwater.
						SM		
10								Total Depth: 10 feet bgs Groundwater encountered at 6 feet bgs Backfilled with cement/bentonite grout
15								

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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B5  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/30/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER** 6.0  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B5-0.5	0		GM		@Surface: BASE 1' thick
						MH		@1': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
			B5-2.5	0				@2.5': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			B5-5	0				@5': moist
			B5-6	0		SM		@6': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 6 feet bgs Backfilled with hydrated bentonite chips
15								

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# BORING LOG

PROJECT NUMBER	12736.004	BORING/WELL NUMBER	B6
PROJECT NAME	Fast Lane Assessment	DATE DRILLED	7/30/2020
LOCATION	Port of LA, Los Angeles, California	CASING TYPE/DIAMETER	N/A / N/A
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	N/A / N/A
SAMPLING METHOD	Sleeve	GRAVEL PACK TYPE	N/A
GROUND ELEVATION		GROUT TYPE/QUANTITY	Cement/Bentonite Grout
TOP OF CASING	N/A	DEPTH TO WATER	7.5
LOGGED BY	SAG	GROUND WATER ELEVATION	
REMARKS	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B6-0.5	✖	0	GM		@Surface: BASE 2' thick
			B6-2.5	✖	0	MH		@2': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining. @2.5': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			B6-5	✖	0	SM		@5': moist
			B6-7.5	✖	0			@7.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 7.5 feet bgs Backfilled with cement/bentonite grout
15								

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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B7  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/30/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER** 7.0  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B7-0.5	0		GM		@Surface: BASE 6" thick
						MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
			B7-2.5	0				@2': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			B7-5	0		SM		@5': moist
			B7-7	0				@7': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 7 feet bgs Backfilled with hydrated bentonite chips
15								

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**BORING LOG**

<b>PROJECT NUMBER</b>	12736.004	<b>BORING/WELL NUMBER</b>	B8
<b>PROJECT NAME</b>	Fast Lane Assessment	<b>DATE DRILLED</b>	7/30/2020
<b>LOCATION</b>	Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b>	N/A / N/A
<b>DRILLING METHOD</b>	Direct Push	<b>SCREEN TYPE/SLOT</b>	N/A / N/A
<b>SAMPLING METHOD</b>	Sleeve	<b>GRAVEL PACK TYPE</b>	N/A
<b>GROUND ELEVATION</b>		<b>GROUT TYPE/QUANTITY</b>	Hydrated Bentonite Chips
<b>TOP OF CASING</b>	N/A	<b>DEPTH TO WATER</b>	7.5
<b>LOGGED BY</b>	SAG	<b>GROUND WATER ELEVATION</b>	
<b>REMARKS</b>	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B8-0.5	0		GM		@Surface: BASE 1' thick
			B8-2.5	0		MH		@1': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			B8-5	0				@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.  @5': moist
			B8-7	0		SM		@7.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 7.5 feet bgs Backfilled with hydrated bentonite chips
15								

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# BORING LOG

<b>PROJECT NUMBER</b> 12736.004	<b>BORING/WELL NUMBER</b> B9
<b>PROJECT NAME</b> Fast Lane Assessment	<b>DATE DRILLED</b> 7/31/2020
<b>LOCATION</b> Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b> N/A / N/A
<b>DRILLING METHOD</b> Direct Push	<b>SCREEN TYPE/SLOT</b> N/A / N/A
<b>SAMPLING METHOD</b> Sleeve	<b>GRAVEL PACK TYPE</b> N/A
<b>GROUND ELEVATION</b>	<b>GROUT TYPE/QUANTITY</b> Cement/Bentonite Grout
<b>TOP OF CASING</b> N/A	<b>DEPTH TO WATER</b> 6.5
<b>LOGGED BY</b> SAG	<b>GROUND WATER ELEVATION</b>
<b>REMARKS</b> Drilling completed by Millenium Enviromental Inc.	

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B9-0.5	0		GM		@Surface: BASE 2' thick
			B9-2.5	0		MH		@2': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			B9-5 B9-6	0 0		SM		@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.  @6': moist @6.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 6.5 feet bgs Backfilled with cement/bentonite grout
15								

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# BORING LOG

<b>PROJECT NUMBER</b> 12736.004	<b>BORING/WELL NUMBER</b> B10
<b>PROJECT NAME</b> Fast Lane Assessment	<b>DATE DRILLED</b> 7/31/2020
<b>LOCATION</b> Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b> N/A / N/A
<b>DRILLING METHOD</b> Direct Push	<b>SCREEN TYPE/SLOT</b> N/A / N/A
<b>SAMPLING METHOD</b> Sleeve	<b>GRAVEL PACK TYPE</b> N/A
<b>GROUND ELEVATION</b>	<b>GROUT TYPE/QUANTITY</b> Hydrated Bentonite Chips
<b>TOP OF CASING</b> N/A	<b>DEPTH TO WATER</b> 7.5
<b>LOGGED BY</b> SAG	<b>GROUND WATER ELEVATION</b>
<b>REMARKS</b> Drilling completed by Millenium Enviromental Inc.	

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B10-0.5	0		GM		@Surface: BASE 2' thick
			B10-2.5	0		MH		@2': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			B10-5	0				@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B10-7	0		SM		@7': moist @7.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 7.5 feet bgs Backfilled with hydrated bentonite chips
15								

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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B11  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/31/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER** 8.0  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B11-0.5	0		GM		@Surface: BASE 1' thick
						MH		@1': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
			B11-2.5	0				
5			B11-5	0		SM		@3': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
								@7': moist
			B11-8	0				@8': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 8 feet bgs Backfilled with hydrated bentonite chips
15								

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# BORING LOG

PROJECT NUMBER	12736.004	BORING/WELL NUMBER	B12
PROJECT NAME	Fast Lane Assessment	DATE DRILLED	7/30/2020
LOCATION	Port of LA, Los Angeles, California	CASING TYPE/DIAMETER	N/A / N/A
DRILLING METHOD	Direct Push	SCREEN TYPE/SLOT	N/A / N/A
SAMPLING METHOD	Sleeve	GRAVEL PACK TYPE	N/A
GROUND ELEVATION		GROUT TYPE/QUANTITY	Cement/Bentonite Grout
TOP OF CASING	N/A	DEPTH TO WATER	6.5
LOGGED BY	SAG	GROUND WATER ELEVATION	
REMARKS	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (Inches)	SAMPLE ID:	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B12-0.5		0	GM		@Surface: BASE 1' thick
						MH		@1': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerlow sulfur grains, no odor or staining.
			B12-2.5		0			@3': Sand with silt (Native), light brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			B12-5		0			
			B12-6		0	SM		@6': moist @6.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 6.5 feet bgs Backfilled with cement/bentonite grout
15								



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**BORING LOG**

<b>PROJECT NUMBER</b>	12736.004	<b>BORING/WELL NUMBER</b>	B13
<b>PROJECT NAME</b>	Fast Lane Assessment	<b>DATE DRILLED</b>	7/31/2020
<b>LOCATION</b>	Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b>	N/A / N/A
<b>DRILLING METHOD</b>	Direct Push	<b>SCREEN TYPE/SLOT</b>	N/A / N/A
<b>SAMPLING METHOD</b>	Sleeve	<b>GRAVEL PACK TYPE</b>	N/A
<b>GROUND ELEVATION</b>		<b>GROUT TYPE/QUANTITY</b>	Hydrated Bentonite Chips
<b>TOP OF CASING</b>	N/A	<b>DEPTH TO WATER</b>	7.5
<b>LOGGED BY</b>	SAG	<b>GROUND WATER ELEVATION</b>	
<b>REMARKS</b>	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B13-0.5	0		GM		@Surface: BASE 1' thick
			B13-2.5	0		MH		@1': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			B13-5	0				@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B13-7	0		SM		@7': moist @7.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 7.5 feet bgs Backfilled with hydrated bentonite chips
15								

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# BORING LOG

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B14  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/31/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Cement/Bentonite Grout  
**TOP OF CASING** N/A **DEPTH TO WATER** 8.0  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B14-0.5	0		GM		@Surface: BASE 1' thick
			B14-2.5	0		SM		@1': Silty SAND (Artficial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			B14-5	0				@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B14-7.5	0		SM		@7.5': moist @8': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 8 feet bgs Backfilled with cement/bentonite grout
15								

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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B15  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/31/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER** 8.5  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B15-0.5	✖	0	GM		@Surface: BASE 1' thick
			B15-2.5	✖	0	SM		@1': Silty SAND (Artificial Fill), brown, slightly moist, loose, very fine to fine grained, some coarse grained, trace gravel, trace yellow sulfur grains, no odor or staining.
5			B15-5	✖	0	SM		@3': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B15-8	✖	0			@8': moist @8.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 8.5 feet bgs Backfilled with hydrated bentonite chips
15								

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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** B16  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/31/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Direct Push **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Sleeve **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Cement/Bentonite Grout  
**TOP OF CASING** N/A **DEPTH TO WATER** 8.5  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B16-0.5	✕	0	GM		@Surface: BASE 1' thick
						MH		@1': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
			B16-2.5	✕	0			
5			B16-5	✕	0	SM		@3': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B16-8	✕	0			@8': moist @8.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 8.5 feet bgs Backfilled with cement/bentonite grout
15								

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**BORING LOG**

<b>PROJECT NUMBER</b>	12736.004	<b>BORING/WELL NUMBER</b>	B17
<b>PROJECT NAME</b>	Fast Lane Assessment	<b>DATE DRILLED</b>	7/30/2020
<b>LOCATION</b>	Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b>	N/A / N/A
<b>DRILLING METHOD</b>	Direct Push	<b>SCREEN TYPE/SLOT</b>	N/A / N/A
<b>SAMPLING METHOD</b>	Sleeve	<b>GRAVEL PACK TYPE</b>	N/A
<b>GROUND ELEVATION</b>		<b>GROUT TYPE/QUANTITY</b>	Cement/Bentonite Grout
<b>TOP OF CASING</b>	N/A	<b>DEPTH TO WATER</b>	7.5
<b>LOGGED BY</b>	SAG	<b>GROUND WATER ELEVATION</b>	
<b>REMARKS</b>	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B17-0.5	✖	0	GM		@Surface: BASE 1' thick
			B17-2.5	✖	0	SM		@1': Silty SAND (Artificial Fill), brown, slightly moist, loose, very fine to fine grained, some coarse grained, trace gravel, trace yellow sulfur grains, no odor or staining.  @2.5': 1" layer of black sticky tar
5			B17-5	✖	0			@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.
			B17-7.5	✖	0	SM		@7': moist @7.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 7.5 feet bgs Backfilled with cement/bentonite grout
15								

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20



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# BORING LOG

<b>PROJECT NUMBER</b> 12736.004	<b>BORING/WELL NUMBER</b> B18
<b>PROJECT NAME</b> Fast Lane Assessment	<b>DATE DRILLED</b> 7/30/2020
<b>LOCATION</b> Port of LA, Los Angeles, California	<b>CASING TYPE/DIAMETER</b> N/A / N/A
<b>DRILLING METHOD</b> Direct Push	<b>SCREEN TYPE/SLOT</b> N/A / N/A
<b>SAMPLING METHOD</b> Sleeve	<b>GRAVEL PACK TYPE</b> N/A
<b>GROUND ELEVATION</b>	<b>GROUT TYPE/QUANTITY</b> Hydrated Bentonite Chips
<b>TOP OF CASING</b> N/A	<b>DEPTH TO WATER</b> 6.5
<b>LOGGED BY</b> SAG	<b>GROUND WATER ELEVATION</b>
<b>REMARKS</b> Drilling completed by Millenium Enviromental Inc.	

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			B18-0.5	0		GM		@Surface: BASE 2' thick
			B18-2.5	0		SM		@2': Silty SAND (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerflow sulfur grains, no odor or staining.
5			B18-5 B18-6	0 0		SM		@4': Sand with silt (Native), dark brown, slightly moist, loose, very fine to fine grained, no odor or staining.  @6': moist @6.5': wet, groundwater.
10								Total Depth: 10 feet bgs Groundwater encountered at 6.5 feet bgs Backfilled with hydrated bentonite chips
15								

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20



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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** HA1  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/29/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Hand Auger **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Glass Jar **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER**  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA1-0.5	0		GM		@Surface: BASE 6" thick
								@0.5': Silty SAND (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, no odor or staining.
			HA1-2.5	0		SM		
								@3.5': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			HA1-5	0		SM		
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20

# BORING LOG

PROJECT NUMBER	12736.004	BORING/WELL NUMBER	HA2
PROJECT NAME	Fast Lane Assessment	DATE DRILLED	7/29/2020
LOCATION	Port of LA, Los Angeles, California	CASING TYPE/DIAMETER	N/A / N/A
DRILLING METHOD	Hand Auger	SCREEN TYPE/SLOT	N/A / N/A
SAMPLING METHOD	Glass Jar	GRAVEL PACK TYPE	N/A
GROUND ELEVATION		GROUT TYPE/QUANTITY	Hydrated Bentonite Chips
TOP OF CASING	N/A	DEPTH TO WATER	
LOGGED BY	SAG	GROUND WATER ELEVATION	
REMARKS	Drilling completed by Millenium Enviromental Inc.		

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (Inches)	SAMPLE ID:	EXTENT	PID (ppm)	U.S.C.S.:	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA2-0.5		0	GM		@Surface: BASE 6" thick
						SM		@0.5': Silty SAND (Artificial Fill), brown, slightly moist, loose, very fine to fine grained, some coarse grained, trace gravel, no odor or staining.
			HA2-2.5		0			
						SP		@3': Sand (Native), light brown, slightly moist, loose, very fine to fine grained, some silt, no odor or staining.
5			HA2-5		0			
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								



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# BORING LOG

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** HA3  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/29/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Hand Auger **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Glass Jar **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER**  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA3-0.5	2.5		GM		@Surface: BASE 6" thick
						SM		@0.5': Silty SAND (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerflow sulfur grains, no odor or staining.
			HA3-2.5	1.9		SM		@2.5': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			HA3-5	1.8				
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

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# BORING LOG

PROJECT NUMBER 12736.004 BORING/WELL NUMBER HA4  
 PROJECT NAME Fast Lane Assessment DATE DRILLED 7/29/2020  
 LOCATION Port of LA, Los Angeles, California CASING TYPE/DIAMETER N/A / N/A  
 DRILLING METHOD Hand Auger SCREEN TYPE/SLOT N/A / N/A  
 SAMPLING METHOD Glass Jar GRAVEL PACK TYPE N/A  
 GROUND ELEVATION \_\_\_\_\_ GROUT TYPE/QUANTITY Hydrated Bentonite Chips  
 TOP OF CASING N/A DEPTH TO WATER \_\_\_\_\_  
 LOGGED BY SAG GROUND WATER ELEVATION \_\_\_\_\_  
 REMARKS Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA4-0.5	0		GM		@Surface: BASE 6" thick
						MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
			HA4-2.5	0		SM		@2.5': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
5			HA4-5	0				
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

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# BORING LOG

PROJECT NUMBER 12736.004 BORING/WELL NUMBER HA5  
 PROJECT NAME Fast Lane Assessment DATE DRILLED 7/29/2020  
 LOCATION Port of LA, Los Angeles, California CASING TYPE/DIAMETER N/A / N/A  
 DRILLING METHOD Hand Auger SCREEN TYPE/SLOT N/A / N/A  
 SAMPLING METHOD Glass Jar GRAVEL PACK TYPE N/A  
 GROUND ELEVATION \_\_\_\_\_ GROUT TYPE/QUANTITY Hydrated Bentonite Chips  
 TOP OF CASING N/A DEPTH TO WATER \_\_\_\_\_  
 LOGGED BY SAG GROUND WATER ELEVATION \_\_\_\_\_  
 REMARKS Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA5-0.5	✖	0			@Surface: degraded asphalt 6" thick
						MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
			HA5-2.5	✖	0			@2.5': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
						SM		
5			HA5-5	✖	0			
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

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# BORING LOG

PROJECT NUMBER 12736.004 BORING/WELL NUMBER HA6  
 PROJECT NAME Fast Lane Assessment DATE DRILLED 7/31/2020  
 LOCATION Port of LA, Los Angeles, California CASING TYPE/DIAMETER N/A / N/A  
 DRILLING METHOD Hand Auger SCREEN TYPE/SLOT N/A / N/A  
 SAMPLING METHOD Glass Jar GRAVEL PACK TYPE N/A  
 GROUND ELEVATION \_\_\_\_\_ GROUT TYPE/QUANTITY Hydrated Bentonite Chips  
 TOP OF CASING N/A DEPTH TO WATER \_\_\_\_\_  
 LOGGED BY SAG GROUND WATER ELEVATION \_\_\_\_\_  
 REMARKS Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA6-0.5	0		GM		@Surface: Base 1' thick
			HA6-2.5	0		SM		@1': Silty SAND (Artficial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerflow sulfur grains, no odor or staining.
5			HA6-5	0		SM		@4': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, trace clay, no odor or staining.
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20

# BORING LOG

PROJECT NUMBER	12736.004	BORING/WELL NUMBER	HA7
PROJECT NAME	Fast Lane Assessment	DATE DRILLED	7/29/2020
LOCATION	Port of LA, Los Angeles, California	CASING TYPE/DIAMETER	N/A / N/A
DRILLING METHOD	Hand Auger	SCREEN TYPE/SLOT	N/A / N/A
SAMPLING METHOD	Glass Jar	GRAVEL PACK TYPE	N/A
GROUND ELEVATION		GROUT TYPE/QUANTITY	Hydrated Bentonite Chips
TOP OF CASING	N/A	DEPTH TO WATER	
LOGGED BY	SAG	GROUND WATER ELEVATION	
REMARKS	Drilling completed by Millenium Enviromental Inc.		

[illegible]



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**BORING LOG**

**PROJECT NUMBER** 12736.004 **BORING/WELL NUMBER** HA8  
**PROJECT NAME** Fast Lane Assessment **DATE DRILLED** 7/29/2020  
**LOCATION** Port of LA, Los Angeles, California **CASING TYPE/DIAMETER** N/A / N/A  
**DRILLING METHOD** Hand Auger **SCREEN TYPE/SLOT** N/A / N/A  
**SAMPLING METHOD** Glass Jar **GRAVEL PACK TYPE** N/A  
**GROUND ELEVATION** **GROUT TYPE/QUANTITY** Hydrated Bentonite Chips  
**TOP OF CASING** N/A **DEPTH TO WATER**  
**LOGGED BY** SAG **GROUND WATER ELEVATION**  
**REMARKS** Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA8-0.5	0		GM		@Surface: BASE 6" thick
			HA8-2.5	0		MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			HA8-5	0		SM		@4': Sand with silt (Native), brown, slightly moist, loose, very fine to fine grained, no odor or staining.
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

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# BORING LOG

PROJECT NUMBER 12736.004 BORING/WELL NUMBER HA9  
 PROJECT NAME Fast Lane Assessment DATE DRILLED 7/29/2020  
 LOCATION Port of LA, Los Angeles, California CASING TYPE/DIAMETER N/A / N/A  
 DRILLING METHOD Hand Auger SCREEN TYPE/SLOT N/A / N/A  
 SAMPLING METHOD Glass Jar GRAVEL PACK TYPE N/A  
 GROUND ELEVATION \_\_\_\_\_ GROUT TYPE/QUANTITY Hydrated Bentonite Chips  
 TOP OF CASING N/A DEPTH TO WATER \_\_\_\_\_  
 LOGGED BY SAG GROUND WATER ELEVATION \_\_\_\_\_  
 REMARKS Drilling completed by Millenium Enviromental Inc.

DEPTH (ft BGL)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	PID (ppm)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			HA9-0.5	0		GM		@Surface: BASE 6" thick
			HA9-2.5	0		MH		@0.5': Sandy SILT (Artificial Fill), brown, slightly moist, loose, vey fine to fine grained, some coarse graned, trace gravel, trace yerllow sulfur grains, no odor or staining.
5			HA9-5	0		SM		@4': Sand with silt (Native), dark brown, slightly moist, medium dense, very fine to fine grained, no odor or staining.
								Total Depth: 5 feet bgs No groundwater encountered Backfilled with hydrated bentonite chips
10								
15								

GE\_SBL\_OLD\_FAST\_LANE\_BORING\_LOGS.GPJ LAEWMN01.GDT 9/16/20

**APPENDIX C**

**Laboratory Reports and  
Chain-of-Custody Documents**



Leighton



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805-399-0060

11007 FOREST PLACE  
SANTA FE SPRINGS, CA 90670  
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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**JEL Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil & Water

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8015M – Extended Range Hydrocarbons
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals
4. EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD  
All samples subjected to sulfur cleanup by EPA 3660B
5. EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD  
All samples subjected to sulfur cleanup by EPA 3660B

Approval:

David Mirakian, M.S.  
Stationary Lab Chemist



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/4/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	HA1-0.5	HA1-2.5	HA1-5	HA2-0.5	HA2-2.5		
<u>Jones ID:</u>	ST-15867-01	ST-15867-02	ST-15867-03	ST-15867-04	ST-15867-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	45.6	46.1	ND	ND	ND	10.0	mg/kg
C23 - C40	159	302	ND	ND	ND	10.0	mg/kg
C10 - C28	117	140	ND	ND	ND	10.0	mg/kg
C29 - C40	89.4	213	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	101%	91%	88%	83%	87%	30 - 120	
<u>Batch:</u>	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/4/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	HA2-5	HA3-0.5	HA3-2.5	HA3-5	HA4-0.5		
<u>Jones ID:</u>	ST-15867-06	ST-15867-07	ST-15867-08	ST-15867-09	ST-15867-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	ND	ND	ND	ND	10.0	mg/kg
C23 - C40	ND	ND	ND	ND	ND	10.0	mg/kg
C10 - C28	ND	ND	ND	ND	ND	10.0	mg/kg
C29 - C40	ND	ND	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	106%	83%	96%	90%	81%	30 - 120	
<u>Batch:</u>	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/4/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	HA4-2.5	HA4-5	HA5-0.5	HA5-2.5	HA5-5		
<u>Jones ID:</u>	ST-15867-11	ST-15867-12	ST-15867-13	ST-15867-14	ST-15867-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	ND	24.6	26.9	ND	10.0	mg/kg
C23 - C40	ND	ND	138	110	ND	10.0	mg/kg
C10 - C28	ND	ND	82.7	70.3	ND	10.0	mg/kg
C29 - C40	ND	ND	84.7	71.8	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	97%	76%	92%	91%	99%	30 - 120	
<u>Batch:</u>	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/29/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/4/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	HA7-0.5	HA7-2.5	HA7-5	HA8-0.5	HA8-2.5		
<u>Jones ID:</u>	ST-15867-16	ST-15867-17	ST-15867-18	ST-15867-19	ST-15867-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	26.2	ND	ND	29.2	180	10.0	mg/kg
C23 - C40	293	ND	ND	785	544	10.0	mg/kg
C10 - C28	83.4	ND	ND	144	318	10.0	mg/kg
C29 - C40	241	ND	ND	674	309	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	82%	98%	99%	97%	90%	30 - 120	
<u>Batch:</u>	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID7 _080420_01	FID8 _080420_01		

ND = Value less than reporting limit



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SANTA FE SPRINGS, CA 90670  
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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/29/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/4/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	HA8-5	HA9-0.5	HA9-2.5	HA9-5		
<u>Jones ID:</u>	ST-15867-21	ST-15867-22	ST-15867-23	ST-15867-24	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>						
C13 - C22	ND	111	88.4	91.3	10.0	mg/kg
C23 - C40	ND	1060	337	233	10.0	mg/kg
C10 - C28	ND	191	77.2	121	10.0	mg/kg
C29 - C40	ND	882	258	129	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
<u>Surrogate Recovery:</u>					<u>QC Limits</u>	
Hexacosane	109%	80%	97%	110%	30 - 120	
<u>Batch:</u>	FID8 _080420_01	FID8 _080420_01	FID8 _080420_01	FID8 _080420_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/29/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/4/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK		
	MB1- 080420FID7	MB1- 080420FID8		
<b>Jones ID:</b>			<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Carbon Chain Range</b>				
C13 - C22	ND	ND	10.0	mg/kg
C23 - C40	ND	ND	10.0	mg/kg
C10 - C28	ND	ND	10.0	mg/kg
C29 - C40	ND	ND	10.0	mg/kg
<b><u>Dilution Factor</u></b>	1	1		
<b><u>Surrogate Recovery:</u></b>			<b><u>QC Limits</u></b>	
Hexacosane	93%	111%	30 - 120	
<b><u>Batch:</u></b>	FID7 _080420_01	FID8 _080420_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/4/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** FID7\_080420\_01      **Prepared:** 8/4/2020      **Analyzed:** 8/4/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080420FID7	<b>SAMPLE SPIKED:</b>		CLEAN SOIL		
<b>Analyte:</b>						
Diesel	465	500	93%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			106%		30 - 120	
<b>LCSD:</b>	LCSD1-080420FID7	<b>SAMPLE SPIKED:</b>		CLEAN SOIL		
<b>Analyte:</b>						
Diesel	493	500	99%	5.8%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			77%		30 - 120	
<b>CCV:</b>	CCV1-080420FID7					
<b>Analyte:</b>						
Diesel	1030	1000	103%		80 - 120	mg/kg

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

**BATCH:** FID8\_080420\_01      **Prepared:** 8/4/2020      **Analyzed:** 8/4/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080420FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	<b>483</b>	500	97%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			84%		30 - 120	
<b>LCSD:</b>	LCSD1-080420FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	<b>470</b>	500	94%	2.7%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			84%		30 - 120	
<b>CCV:</b>	CCV1-080420FID8					
<b>Analyte:</b>						
Diesel	<b>1070</b>	1000	107%		80 - 120	mg/kg

LCS = Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV = Continuing Calibration Verification  
RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 7/30-31/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** HA1-0.5 HA2-5 HA3-0.5 HA3-2.5 HA3-5

<b>Jones ID:</b>	ST-15867-01	ST-15867-06	ST-15867-07	ST-15867-08	ST-15867-09	<b>Reporting Limit</b>	<b>Units</b>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	HA1-0.5	HA2-5	HA3-0.5	HA3-2.5	HA3-5		
<u>Jones ID:</u>	ST-15867-01	ST-15867-06	ST-15867-07	ST-15867-08	ST-15867-09	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	101%	101%	101%	103%	102%	60 - 140	
Toluene-d <sub>8</sub>	94%	96%	98%	98%	97%	60 - 140	
4-Bromofluorobenzene	104%	90%	94%	93%	100%	60 - 140	
	VOC4- 073120-01	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 7/30-31/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** HA4-0.5 HA5-2.5 HA7-2.5 HA8-2.5 HA9-5

<b>Jones ID:</b>	ST-15867-10	ST-15867-14	ST-15867-17	ST-15867-20	ST-15867-24	<b>Reporting Limit</b>	<b>Units</b>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b><u>Sample ID:</u></b>	<b>HA4-0.5</b>	<b>HA5-2.5</b>	<b>HA7-2.5</b>	<b>HA8-2.5</b>	<b>HA9-5</b>		
<b><u>Jones ID:</u></b>	<b>ST-15867-10</b>	<b>ST-15867-14</b>	<b>ST-15867-17</b>	<b>ST-15867-20</b>	<b>ST-15867-24</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		
<b><u>Surrogate Recoveries:</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	105%	100%	106%	96%	94%	60 - 140	
Toluene-d <sub>8</sub>	98%	96%	98%	92%	92%	60 - 140	
4-Bromofluorobenzene	95%	94%	91%	102%	101%	60 - 140	
	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01	VOC4- 073120-02	VOC4- 073120-02		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 7/30-31/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	HA1-2.5	HA1-5	HA2-0.5	HA2-2.5	HA4-2.5		
<u>Jones ID:</u>	ST-15867-02	ST-15867-03	ST-15867-04	ST-15867-05	ST-15867-11	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	98%	99%	99%	98%	100%	60 - 140	
Toluene-d <sub>8</sub>	94%	96%	95%	96%	95%	60 - 140	
4-Bromofluorobenzene	103%	105%	94%	85%	93%	60 - 140	
	VOC4- 073120-01	VOC4- 073120-01	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
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**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 7/30-31/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	HA4-5	HA5-0.5	HA5-5	HA7-0.5	HA7-5		
<u>Jones ID:</u>	ST-15867-12	ST-15867-13	ST-15867-15	ST-15867-16	ST-15867-18	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	101%	98%	99%	101%	101%	60 - 140	
Toluene-d <sub>8</sub>	100%	97%	94%	96%	97%	60 - 140	
4-Bromofluorobenzene	90%	90%	95%	93%	94%	60 - 140	
	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01	VOC3- 073120-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 7/30-31/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** HA8-0.5 HA8-5 HA9-0.5 HA9-2.5

**Jones ID:** ST-15867-19 ST-15867-21 ST-15867-22 ST-15867-23

**Reporting Limit** **Units**

**Analytes:**

Gasoline Range Organics (C4-C12) ND ND ND ND 0.20 mg/kg

**Dilution Factor**

1 1 1 1

**Surrogate Recoveries:**

	HA8-0.5	HA8-5	HA9-0.5	HA9-2.5	QC Limits
Dibromofluoromethane	102%	95%	94%	95%	60 - 140
Toluene-d <sub>8</sub>	100%	94%	94%	94%	60 - 140
4-Bromofluorobenzene	92%	104%	101%	102%	60 - 140

VOC3-073120-01 VOC4-073120-02 VOC4-073120-02 VOC4-073120-02

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 7/30-31/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>Jones ID:</u>	073120- V4MB1	073120- V3MB1	073120- V4MB2	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
Benzene	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<u>METHOD BLANK</u>	<u>METHOD BLANK</u>	<u>METHOD BLANK</u>		
<u>Jones ID:</u>	<u>073120- V4MB1</u>	<u>073120- V3MB1</u>	<u>073120- V4MB2</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
trans-1,3-Dichloropropene	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>					
	1	1	1		
<b><u>Surrogate Recoveries:</u></b>				<b><u>QC Limits</u></b>	
Dibromofluoromethane	97%	92%	95%	60 - 140	
Toluene-d <sub>8</sub>	96%	89%	96%	60 - 140	
4-Bromofluorobenzene	102%	84%	104%	60 - 140	
	VOC4- 073120-01	VOC3- 073120-01	VOC4- 073120-02		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 7/30-31/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC4-073120-01		
Jones ID:	073120-V4MS1	073120-V4MSD1		073120-V4CCV1		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	91%	88%	4.2%	60 - 140	111%	80 - 120
1,1-Dichloroethene	87%	120%	31.9%	60 - 140	143% <sup>1</sup>	80 - 120
Cis-1,2-Dichloroethene	108%	112%	3.5%	70 - 130	112%	80 - 120
1,1,1-Trichloroethane	104%	106%	2.1%	70 - 130	115%	80 - 120
Benzene	110%	112%	1.4%	70 - 130	120%	80 - 120
Trichloroethene	106%	108%	1.6%	70 - 130	120%	80 - 120
Toluene	107%	111%	3.8%	70 - 130	118%	80 - 120
Tetrachloroethene	96%	99%	3.4%	70 - 130	113%	80 - 120
Chlorobenzene	96%	103%	6.5%	70 - 130	107%	80 - 120
Ethylbenzene	108%	113%	4.6%	70 - 130	120%	80 - 120
1,2,4 Trimethylbenzene	109%	115%	6.2%	70 - 130	119%	80 - 120
Gasoline Range Organics (C4-C12)	108%	113%	4.0%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	96%	98%		60 - 140	101%	60 - 140
Toluene-d <sub>8</sub>	97%	97%		60 - 140	112%	60 - 140
4-Bromofluorobenzene	105%	106%		60 - 140	121%	60 - 140

<sup>1</sup> = Value out of range. MS, MSD and RPD within acceptable limits. Data accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
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Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 7/30-31/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC3-073120-01		
Jones ID:	073120-V3MS1	073120-V3MSD1		073120-V3CCV1		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	107%	107%	0.3%	60 - 140	120%	80 - 120
1,1-Dichloroethene	136%	142% <sup>1</sup>	4.2%	60 - 140	115%	80 - 120
Cis-1,2-Dichloroethene	98%	106%	8.2%	70 - 130	89%	80 - 120
1,1,1-Trichloroethane	102%	105%	3.0%	70 - 130	106%	80 - 120
Benzene	99%	98%	1.6%	70 - 130	98%	80 - 120
Trichloroethene	97%	102%	5.6%	70 - 130	100%	80 - 120
Toluene	96%	110%	13.7%	70 - 130	95%	80 - 120
Tetrachloroethene	92%	106%	14.6%	70 - 130	100%	80 - 120
Chlorobenzene	97%	104%	6.5%	70 - 130	95%	80 - 120
Ethylbenzene	97%	106%	9.2%	70 - 130	96%	80 - 120
1,2,4 Trimethylbenzene	98%	103%	5.0%	70 - 130	95%	80 - 120
Gasoline Range Organics (C4-C12)	98%	104%	6.7%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane				60 - 140		60 - 140
Toluene-d <sub>8</sub>				60 - 140		60 - 140
4-Bromofluorobenzene				60 - 140		60 - 140

<sup>1</sup> = Recovery outside of acceptable limits. CCV and MS recoveries and MS/MSD %RSD were within QC limits, therefore data was accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 7/30-31/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC4-073120-02		
Jones ID:	073120-V4MS2	073120-V4MSD2		073120-V4CCV2		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	79%	77%	2.5%	60 - 140	84%	80 - 120
1,1-Dichloroethene	145% <sup>1</sup>	146% <sup>1</sup>	1.1%	60 - 140	160% <sup>1</sup>	80 - 120
Cis-1,2-Dichloroethene	108%	107%	0.7%	70 - 130	106%	80 - 120
1,1,1-Trichloroethane	103%	101%	2.5%	70 - 130	112%	80 - 120
Benzene	107%	104%	3.1%	70 - 130	111%	80 - 120
Trichloroethene	105%	104%	1.1%	70 - 130	111%	80 - 120
Toluene	104%	102%	2.2%	70 - 130	110%	80 - 120
Tetrachloroethene	95%	94%	0.9%	70 - 130	103%	80 - 120
Chlorobenzene	98%	95%	2.4%	70 - 130	103%	80 - 120
Ethylbenzene	107%	105%	2.1%	70 - 130	113%	80 - 120
1,2,4 Trimethylbenzene	103%	102%	1.1%	70 - 130	111%	80 - 120
Gasoline Range Organics (C4-C12)	105%	103%	2%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	93%	93%		60 - 140	91%	60 - 140
Toluene-d <sub>8</sub>	96%	96%		60 - 140	98%	60 - 140
4-Bromofluorobenzene	102%	103%		60 - 140	108%	60 - 140

<sup>1</sup> = Values exceed acceptability range. All detected values of 1, 1-Dichloroethene reported as estimates.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	HA1-0.5	HA1-2.5	HA1-5	HA2-0.5	HA2-2.5		
<u>Jones ID:</u>	ST-15867-01	ST-15867-02	ST-15867-03	ST-15867-04	ST-15867-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	101	111	76.0	78.9	43.6	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.8	1.7	1.6	1.4	0.8	0.5	mg/kg
Cobalt, Co	3.9	9.5	8.6	7.2	4.5	0.5	mg/kg
Chromium, Cr	12.9	17.3	16.1	14.2	8.3	0.5	mg/kg
Copper, Cu	11.3	16.0	13.5	13.1	5.4	0.5	mg/kg
Molybdenum, Mo	1.5	0.9	ND	0.6	0.7	0.5	mg/kg
Nickel, Ni	3.1	17.2	12.6	11.6	6.2	0.5	mg/kg
Lead, Pb	11.2	11.4	3.0	6.2	1.6	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	36.6	33.2	28.8	24.3	14.7	0.5	mg/kg
Zinc, Zn	19.6	60.4	44.6	44.3	25.3	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080301	I20080301	I20080301	I20080301	I20080301		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	HA1-0.5	HA1-2.5	HA1-5	HA2-0.5	HA2-2.5		
<u>Jones ID:</u>	ST-15867-01	ST-15867-02	ST-15867-03	ST-15867-04	ST-15867-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.049	0.069	0.053	0.059	0.064	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20073101	H20073101	H20073101	H20073101	H20073101		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	HA2-5	HA3-0.5	HA3-2.5	HA3-5	HA4-0.5		
<u>Jones ID:</u>	ST-15867-06	ST-15867-07	ST-15867-08	ST-15867-09	ST-15867-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	5.8	ND	5.0	mg/kg
Barium, Ba	42.5	86.2	69.2	76.0	104	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	0.8	1.4	1.2	1.4	1.4	0.5	mg/kg
Cobalt, Co	4.4	2.7	6.5	7.6	7.2	0.5	mg/kg
Chromium, Cr	8.2	8.9	11.6	14.3	14.7	0.5	mg/kg
Copper, Cu	5.3	5.7	7.8	12.5	15.6	0.5	mg/kg
Molybdenum, Mo	ND	5.9	0.5	0.6	0.7	0.5	mg/kg
Nickel, Ni	6.3	4.0	9.1	11.6	12.0	0.5	mg/kg
Lead, Pb	1.7	11.5	1.7	2.8	11.3	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	14.2	18.4	20.1	25.1	26.0	0.5	mg/kg
Zinc, Zn	26.4	13.9	36.3	41.5	54.6	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080301	I20080301	I20080301	I20080301	I20080301		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	HA2-5	HA3-0.5	HA3-2.5	HA3-5	HA4-0.5		
<u>Jones ID:</u>	ST-15867-06	ST-15867-07	ST-15867-08	ST-15867-09	ST-15867-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.037	0.065	0.039	0.036	0.057	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20073101	H20073101	H20073101	H20073101	H20073101		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
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**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	HA4-2.5	HA4-5	HA5-0.5	HA5-2.5	HA5-5		
<u>Jones ID:</u>	ST-15867-11	ST-15867-12	ST-15867-13	ST-15867-14	ST-15867-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	75.2	74.9	90.0	98.3	60.2	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.6	1.4	1.4	1.6	1.2	0.5	mg/kg
Cobalt, Co	8.2	7.7	6.7	7.2	6.3	0.5	mg/kg
Chromium, Cr	14.4	14.9	16.5	16.5	11.3	0.5	mg/kg
Copper, Cu	12.0	10.3	20.7	17.4	8.1	0.5	mg/kg
Molybdenum, Mo	ND	0.6	0.8	ND	0.5	0.5	mg/kg
Nickel, Ni	12.0	11.8	10.3	12.8	9.0	0.5	mg/kg
Lead, Pb	2.3	1.9	9.0	10.8	1.7	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	26.5	24.4	27.2	27.7	19.9	0.5	mg/kg
Zinc, Zn	42.8	46.1	48.5	57.0	33.4	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	I20080301	I20080301	I20080301	I20080301	I20080301		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	HA4-2.5	HA4-5	HA5-0.5	HA5-2.5	HA5-5		
<u>Jones ID:</u>	ST-15867-11	ST-15867-12	ST-15867-13	ST-15867-14	ST-15867-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.033	0.035	0.065	0.057	0.030	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20073101	H20073101	H20073101	H20073101	H20073101		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	HA7-0.5	HA7-2.5	HA7-5	HA8-0.5	HA8-2.5		
<u>Jones ID:</u>	ST-15867-16	ST-15867-17	ST-15867-18	ST-15867-19	ST-15867-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	6.1	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	170	113	120	77.2	170	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	2.3	1.2	2.4	1.1	7.8	0.5	mg/kg
Cobalt, Co	7.0	7.5	11.3	4.5	7.7	0.5	mg/kg
Chromium, Cr	18.4	13.6	21.7	14.9	77.9	0.5	mg/kg
Copper, Cu	22.6	53.8	19.9	19.4	72.7	0.5	mg/kg
Molybdenum, Mo	1.6	1.4	0.8	1.3	1.6	0.5	mg/kg
Nickel, Ni	18.0	11.5	17.0	11.8	23.8	0.5	mg/kg
Lead, Pb	25.8	48.4	4.2	23.8	164	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	35.4	24.1	40.4	22.7	25.7	0.5	mg/kg
Zinc, Zn	87.9	58.6	63.6	83.2	548*	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1/10*		
<b>Batch:</b>	I20080301	I20080301	I20080301	I20080302	I20080302		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	HA7-0.5	HA7-2.5	HA7-5	HA8-0.5	HA8-2.5		
<u>Jones ID:</u>	ST-15867-16	ST-15867-17	ST-15867-18	ST-15867-19	ST-15867-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.091	0.029	0.069	0.186	0.334	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20073101	H20073101	H20073101	H20073101	H20073101		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	HA8-5	HA9-0.5	HA9-2.5	HA9-5		
<u>Jones ID:</u>	ST-15867-21	ST-15867-22	ST-15867-23	ST-15867-24	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
Silver, Ag	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	93.3	84.0	115	89.6	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.7	1.0	2.7	1.5	0.5	mg/kg
Cobalt, Co	8.4	4.3	7.2	7.3	0.5	mg/kg
Chromium, Cr	16.9	13.3	28.6	14.6	0.5	mg/kg
Copper, Cu	19.3	17.4	90.5	21.9	0.5	mg/kg
Molybdenum, Mo	0.8	1.0	1.1	0.9	0.5	mg/kg
Nickel, Ni	13.3	11.0	18.0	11.8	0.5	mg/kg
Lead, Pb	16.3	23.8	88.8	19.3	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	28.9	21.5	24.4	25.2	0.5	mg/kg
Zinc, Zn	103	65.4	269	95.4	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
<u>Batch:</u>	I20080302	I20080302	I20080302	I20080302		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	HA8-5	HA9-0.5	HA9-2.5	HA9-5		
<u>Jones ID:</u>	ST-15867-21	ST-15867-22	ST-15867-23	ST-15867-24	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.055	0.046	0.075	0.203	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
<u>Batch:</u>	H20073102	H20073102	H20073102	H20073102		

ND = Value less than reporting limit

## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/7/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15867
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/29/2020
		<b>Date Received:</b>	7/29/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	07/31-08/04/20
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

<b><u>BATCH:</u></b>	I20080301	<b><u>Prepared:</u></b>	8/3/2020	<b><u>Analyzed:</u></b>	8/4/2020
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### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>Analytes:</b>							
<b>METHOD BLANK:</b>	<b>I200803-MB1</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					3.0	mg/kg

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

**BATCH:** I20080301      **Prepared:** 8/3/2020      **Analyzed:** 8/4/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200803-LCS1</b>					
Barium, Ba	223	200	112%		80 - 120	mg/kg
Cobalt, Co	52.1	50.0	104%		80 - 120	mg/kg
Lead, Pb	54.9	50.0	110%		80 - 120	mg/kg
Selenium, Se	204	200	102%		80 - 120	mg/kg
Zinc, Zn	47.4	50.0	95%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200803-LCSD1</b>					
Barium, Ba	213	200	107%	4.6%	80 - 120	mg/kg
Cobalt, Co	49.3	50.0	99%	5.5%	80 - 120	mg/kg
Lead, Pb	53.1	50.0	106%	3.3%	80 - 120	mg/kg
Selenium, Se	197	200	99%	3.5%	80 - 120	mg/kg
Zinc, Zn	46.5	50.0	93%	1.9%	80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200803-CCV1</b>					
Barium, Ba	0.98	1.00	98%		90-110	mg/L
Cobalt, Co	1.00	1.00	100%		90-110	mg/L
Lead, Pb	1.01	1.00	101%		90-110	mg/L
Selenium, Se	1.01	1.00	101%		90-110	mg/L
Zinc, Zn	0.94	1.00	94%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 07/31-08/04/20

**Physical State:** Soil

**BATCH:** H20073101      **Prepared:** 7/31/2020      **Analyzed:** 7/31/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200731-MB1</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200731-LCS1</b>						
Mercury, Hg	0.96	1.00	96%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200731-LCSD1</b>						
Mercury, Hg	0.97	1.00	97%	1.0%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200731-CCV1</b>						
Mercury, Hg	5.15	5.00	103%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference

## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/7/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15867
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/29/2020
		<b>Date Received:</b>	7/29/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	07/31-08/04/20
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

<b><u>BATCH:</u></b>	I20080302	<b><u>Prepared:</u></b>	8/3/2020	<b><u>Analyzed:</u></b>	8/4/2020
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### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>Analytes:</b>							
<b>METHOD BLANK:</b>	<b>I200803-MB2</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					3.0	mg/kg

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 07/31-08/04/20  
**Physical State:** Soil

**BATCH:** I20080302      **Prepared:** 8/3/2020      **Analyzed:** 8/4/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200803-LCS2</b>					
Barium, Ba	213	200	107%		80 - 120	mg/kg
Cobalt, Co	49.3	50.0	99%		80 - 120	mg/kg
Lead, Pb	53.1	50.0	106%		80 - 120	mg/kg
Selenium, Se	196	200	98%		80 - 120	mg/kg
Zinc, Zn	46.7	50.0	93%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200803-LCSD2</b>					
Barium, Ba	216	200	108%	1.4%	80 - 120	mg/kg
Cobalt, Co	50.4	50.0	101%	2.2%	80 - 120	mg/kg
Lead, Pb	54.2	50.0	108%	2.1%	80 - 120	mg/kg
Selenium, Se	199	200	100%	1.5%	80 - 120	mg/kg
Zinc, Zn	46.7	50.0	93%		80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200803-CCV2</b>					
Barium, Ba	1.00	1.00	100%		90-110	mg/L
Cobalt, Co	1.02	1.00	102%		90-110	mg/L
Lead, Pb	1.02	1.00	102%		90-110	mg/L
Selenium, Se	1.01	1.00	101%		90-110	mg/L
Zinc, Zn	0.94	1.00	94%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/7/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15867
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/29/2020
		<b>Date Received:</b>	7/29/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	07/31-08/04/20
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** H20073102      **Prepared:** 7/31/2020      **Analyzed:** 8/1/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200731-MB2</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200731-LCS2</b>						
Mercury, Hg	1.07	1.00	107%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200731-LCSD2</b>						
Mercury, Hg	1.07	1.00	107%	0.4%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200801-CCV1</b>						
Mercury, Hg	5.02	5.00	100%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 8/5,6/2020  
**Physical State:** Soil

**Sample ID:** HA1-0.5

**Jones ID:** ST-15867-01

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 71%  
Decachlorobiphenyl 53%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**Sample ID:** HA2-0.5

**Jones ID:** ST-15867-04

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 48%  
Decachlorobiphenyl 59%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 8/5,6/2020  
**Physical State:** Soil

**Sample ID:** HA3-0.5

**Jones ID:** ST-15867-07

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 56%  
Decachlorobiphenyl 33%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 8/5,6/2020  
**Physical State:** Soil

**Sample ID:** HA4-0.5

**Jones ID:** ST-15867-10

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 57%  
Decachlorobiphenyl 67%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**Sample ID:** HA5-0.5

**Jones ID:** ST-15867-13

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 48%  
Decachlorobiphenyl 57%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**Sample ID:** HA7-0.5

**Jones ID:** ST-15867-16

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 39%  
Decachlorobiphenyl 48%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**Sample ID:** HA8-0.5

**Jones ID:** ST-15867-19

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 62%  
Decachlorobiphenyl 108%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**Sample ID:** HA9-0.5

**Jones ID:** ST-15867-22

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 52%  
Decachlorobiphenyl 51%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020  
**Date Analyzed:** 8/5,6/2020  
**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB1-080620ECD4

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080620_01	8/4/2020	8/6/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 80%  
Decachlorobiphenyl 58%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**BATCH:** ECD4\_080620\_01      **Prepared:** 8/4/2020      **Analyzed:** 8/6/2020

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	LCS	LCSD	% RPD	Spike Level	% Recovery Limits	Units
LCS1-080620ECD4 LCSD1-080620ECD4						
<b>Analytes:</b>						
α-BHC	104	114	9%	100	60 - 140	ppb
γ-Chlordane	112	118	6%	100	60 - 140	ppb
Aldrin	101	107	5%	100	60 - 140	ppb
4,4'-DDD	93.7	98.2	5%	100	60 - 140	ppb
4,4'-DDE	99.5	100	1%	100	60 - 140	ppb
4,4'-DDT	88.3	95.9	8%	100	60 - 140	ppb
Dieldrin	113	118	5%	100	60 - 140	ppb
Endosulfan I	104	111	7%	100	60 - 140	ppb
Endosulfan II	106	112	5%	100	60 - 140	ppb
Endrin	110	117	7%	100	60 - 140	ppb
Endrin ketone	99.0	107	7%	100	60 - 140	ppb
Heptachlor	104	109	5%	100	60 - 140	ppb
Heptachlor epoxide	104	109	4%	100	60 - 140	ppb

### Surrogate Recoveries:

TCMX	104%	120%	30 - 120
Decachlorobiphenyl	98%	110%	30 - 120

LCS= Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/5,6/2020

**Physical State:** Soil

**BATCH:** ECD4\_080620\_01

**Prepared:** 8/4/2020

**Analyzed:** 8/6/2020

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	Result	Spike Level	% Recovery	% Recovery Limits	Units
<b>CCV: CCV1-080620ECD4</b>					
<b>Analytes:</b>					
α-BHC	106	100	106%	80-120	ppb
γ-Chlordane	111	100	111%	80-120	ppb
Aldrin	100	100	100%	80-120	ppb
4,4'-DDD	91.2	100	91%	80-120	ppb
4,4'-DDE	100	100	100%	80-120	ppb
4,4'-DDT	89.6	100	90%	80-120	ppb
Dieldrin	110	100	110%	80-120	ppb
Endosulfan I	102	100	102%	80-120	ppb
Endosulfan II	100	100	100%	80-120	ppb
Endrin	105	100	105%	80-120	ppb
Endrin ketone	94.3	100	94%	80-120	ppb
Heptachlor	104	100	104%	80-120	ppb
Heptachlor epoxide	102	100	102%	80-120	ppb
<b>Surrogate Recovery:</b>					
TCMX	104%			30-120	
Decachlorobiphenyl	94%			30-120	

CCV= Continuing Calibration Verification



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** HA1-0.5

**Jones ID:** ST-15867-01

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 77%  
Decachlorobiphenyl 64%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** HA2-0.5

**Jones ID:** ST-15867-04

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 58%  
Decachlorobiphenyl 69%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** HA3-0.5

**Jones ID:** ST-15867-07

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 57%  
Decachlorobiphenyl 36%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**Sample ID:** HA4-0.5

**Jones ID:** ST-15867-10

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 44%  
Decachlorobiphenyl 47%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** HA5-0.5

**Jones ID:** ST-15867-13

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 48%  
Decachlorobiphenyl 56%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**Sample ID:** HA7-0.5

**Jones ID:** ST-15867-16

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 53%  
Decachlorobiphenyl 75%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** HA8-0.5

**Jones ID:** ST-15867-19

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
<b>Aroclor 1260</b>	<b>175</b>	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 71%  
Decachlorobiphenyl 76%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Date Received:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** HA9-0.5

**Jones ID:** ST-15867-22

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
<b>Aroclor 1260</b>	<b>128</b>	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 37%  
Decachlorobiphenyl 71%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/7/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB2-080620ECD4

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080620_02	8/4/2020	8/6/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX	75%	30-120
Decachlorobiphenyl	78%	30-120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/7/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15867
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/29/2020
		<b>Date Received:</b>	7/29/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** ECD4\_080620\_02      **Prepared:** 8/4/2020      **Analyzed:** 8/6/2020

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	<b>LCS2-080620ECD4</b>		<b>SAMPLE SPIKED:</b>	<b>CLEAN SOIL</b>		
<b>Analytes:</b>						
Aroclor 1016	<b>518</b>	500	104%		50 - 120	ppb
Aroclor 1260	<b>489</b>	500	98%		50 - 120	ppb
<b>Surrogate Recoveries:</b>						
TCMX			99%		30 - 120	
Decachlorobiphenyl			96%		30 - 120	

<b>LCSD:</b>	<b>LCSD2-080620ECD4</b>		<b>SAMPLE SPIKED:</b>	<b>CLEAN SOIL</b>		
Aroclor 1016	<b>541</b>	500	108%	4.3%	50 - 120	ppb
Aroclor 1260	<b>526</b>	500	105%	7.3%	50 - 120	ppb
<b>Surrogate Recovery:</b>						
TCMX			101%		30 - 120	
Decachlorobiphenyl			100%		30 - 120	

<b>CCV:</b>	<b>CCV2-080620ECD4</b>					
<b>Analytes:</b>						
Aroclor 1016	<b>586</b>	500	117%		80-120	ppb
Aroclor 1260	<b>522</b>	500	104%		80-120	ppb
<b>Surrogate Recoveries:</b>						
TCMX			110%		80-120	
Decachlorobiphenyl			108%		80-120	

LCS= Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV= Continuing Calibration Verification  
RPD = Relative Percent Difference



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# Chain-of-Custody Record

LAB USE ONLY

Jones Project # ST-152607

Page 1 of 3

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

Turn Around Requested:  
☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
☐ Normal

Report Options  
EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Date 7-29-2020

Client Project # 12736.004

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Client  
Leighton Consulting, Inc.  
Project Name  
Wilmington Fast Lane  
Project Address  
Port of LA, Wilmington, CA

Email  
[bmcculloch@leightongroup.com](mailto:bmcculloch@leightongroup.com)

Phone  
949-681-4287

Report To  
Brynn McCulloch

Sampler  
SAG / KCH

## Analysis Requested

Email bmcclulloch@leightongroup.com		Phone 949-681-4287		Sampler Report To Brynn McCulloch		SAG / KCH				
AS - Acetate Sleeve	SS - Stainless Steel Sleeve	BS - Brass Sleeve	G - Glass	AB - Amber Bottle	P - Plastic	SOBi - Sodium Bisulfate	MeOH - Methanol	HCl - Hydrochloric Acid	HNO3 - Nitric Acid	O - Other (See Notes)

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCPs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
HA1-0.5	7-29-20	0827	ST-15260701		Jar	S	→	X	X	X		X	X	4	5035 kit
HA1-2.5		0830	ST-15260702		↓	→	→	→	→					1	
HA1-5		0835	ST-15260703		↓	→	→	→	→					1	
HA2-0.5		0840	ST-15260704		↓	→	→	→	→			X		1	
HA2-2.5		0842	ST-15260705		↓	→	→	→	→					1	
HA2-5		0845	ST-15260706		↓	→	→	→	→	X				4	5035 kit
HA3-0.5		0858	ST-15260707		↓	→	→	→	→	X		X		4	5035 kit
HA3-2.5		0903	ST-15260708		↓	→	→	→	→	X				4	" "
HA3-5		0905	ST-15260709		↓	→	→	→	→	X				4	" "
HA4-0.5		0917	ST-15260710		↓	→	→	→	→	X		X	X	4	" "
Relinquished By (Signature) K. Hall			Printed Name K. Hall			Received By (Signature) Emily Rosen			Printed Name Emily Rosen			Total Number of Containers			

Client signature on this Chain of Custody form constitutes acknowledgment that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

Client <b>Leighton Consulting, Inc.</b>	Date <b>7-29-2020</b>
Project Name <b>Wilmington Fast Lane</b>	Client Project # <b>12736.004</b>
Project Address <b>Port of LA, Wilmington, CA</b>	Sample Container / Preservative Abbreviations

Email <b>bmcculloch@leightongroup.com</b>	AS - Acetate Sleeve
Phone <b>949-681-4287</b>	SS - Stainless Steel Sleeve
Report To <b>Brynn McCulloch</b>	BS - Brass Sleeve
	G - Glass
	AB - Amber Bottle
	P - Plastic
	SOBI - Sodium Bisulfate
	MeOH - Methanol
	HCl - Hydrochloric Acid
	HNO3 - Nitric Acid
	O - Other (See Notes)

Turn Around Requested:	Report Options
<input type="checkbox"/> Immediate Attention	EDD _____
<input type="checkbox"/> Rush 24 Hours	EDF* - 10% Surcharge _____
<input type="checkbox"/> Rush 48 Hours	*Global ID _____
<input type="checkbox"/> Rush 72 Hours	
<input type="checkbox"/> Normal	

LAB USE ONLY	Jones Project # <b>ST-182607</b>
	Page <b>2 of 3</b>
	Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Analysis Requested	Number of Containers	Notes & Special Instructions
HA4-2.5	7-24-20	0922	ST-182607-11		Jar	S	X	X							1	
HA4-5		0925	ST-182607-12												1	
HA5-0.5		0938	ST-182607-13									X			1	
HA5-2.5		0940	ST-182607-14							X					4	5035 kit
HA5-5		0942	ST-182607-15												1	
HA7-0.5		0736	ST-182607-16								X				1	
HA7-2.5		0800	ST-182607-17							X					4	5035 kit
HA7-5		0803	ST-182607-18												1	
HA8-0.5		0725	ST-182607-19								X				1	
HA8-2.5		0728	ST-182607-20						X						4	5035 kit

Relinquished By (Signature) <i>Kevin C. Hall</i>	Printed Name <b>K. Hall</b>	Date <b>7/29/20</b>	Time <b>1140</b>
Company <b>LCI</b>			
Relinquished By (Signature) <i>Jones Env</i>	Printed Name <b>Jones Env</b>	Date <b>7/29/20</b>	Time <b>1140</b>
Company <b>Jones Env</b>			
Date: <b>7/29/20</b>	Time: <b>1140</b>	Date: <b>7/29/20</b>	Time: <b>1140</b>

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

LAB USE ONLY

Client  
**Leighton Consulting, Inc.**

Project Name  
**Wilmington Fast Lane**

Project Address  
**Port of LA, Wilmington, CA**

Email  
**bmcculloch@leightongroup.com**

Phone  
**949-681-4287**

Report To  
**Brynn McCulloch**

Sampler  
**SAG / KCH**

Date

**7-29-2020**

Client Project #

**12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOB - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

- ☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☐ Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Jones Project #

**ST-182607**

Page

**3 of 3**

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample Matrix:	TPHg, d and o (6015)	VOCs (8260B/5035)	PAHs (8270C)	OCPs (8081A)	PCBs (8082)	Number of Containers
Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	X					1
Sample Matrix	X					1
Sample Matrix	X					1
Sample Matrix	X					4

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Notes & Special Instructions
HAB-5	7-24-20	0730	ST-182607-21		Jar	
HAG-0.5		0715	ST-182607-22			
HAG-2.5		0726	ST-182607-23			
HAG-5		0731	ST-182607-24			5035 kit

Relinquished By (Signature) **Kim C. Hall**  
Date **7/29/20**  
Time **1140**

Relinquished By (Signature) **CC**  
Date **7/29/20**  
Time **1140**

Received By (Signature) **[Signature]**  
Date **7/29/20**  
Time **1140**

Received By (Signature) **Jones**  
Date **7/29/20**  
Time **1140**

Printed Name **Emily Rose**  
Date **7/29/20**  
Time **1140**

Printed Name **7/29/20**  
Date **7/29/20**  
Time **1140**

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested and the information provided herein is correct and accurate.



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil & Water

---

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8015B – Extended Range Hydrocarbons
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals
4. EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD  
All samples subjected to sulfur cleanup by EPA 3660B
5. EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD  
All samples subjected to sulfur cleanup by EPA 3660B

**Water:**

1. EPA 8015B – Extended Range Hydrocarbons
2. EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B and 7471A – CAM 17 Metals

**Approval:**

David Mirakian, M.S.



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B1-0.5	B1-2.5	B1-5	B1-10	B2-0.5		
<u>Jones ID:</u>	ST-15877-01	ST-15877-02	ST-15877-03	ST-15877-04	ST-15877-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	17.7	43.1	657	ND	ND	10.0	mg/kg
C23 - C40	180	1140	1530	ND	ND	10.0	mg/kg
C10 - C28	58.6	192	1240	ND	ND	10.0	mg/kg
C29 - C40	144	996	957	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	79%	102%	95%	101%	102%	30 - 120	
<u>Batch:</u>	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01		

ND = Value less than reporting limit



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**Date Sampled:** 7/30/2020  
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**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B2-2.5	B2-5	B2-8.5	B2-10	B3-0.5		
<u>Jones ID:</u>	ST-15877-06	ST-15877-07	ST-15877-08	ST-15877-09	ST-15877-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	28.1	ND	ND	ND	10.0	mg/kg
C23 - C40	ND	126	ND	ND	ND	10.0	mg/kg
C10 - C28	ND	69.8	ND	ND	ND	10.0	mg/kg
C29 - C40	ND	88.3	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	105%	90%	99%	99%	101%	30 - 120	
<u>Batch:</u>	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01		

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**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B3-2.5	B3-5	B3-8.5	B3-10	B4-0.5		
<u>Jones ID:</u>	ST-15877-11	ST-15877-12	ST-15877-13	ST-15877-14	ST-15877-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	185	ND	ND	ND	10.0	mg/kg
C23 - C40	ND	568	ND	ND	ND	10.0	mg/kg
C10 - C28	ND	374	ND	ND	ND	10.0	mg/kg
C29 - C40	ND	382	ND	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	100%	88%	99%	103%	102%	30 - 120	
<u>Batch:</u>	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01		

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**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B4-2.5	B4-5	B4-6	B5-0.5	B5-2.5		
<u>Jones ID:</u>	ST-15877-16	ST-15877-17	ST-15877-18	ST-15877-19	ST-15877-20	<u>Reporting Limit</u>	<u>Units</u>
Carbon Chain Range							
C13 - C22	ND	ND	ND	55.8	ND	10.0	mg/kg
C23 - C40	ND	ND	ND	1170	ND	10.0	mg/kg
C10 - C28	ND	ND	ND	231	ND	10.0	mg/kg
C29 - C40	ND	ND	ND	998	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	94%	101%	93%	94%	80%	30 - 120	
<u>Batch:</u>	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01	FID7_080520_01		

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Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B5-5	B5-6	B6-0.5	B6-2.5	B6-5		
<u>Jones ID:</u>	ST-15877-21	ST-15877-22	ST-15877-23	ST-15877-24	ST-15877-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	81.5	86.2	ND	64.7	10.0	mg/kg
C23 - C40	ND	509	708	ND	214	10.0	mg/kg
C10 - C28	ND	122	121	ND	151	10.0	mg/kg
C29 - C40	ND	396	591	ND	166	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	109%	91%	86%	108%	103%	30 - 120	
<u>Batch:</u>	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02		

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## JONES ENVIRONMENTAL LABORATORY RESULTS

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Irvine, CA 92614

**Report date:** 8/10/2020  
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**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B6-7.5	B7-0.5	B7-2.5	B7-5	B7-7		
<u>Jones ID:</u>	ST-15877-26	ST-15877-27	ST-15877-28	ST-15877-29	ST-15877-30	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	114	77.4	ND	ND	10.0	mg/kg
C23 - C40	ND	440	219	ND	ND	10.0	mg/kg
C10 - C28	ND	156	67.6	ND	ND	10.0	mg/kg
C29 - C40	ND	321	156	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	108%	90%	108%	107%	110%	30 - 120	
<u>Batch:</u>	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02		

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Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B8-0.5	B8-2.5	B8-5	B8-7	B12-0.5		
<u>Jones ID:</u>	ST-15877-31	ST-15877-32	ST-15877-33	ST-15877-34	ST-15877-35	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	131	137	ND	ND	110	10.0	mg/kg
C23 - C40	1400	411	ND	ND	736	10.0	mg/kg
C10 - C28	250	171	ND	ND	184	10.0	mg/kg
C29 - C40	1190	287	ND	ND	580	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	77%	93%	106%	105%	87%	30 - 120	
<u>Batch:</u>	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02		

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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B12-2.5	B12-5	B12-6	B17-0.5	B17-2.5		
<u>Jones ID:</u>	ST-15877-36	ST-15877-37	ST-15877-38	ST-15877-39	ST-15877-40	<u>Reporting Limit</u>	<u>Units</u>
Carbon Chain Range							
C13 - C22	368	ND	ND	143	14200	10.0	mg/kg
C23 - C40	2480	ND	ND	946	23100	10.0	mg/kg
C10 - C28	936	ND	ND	295	23600	10.0	mg/kg
C29 - C40	1820	ND	ND	708	14900	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	10		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	81%	105%	108%	89%	86%	30 - 120	
<u>Batch:</u>	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080520_02	FID8_080620_01		

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**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B17-5	B17-7.5	B18-0.5	B18-2.5	B18-5		
<u>Jones ID:</u>	ST-15877-41	ST-15877-42	ST-15877-43	ST-15877-44	ST-15877-45	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	111	ND	105	3040	ND	10.0	mg/kg
C23 - C40	244	ND	1040	14800	ND	10.0	mg/kg
C10 - C28	94.7	ND	168	7740	ND	10.0	mg/kg
C29 - C40	160	ND	870	9940	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	98%	113%	83%	86%	113%	30 - 120	
<u>Batch:</u>	FID8_080420_01	FID8_080420_01	FID8_080420_01	FID8_080420_01	FID8_080420_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/4-6/2020  
**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

**Sample ID:** B18-6

**Jones ID:** ST-15877-46

**Reporting Limit**      **Units**

**Carbon Chain Range**

C13 - C22	ND	10.0	mg/kg
C23 - C40	ND	10.0	mg/kg
C10 - C28	ND	10.0	mg/kg
C29 - C40	ND	10.0	mg/kg

**Dilution Factor** 1

**Surrogate Recovery:**

Hexacosane 108%

**QC Limits**

30 - 120

**Batch:** FID8\_080420  
\_01

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/4-6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	METHOD BLANK #1	METHOD BLANK #2	METHOD BLANK #3	METHOD BLANK #4		
<u>Jones ID:</u>	MB1- 080520FID7	MB2- 080520FID8	MB1- 080420FID8	MB1- 080620FID8	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>						
C13 - C22	ND	ND	ND	ND	10.0	mg/kg
C23 - C40	ND	ND	ND	ND	10.0	mg/kg
C10 - C28	ND	ND	ND	ND	10.0	mg/kg
C29 - C40	ND	ND	ND	ND	10.0	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1		
<b><u>Surrogate Recovery:</u></b>					<b><u>QC Limits</u></b>	
Hexacosane	106%	85%	111%	104%	30 - 120	
<b><u>Batch:</u></b>	FID7_080520 _01	FID8_080520 _02	FID8_080420 _01	FID8_080620 _01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4-6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** FID7\_080520\_01      **Prepared:** 8/5/2020      **Analyzed:** 8/5/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080520FID7	<b>SAMPLE SPIKED:</b>		CLEAN SOIL		
<b>Analyte:</b>						
Diesel	519	500	104%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			96%		30 - 120	
<b>LCSD:</b>	LCSD1-080520FID7	<b>SAMPLE SPIKED:</b>		CLEAN SOIL		
<b>Analyte:</b>						
Diesel	496	500	99%	4.5%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			94%		30 - 120	
<b>CCV:</b>	CCV1-080520FID7					
<b>Analyte:</b>						
Diesel	1080	1000	108%		80 - 120	mg/kg

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4-6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** FID8\_080520\_02      **Prepared:** 8/5/2020      **Analyzed:** 8/5/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS2-080520FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	481	500	96%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			89%		30 - 120	
<b>LCSD:</b>	LCSD2-080520FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	494	500	99%	2.7%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			92%		30 - 120	
<b>CCV:</b>	CCV2-080520FID8					
<b>Analyte:</b>						
Diesel	1100	1000	110%		80 - 120	mg/kg

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LCSD= Laboratory Control Sample Duplicate

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RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4-6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** FID8\_080420\_01      **Prepared:** 8/4/2020      **Analyzed:** 8/4/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080420FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	483	500	97%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			84%		30 - 120	
<b>LCSD:</b>	LCSD1-080420FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	470	500	94%	2.7%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			84%		30 - 120	
<b>CCV:</b>	CCV1-080420FID8					
<b>Analyte:</b>						
Diesel	1070	1000	107%		80 - 120	mg/kg

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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4-6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** FID8\_080620\_01      **Prepared:** 8/6/2020      **Analyzed:** 8/6/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080620FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	481	500	96%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			103%		30 - 120	
<b>LCSD:</b>	LCSD1-080620FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	493	500	99%	2.5%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			102%		30 - 120	
<b>CCV:</b>	CCV1-080620FID8					
<b>Analyte:</b>						
Diesel	1090	1000	109%		80 - 120	mg/kg

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LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B1-0.5	B2-2.5	B3-5	B4-2.5	B5-2.5		
<u>Jones ID:</u>	ST-15877-01	ST-15877-06	ST-15877-12	ST-15877-16	ST-15877-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b><u>Sample ID:</u></b>	<b>B1-0.5</b>	<b>B2-2.5</b>	<b>B3-5</b>	<b>B4-2.5</b>	<b>B5-2.5</b>		
<b><u>Jones ID:</u></b>	<b>ST-15877-01</b>	<b>ST-15877-06</b>	<b>ST-15877-12</b>	<b>ST-15877-16</b>	<b>ST-15877-20</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		
<b><u>Surrogate Recoveries:</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	95%	98%	99%	103%	101%	60 - 140	
Toluene-d <sub>8</sub>	91%	90%	90%	96%	97%	60 - 140	
4-Bromofluorobenzene	101%	101%	101%	98%	98%	60 - 140	
	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02	VOC3- 080320-01	VOC3- 080320-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B6-5	B7-0.5	B8-2.5	B8-5	B12-0.5		
<u>Jones ID:</u>	ST-15877-25	ST-15877-27	ST-15877-32	ST-15877-33	ST-15877-35	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B6-5	B7-0.5	B8-2.5	B8-5	B12-0.5		
<u>Jones ID:</u>	ST-15877-25	ST-15877-27	ST-15877-32	ST-15877-33	ST-15877-35	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	103%	103%	101%	103%	101%	60 - 140	
Toluene-d <sub>8</sub>	96%	99%	94%	100%	97%	60 - 140	
4-Bromofluorobenzene	97%	93%	95%	91%	95%	60 - 140	
	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B12-5	B17-0.5	B17-2.5	B17-5	B17-7.5		
<u>Jones ID:</u>	ST-15877-37	ST-15877-39	ST-15877-40	ST-15877-41	ST-15877-42	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b><u>Sample ID:</u></b>	<b>B12-5</b>	<b>B17-0.5</b>	<b>B17-2.5</b>	<b>B17-5</b>	<b>B17-7.5</b>		
<b><u>Jones ID:</u></b>	<b>ST-15877-37</b>	<b>ST-15877-39</b>	<b>ST-15877-40</b>	<b>ST-15877-41</b>	<b>ST-15877-42</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		
<b><u>Surrogate Recoveries:</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	132%	101%	101%	100%	102%	60 - 140	
Toluene-d <sub>8</sub>	124%	97%	103%	100%	98%	60 - 140	
4-Bromofluorobenzene	130%	104%	93%	97%	97%	60 - 140	
	VOC4-080320-01	VOC4-080420-01	VOC4-080320-01	VOC4-080320-01	VOC4-080320-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** B18-2.5 B18-6

**Jones ID:** ST-15877-44 ST-15877-46

			<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>				
Benzene	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	1.0	µg/kg
Bromoform	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	1.0	µg/kg
Chloroform	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b><u>Sample ID:</u></b>	<b>B18-2.5</b>	<b>B18-6</b>		
<b><u>Jones ID:</u></b>	<b>ST-15877-44</b>	<b>ST-15877-46</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Analytes:</b>				
trans-1,3-Dichloropropene	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	1.0	µg/kg
Freon 11	ND	ND	5.0	µg/kg
Freon 12	ND	ND	5.0	µg/kg
Freon 113	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	1.0	µg/kg
Styrene	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	1.0	µg/kg
Toluene	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	<b>1</b>	<b>1</b>		
<b><u>Surrogate Recoveries:</u></b>			<b><u>QC Limits</u></b>	
Dibromofluoromethane	100%	100%	60 - 140	
Toluene-d8	102%	97%	60 - 140	
4-Bromofluorobenzene	93%	97%	60 - 140	
	VOC4- 080320-01	VOC4- 080320-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B1-2.5	B1-5	B1-10	B2-0.5	B2-5		
<u>Jones ID:</u>	ST-15877-02	ST-15877-03	ST-15877-04	ST-15877-05	ST-15877-07	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	95%	96%	94%	96%	97%	60 - 140	
Toluene-d <sub>8</sub>	92%	91%	94%	92%	92%	60 - 140	
4-Bromofluorobenzene	101%	100%	103%	100%	99%	60 - 140	
	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B2-8.5	B2-10	B3-0.5	B3-2.5	B3-8.5		
<u>Jones ID:</u>	ST-15877-08	ST-15877-09	ST-15877-10	ST-15877-11	ST-15877-13	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	94%	95%	96%	97%	95%	60 - 140	
Toluene-d <sub>8</sub>	92%	93%	92%	91%	90%	60 - 140	
4-Bromofluorobenzene	102%	100%	102%	100%	99%	60 - 140	
	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02	VOC4- 073120-02		

ND= Value less than reporting limit



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Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B3-10	B4-0.5	B4-5	B4-6	B5-0.5		
<u>Jones ID:</u>	ST-15877-14	ST-15877-15	ST-15877-17	ST-15877-18	ST-15877-19	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	95%	96%	100%	100%	97%	60 - 140	
Toluene-d <sub>8</sub>	92%	91%	97%	99%	95%	60 - 140	
4-Bromofluorobenzene	101%	101%	90%	90%	89%	60 - 140	
	VOC4- 073120-02	VOC4- 073120-02	VOC3- 080320-01	VOC3- 080320-01	VOC3- 080320-01		

ND= Value less than reporting limit



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**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B5-5	B5-6	B6-0.5	B6-2.5	B6-7.5		
<u>Jones ID:</u>	ST-15877-21	ST-15877-22	ST-15877-23	ST-15877-24	ST-15877-26	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	99%	99%	95%	99%	105%	60 - 140	
Toluene-d <sub>8</sub>	97%	97%	96%	98%	100%	60 - 140	
4-Bromofluorobenzene	98%	93%	94%	90%	91%	60 - 140	
	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01		

ND= Value less than reporting limit



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**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B7-2.5	B7-5	B7-7	B8-0.5	B8-7		
<u>Jones ID:</u>	ST-15877-28	ST-15877-29	ST-15877-30	ST-15877-31	ST-15877-34	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	99%	98%	95%	103%	95%	60 - 140	
Toluene-d <sub>8</sub>	97%	96%	95%	96%	95%	60 - 140	
4-Bromofluorobenzene	95%	94%	94%	91%	91%	60 - 140	
	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01	VOC3-080320-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/30-8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B12-2.5	B12-6	B18-0.5	B18-5		
<u>Jones ID:</u>	ST-15877-36	ST-15877-38	ST-15887-43	ST-15877-45	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
<u>Surrogate Recoveries:</u>					<u>QC Limits</u>	
Dibromofluoromethane	129%	136%	99%	98%	60 - 140	
Toluene-d <sub>8</sub>	125%	133%	100%	99%	60 - 140	
4-Bromofluorobenzene	121%	136%	95%	96%	60 - 140	
	VOC4- 080320-01	VOC4- 080320-01	VOC4- 080320-01	VOC4- 080320-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/30/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 7/30-8/4/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>Jones ID:</u>	073120- V4MB2	080320- V3MB1	080320- V4MB1	080420- V4MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
Benzene	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>Jones ID:</u>	073120- V4MB2	080320- V3MB1	080320- V4MB1	080420- V4MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
trans-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1		
<u>Surrogate Recoveries:</u>					<u>QC Limits</u>	
Dibromofluoromethane	95%	98%	120%	97%	60 - 140	
Toluene-d <sub>8</sub>	96%	95%	116%	102%	60 - 140	
4-Bromofluorobenzene	104%	92%	122%	105%	60 - 140	
	VOC4- 073120-02	VOC3- 080320-01	VOC4- 080320-01	VOC4- 080420-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 7/30-8/4/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC4-073120-02		
Jones ID:	073120-V4MS2	073120-V4MSD2		073120-V4CCV2		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	79%	77%	2.5%	60 - 140	84%	80 - 120
1,1-Dichloroethene	145% <sup>1</sup>	146% <sup>1</sup>	1.1%	60 - 140	160% <sup>1</sup>	80 - 120
Cis-1,2-Dichloroethene	108%	107%	0.7%	70 - 130	106%	80 - 120
1,1,1-Trichloroethane	103%	101%	2.5%	70 - 130	112%	80 - 120
Benzene	107%	104%	3.1%	70 - 130	111%	80 - 120
Trichloroethene	105%	104%	1.1%	70 - 130	111%	80 - 120
Toluene	104%	102%	2.2%	70 - 130	110%	80 - 120
Tetrachloroethene	95%	94%	0.9%	70 - 130	103%	80 - 120
Chlorobenzene	98%	95%	2.4%	70 - 130	103%	80 - 120
Ethylbenzene	107%	105%	2.1%	70 - 130	113%	80 - 120
1,2,4 Trimethylbenzene	103%	102%	1.1%	70 - 130	111%	80 - 120
Gasoline Range Organics (C4-C12)	105%	103%	2.2%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	93%	93%		60 - 140	91%	60 - 140
Toluene-d <sub>8</sub>	96%	96%		60 - 140	98%	60 - 140
4-Bromofluorobenzene	102%	103%		60 - 140	108%	60 - 140

<sup>1</sup> = Value exceeds acceptability range. All detections of 1,1 - dichloroethene reported as estimates.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 7/30-8/4/2020

**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b>Sample Spiked:</b>	<b>CLEAN SOIL</b>		<b>GC#:</b>	<b>VOC3-080320-01</b>		
<b>Jones ID:</b>	<b>080320-V3MS1</b>	<b>080320-V3MSD1</b>		<b>080320-V3CCV1</b>		
<u>Parameter</u>	<u>MS</u> Recovery (%)	<u>MSD</u> Recovery (%)	<u>RPD</u>	<u>Acceptability</u> Range (%)	<u>CCV</u>	<u>Acceptability</u> Range (%)
Vinyl chloride	105%	108%	3.1%	60 - 140	104%	80 - 120
1,1-Dichloroethene	106%	107%	0.4%	60 - 140	86%	80 - 120
Cis-1,2-Dichloroethene	115%	111%	3.2%	70 - 130	99%	80 - 120
1,1,1-Trichloroethane	102%	105%	2.8%	70 - 130	124% <sup>1</sup>	80 - 120
Benzene	109%	105%	3.7%	70 - 130	112%	80 - 120
Trichloroethene	107%	101%	6.3%	70 - 130	108%	80 - 120
Toluene	114%	112%	2.1%	70 - 130	116%	80 - 120
Tetrachloroethene	110%	105%	4.2%	70 - 130	117%	80 - 120
Chlorobenzene	112%	116%	3.6%	70 - 130	116%	80 - 120
Ethylbenzene	112%	109%	2.2%	70 - 130	110%	80 - 120
1,2,4 Trimethylbenzene	112%	110%	1.9%	70 - 130	112%	80 - 120
Gasoline Range Organics (C4-C12)	112%	109%	2.4%	70 - 130		
<b><u>Surrogate Recovery:</u></b>						
Dibromofluoromethane	91%	92%		60 - 140	80%	60 - 140
Toluene-d <sub>8</sub>	98%	95%		60 - 140	99%	60 - 140
4-Bromofluorobenzene	94%	99%		60 - 140	96%	60 - 140

<sup>1</sup> = Value exceeds acceptability range. MS, MSD and %RPD within limits. Data accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloh	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	7/30-8/4/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC4-080320-01		
Jones ID:	080320-V4MS1	080320-V4MSD1		080320-V4CCV1		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	72%	74%	2.5%	60 - 140	86%	80 - 120
1,1-Dichloroethene	62%	66%	5.9%	60 - 140	73% <sup>1</sup>	80 - 120
Cis-1,2-Dichloroethene	111%	109%	1.8%	70 - 130	109%	80 - 120
1,1,1-Trichloroethane	96%	101%	4.5%	70 - 130	113%	80 - 120
Benzene	109%	106%	3.3%	70 - 130	119%	80 - 120
Trichloroethene	108%	103%	4.8%	70 - 130	118%	80 - 120
Toluene	108%	100%	7.9%	70 - 130	113%	80 - 120
Tetrachloroethene	100%	92%	8.2%	70 - 130	107%	80 - 120
Chlorobenzene	97%	94%	2.8%	70 - 130	104%	80 - 120
Ethylbenzene	114%	107%	5.8%	70 - 130	119%	80 - 120
1,2,4 Trimethylbenzene	112%	104%	7.4%	70 - 130	118%	80 - 120
Gasoline Range Organics (C4-C12)	111%	104%	6%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	103%	108%		60 - 140	116%	60 - 140
Toluene-d <sub>8</sub>	108%	110%		60 - 140	126%	60 - 140
4-Bromofluorobenzene	111%	113%		60 - 140	137%	60 - 140

<sup>1</sup> = Recovery outside of acceptable limits. MS/MSD recoveries and %RSD were within QC limits, therefore data was accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloh	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	7/30-8/4/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b>Sample Spiked:</b>	CLEAN SOIL		<b>GC#:</b>	VOC4-080420-01		
<b>Jones ID:</b>	<b>080420-V4MS1</b>	<b>080420-V4MSD1</b>		<b>080420-V4CCV1</b>		
	MS	MSD		Acceptability		Acceptability
<u>Parameter</u>	<u>Recovery (%)</u>	<u>Recovery (%)</u>	<u>RPD</u>	<u>Range (%)</u>	<u>CCV</u>	<u>Range (%)</u>
Vinyl chloride	73%	68%	7.6%	60 - 140	101%	80 - 120
1,1-Dichloroethene	94%	88%	6.8%	60 - 140	104%	80 - 120
Cis-1,2-Dichloroethene	114%	110%	3.5%	70 - 130	100%	80 - 120
1,1,1-Trichloroethane	112%	104%	7.6%	70 - 130	108%	80 - 120
Benzene	112%	106%	5.5%	70 - 130	108%	80 - 120
Trichloroethene	115%	109%	5.1%	70 - 130	111%	80 - 120
Toluene	112%	107%	5.0%	70 - 130	108%	80 - 120
Tetrachloroethene	107%	99%	7.0%	70 - 130	104%	80 - 120
Chlorobenzene	107%	104%	3.4%	70 - 130	103%	80 - 120
Ethylbenzene	122%	118%	3.4%	70 - 130	115%	80 - 120
1,2,4 Trimethylbenzene	122%	117%	4.4%	70 - 130	115%	80 - 120
Gasoline Range Organics (C4-C12)	117%	112%	4.5%	70 - 130		
<b><u>Surrogate Recovery:</u></b>						
Dibromofluoromethane	95%	96%		60 - 140	93%	60 - 140
Toluene-d <sub>8</sub>	102%	99%		60 - 140	105%	60 - 140
4-Bromofluorobenzene	101%	103%		60 - 140	120%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B1-0.5	B1-2.5	B1-5	B1-10	B2-0.5		
<u>Jones ID:</u>	ST-15877-01	ST-15877-02	ST-15877-03	ST-15877-04	ST-15877-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	<b>78.0</b>	<b>210</b>	<b>858*</b>	<b>186</b>	<b>193</b>	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	<b>1.4</b>	<b>1.4</b>	<b>1.7</b>	<b>1.1</b>	<b>1.2</b>	0.5	mg/kg
Cobalt, Co	<b>7.4</b>	<b>7.5</b>	<b>7.2</b>	<b>5.7</b>	<b>6.5</b>	0.5	mg/kg
Chromium, Cr	<b>15.4</b>	<b>16.8</b>	<b>17.5</b>	<b>9.4</b>	<b>12.2</b>	0.5	mg/kg
Copper, Cu	<b>18.5</b>	<b>15.7</b>	<b>54.3</b>	<b>9.9</b>	<b>11.8</b>	0.5	mg/kg
Molybdenum, Mo	<b>1.0</b>	<b>0.6</b>	<b>1.3</b>	<b>0.7</b>	<b>0.5</b>	0.5	mg/kg
Nickel, Ni	<b>13.4</b>	<b>16.4</b>	<b>25.2</b>	<b>7.7</b>	<b>9.2</b>	0.5	mg/kg
Lead, Pb	<b>32.1</b>	<b>10.3</b>	<b>13.2</b>	<b>1.8</b>	<b>3.3</b>	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	<b>31.2</b>	<b>26.7</b>	<b>35.9</b>	<b>21.6</b>	<b>23.1</b>	0.5	mg/kg
Zinc, Zn	<b>69.0</b>	<b>91.7</b>	<b>336</b>	<b>72.9</b>	<b>75.4</b>	3.0	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1/10*	1	1		
<b><u>Batch:</u></b>	I20080303	I20080303	I20080303	I20080303	I20080303		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B1-0.5	B1-2.5	B1-5	B1-10	B2-0.5		
<u>Jones ID:</u>	ST-15877-01	ST-15877-02	ST-15877-03	ST-15877-04	ST-15877-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	<b>0.051</b>	<b>0.047</b>	<b>0.061</b>	<b>0.033</b>	<b>0.029</b>	0.020	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Batch:</u></b>	H20080301	H20080301	H20080301	H20080301	H20080301		

ND = Value less than reporting limit

\*= Dilutions for these compound(s); first number for all others



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B2-2.5	B2-5	B2-8.5	B2-10	B3-0.5		
<u>Jones ID:</u>	ST-15877-06	ST-15877-07	ST-15877-08	ST-15877-09	ST-15877-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	70.3	111	119	71.5	102	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.3	1.7	1.7	1.1	1.7	0.5	mg/kg
Cobalt, Co	8.2	9.4	10.3	6.3	9.8	0.5	mg/kg
Chromium, Cr	14.1	16.2	17.6	10.5	17.7	0.5	mg/kg
Copper, Cu	13.9	16.5	22.6	10.6	18.3	0.5	mg/kg
Molybdenum, Mo	0.6	0.6	ND	1.0	ND	0.5	mg/kg
Nickel, Ni	10.6	14.4	15.1	9.2	13.1	0.5	mg/kg
Lead, Pb	4.3	3.4	3.7	1.5	6.7	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	24.8	34.2	34.6	21.1	33.9	0.5	mg/kg
Zinc, Zn	31.1	51.8	47.9	27.1	39.3	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	I20080303	I20080303	I20080303	I20080303	I20080303		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B2-2.5	B2-5	B2-8.5	B2-10	B3-0.5		
<u>Jones ID:</u>	ST-15877-06	ST-15877-07	ST-15877-08	ST-15877-09	ST-15877-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.329	0.078	0.049	0.038	0.033	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20080301	H20080301	H20080301	H20080301	H20080301		

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**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B3-2.5	B3-5	B3-8.5	B3-10	B4-0.5		
<u>Jones ID:</u>	ST-15877-11	ST-15877-12	ST-15877-13	ST-15877-14	ST-15877-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	3.9	5.0	mg/kg
Barium, Ba	73.7	94.0	128	104	174	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.3	3.8	1.9	1.6	1.9	0.5	mg/kg
Cobalt, Co	6.9	10.4	10.7	9.0	8.6	0.5	mg/kg
Chromium, Cr	13.4	23.5	18.2	15.5	39.2	0.5	mg/kg
Copper, Cu	12.2	31.8	23.9	17.4	77.9	0.5	mg/kg
Molybdenum, Mo	ND	ND	ND	0.5	2.4	0.5	mg/kg
Nickel, Ni	9.0	26.4	15.9	13.1	21.0	0.5	mg/kg
Lead, Pb	5.1	9.4	3.7	2.4	30.4	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	25.4	38.7	35.1	29.8	35.2	0.5	mg/kg
Zinc, Zn	27.4	58.6	50.6	42.4	90.2	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	I20080303	I20080303	I20080303	I20080303	I20080303		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B3-2.5	B3-5	B3-8.5	B3-10	B4-0.5		
<u>Jones ID:</u>	ST-15877-11	ST-15877-12	ST-15877-13	ST-15877-14	ST-15877-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.021	0.058	0.079	0.072	0.124	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20080301	H20080301	H20080301	H20080301	H20080301		

ND = Value less than reporting limit



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**Project Address:** Port of LA  
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**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B4-2.5	B4-5	B4-6	B5-0.5	B5-2.5		
<u>Jones ID:</u>	ST-15877-16	ST-15877-17	ST-15877-18	ST-15877-19	ST-15877-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	74.4	74.7	73.7	145	60.0	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.5	1.4	1.2	1.7	1.2	0.5	mg/kg
Cobalt, Co	7.4	7.3	6.4	8.2	6.2	0.5	mg/kg
Chromium, Cr	13.0	12.8	11.5	18.9	11.3	0.5	mg/kg
Copper, Cu	11.4	12.2	12.0	27.0	8.1	0.5	mg/kg
Molybdenum, Mo	0.6	0.7	0.8	0.8	0.6	0.5	mg/kg
Nickel, Ni	10.2	11.2	9.1	18.7	8.4	0.5	mg/kg
Lead, Pb	2.4	4.4	2.0	17.5	2.1	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	24.2	24.2	23.0	36.1	21.4	0.5	mg/kg
Zinc, Zn	39.1	42.7	31.0	65.6	31.5	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080303	I20080303	I20080303	I20080303	I20080304		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B4-2.5	B4-5	B4-6	B5-0.5	B5-2.5		
<u>Jones ID:</u>	ST-15877-16	ST-15877-17	ST-15877-18	ST-15877-19	ST-15877-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.053	0.035	0.023	0.129	0.041	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20080301	H20080301	H20080301	H20080301	H20080301		

ND = Value less than reporting limit



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**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B5-5	B5-6	B6-0.5	B6-2.5	B6-5		
<u>Jones ID:</u>	ST-15877-21	ST-15877-22	ST-15877-23	ST-15877-24	ST-15877-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	111	81.0	88.6	82.9	109	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	2.0	1.4	2.1	1.6	1.8	0.5	mg/kg
Cobalt, Co	10.9	7.1	8.0	8.8	10.8	0.5	mg/kg
Chromium, Cr	19.6	15.6	17.6	14.2	19.4	0.5	mg/kg
Copper, Cu	17.2	12.5	17.4	11.6	23.0	0.5	mg/kg
Molybdenum, Mo	0.8	0.9	0.6	0.5	ND	0.5	mg/kg
Nickel, Ni	15.8	11.5	20.0	11.5	16.1	0.5	mg/kg
Lead, Pb	5.0	9.7	23.4	2.2	5.0	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	35.3	25.5	31.5	27.3	35.5	0.5	mg/kg
Zinc, Zn	59.3	51.0	262	44.6	49.4	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080304	I20080304	I20080304	I20080304	I20080304		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B5-5	B5-6	B6-0.5	B6-2.5	B6-5		
<u>Jones ID:</u>	ST-15877-21	ST-15877-22	ST-15877-23	ST-15877-24	ST-15877-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.062	0.127	0.029	0.075	0.043	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20080302	H20080302	H20080302	H20080302	H20080302		

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Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B6-7.5	B7-0.5	B7-2.5	B7-5	B7-7		
<u>Jones ID:</u>	ST-15877-26	ST-15877-27	ST-15877-28	ST-15877-29	ST-15877-30	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	73.9	134	102	59.4	84.7	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.4	1.8	2.0	1.2	1.7	0.5	mg/kg
Cobalt, Co	7.9	8.6	9.2	6.0	9.2	0.5	mg/kg
Chromium, Cr	12.0	18.1	20.6	10.7	16.0	0.5	mg/kg
Copper, Cu	13.4	18.0	22.3	7.2	15.6	0.5	mg/kg
Molybdenum, Mo	0.6	0.9	1.3	0.6	ND	0.5	mg/kg
Nickel, Ni	10.4	19.2	21.0	7.9	12.7	0.5	mg/kg
Lead, Pb	2.5	18.9	25.7	1.6	3.4	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	32.6	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	27.0	32.7	36.0	19.7	ND	0.5	mg/kg
Zinc, Zn	35.8	67.8	71.8	30.2	48.9	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080304	I20080304	I20080304	I20080304	I20080304		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B6-7.5	B7-0.5	B7-2.5	B7-5	B7-7		
<u>Jones ID:</u>	ST-15877-26	ST-15877-27	ST-15877-28	ST-15877-29	ST-15877-30	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.029	0.110	0.117	0.030	0.590	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20080302	H20080302	H20080302	H20080302	H20080302		

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**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B8-0.5	B8-2.5	B8-5	B8-7	B12-0.5		
<u>Jones ID:</u>	ST-15877-31	ST-15877-32	ST-15877-33	ST-15877-34	ST-15877-35	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	12.0	ND	5.0	mg/kg
Barium, Ba	139	155	72.4	125	408	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.2	1.6	1.4	2.9	1.6	0.5	mg/kg
Cobalt, Co	5.3	6.9	7.5	14.0	6.7	0.5	mg/kg
Chromium, Cr	13.1	15.3	12.5	34.5	19.0	0.5	mg/kg
Copper, Cu	18.0	15.3	9.5	47.5	22.4	0.5	mg/kg
Molybdenum, Mo	1.3	0.8	ND	0.9	1.2	0.5	mg/kg
Nickel, Ni	14.8	13.8	10.5	23.0	20.9	0.5	mg/kg
Lead, Pb	20.7	10.4	1.9	15.0	35.7	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	24.1	29.7	23.3	58.4	29.4	0.5	mg/kg
Zinc, Zn	58.3	64.6	45.9	112	104	3.0	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Batch:</u></b>	I20080304	I20080304	I20080304	I20080304	I20080304		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B8-0.5	B8-2.5	B8-5	B8-7	B12-0.5		
<u>Jones ID:</u>	ST-15877-31	ST-15877-32	ST-15877-33	ST-15877-34	ST-15877-35	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.072	0.046	0.033	0.237	0.101	0.020	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Batch:</u></b>	H20080302	H20080302	H20080302	H20080302	H20080302		

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**Project Address:** Port of LA  
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**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B12-2.5	B12-5	B12-6	B17-0.5	B17-2.5		
<u>Jones ID:</u>	ST-15877-36	ST-15877-37	ST-15877-38	ST-15877-39	ST-15877-40	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	1330*	53.1	96.0	97.4	95.7	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.6	0.8	0.6	1.6	1.5	0.5	mg/kg
Cobalt, Co	7.1	3.9	3.0	7.6	7.9	0.5	mg/kg
Chromium, Cr	15.2	8.2	7.9	22.0	20.2	0.5	mg/kg
Copper, Cu	14.5	4.3	3.3	22.7	31.8	0.5	mg/kg
Molybdenum, Mo	1.4	0.7	1.3	0.9	1.0	0.5	mg/kg
Nickel, Ni	18.8	5.4	3.9	20.7	26.4	0.5	mg/kg
Lead, Pb	16.3	1.7	1.3	32.6	34.2	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	31.6	15.7	12.8	36.1	32.3	0.5	mg/kg
Zinc, Zn	53.1	22.5	17.2	151	117	3.0	mg/kg
<b><u>Dilution Factor</u></b>	1/10*	1	1	1	1		
<b><u>Batch:</u></b>	I20080304	I20080304	I20080302	I20080302	I20080302		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B12-2.5	B12-5	B12-6	B17-0.5	B17-2.5		
<u>Jones ID:</u>	ST-15877-36	ST-15877-37	ST-15877-38	ST-15877-39	ST-15877-40	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.059	0.027	0.031	ND	0.096	0.020	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Batch:</u></b>	H20080302	H20080302	H20080302	H20080302	H20080302		

ND = Value less than reporting limit

\*= Dilutions for these compound(s); first number for all others



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B17-5	B17-7.5	B18-0.5	B18-2.5	B18-5		
<u>Jones ID:</u>	ST-15877-41	ST-15877-42	ST-15877-43	ST-15877-44	ST-15877-45	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	56.3	47.0	61.0	112	42.5	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.0	0.8	0.9	1.2	0.6	0.5	mg/kg
Cobalt, Co	5.4	4.8	4.6	7.4	3.7	0.5	mg/kg
Chromium, Cr	10.5	9.0	12.8	12.9	7.5	0.5	mg/kg
Copper, Cu	7.6	5.6	13.7	8.9	4.0	0.5	mg/kg
Molybdenum, Mo	ND	0.6	2.4	0.9	0.5	0.5	mg/kg
Nickel, Ni	8.5	6.9	13.7	21.5	4.9	0.5	mg/kg
Lead, Pb	2.8	1.6	10.7	4.4	1.0	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	18.4	15.6	29.5	31.8	12.1	0.5	mg/kg
Zinc, Zn	31.1	27.2	30.8	55.0	18.6	3.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080302	I20080302	I20080302	I20080302	I20080302		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B17-5	B17-7.5	B18-0.5	B18-2.5	B18-5		
<u>Jones ID:</u>	ST-15877-41	ST-15877-42	ST-15877-43	ST-15877-44	ST-15877-45	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.053	0.039	ND	0.034	0.022	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20073102	H20073102	H20073102	H20073102	H20073102		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

**Sample ID:** B18-6

**Jones ID:** ST-15877-46

**Analytes:**

		<u>Reporting Limit</u>	<u>Units</u>
Silver, Ag	ND	0.5	mg/kg
Arsenic, As	ND	5.0	mg/kg
Barium, Ba	47.9	0.5	mg/kg
Beryllium, Be	ND	0.5	mg/kg
Cadmium, Cd	0.9	0.5	mg/kg
Cobalt, Co	5.1	0.5	mg/kg
Chromium, Cr	8.8	0.5	mg/kg
Copper, Cu	6.0	0.5	mg/kg
Molybdenum, Mo	0.5	0.5	mg/kg
Nickel, Ni	6.9	0.5	mg/kg
Lead, Pb	1.0	0.5	mg/kg
Antimony, Sb	ND	5.0	mg/kg
Selenium, Se	ND	5.0	mg/kg
Thallium, Tl	1.0	5.0	mg/kg
Vanadium, V	15.5	0.5	mg/kg
Zinc, Zn	26.6	3.0	mg/kg

**Dilution Factor** 1

**Batch:** I20080302

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

**Sample ID:** B18-6

**Jones ID:** ST-15877-46

		<u>Reporting Limit</u>	<u>Units</u>
Mercury, Hg	0.026	0.020	mg/kg

**Dilution Factor** 1

**Batch:** H20073102

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 08/1-5/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** I20080303

**Prepared:** 8/3/2020

**Analyzed:** 8/5/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200803-MB3</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					3.0	mg/kg

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	08/1-5/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** I20080303      **Prepared:** 8/3/2020      **Analyzed:** 8/5/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200803-LCS3</b>					
Barium, Ba	218	200	109%		80 - 120	mg/kg
Cobalt, Co	54.1	50.0	108%		80 - 120	mg/kg
Lead, Pb	56.2	50.0	112%		80 - 120	mg/kg
Selenium, Se	199	200	100%		80 - 120	mg/kg
Zinc, Zn	50.3	50.0	101%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200803-LCSD3</b>					
Barium, Ba	226	200	113%	3.6%	80 - 120	mg/kg
Cobalt, Co	56.1	50.0	112%	3.6%	80 - 120	mg/kg
Lead, Pb	54.9	50.0	110%	2.3%	80 - 120	mg/kg
Selenium, Se	196	200	98%	1.5%	80 - 120	mg/kg
Zinc, Zn	49.9	50.0	100%	0.8%	80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200803-CCV3</b>					
Barium, Ba	0.98	1.00	98%		90-110	mg/L
Cobalt, Co	1.01	1.00	101%		90-110	mg/L
Lead, Pb	1.00	1.00	100%		90-110	mg/L
Selenium, Se	0.98	1.00	98%		90-110	mg/L
Zinc, Zn	0.96	1.00	96%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 08/1-5/2020

**Physical State:** Soil

**BATCH:** H20080301      **Prepared:** 8/3/2020      **Analyzed:** 8/4/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200803-MB1</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200803-LCS1</b>						
Mercury, Hg	1.02	1.00	102%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200803-LCSD1</b>						
Mercury, Hg	1.06	1.00	106%	3.8%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200804-CCV1</b>						
Mercury, Hg	4.60	5.00	92%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

**BATCH:** I20080304

**Prepared:** 8/3/2020

**Analyzed:** 8/5/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200803-MB4</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					3.0	mg/kg

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

**BATCH:** I20080304 **Prepared:** 8/3/2020 **Analyzed:** 8/5/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200803-LCS4</b>					
Barium, Ba	228	200	114%		80 - 120	mg/kg
Cobalt, Co	56.8	50.0	114%		80 - 120	mg/kg
Lead, Pb	58.5	50.0	117%		80 - 120	mg/kg
Selenium, Se	205	200	103%		80 - 120	mg/kg
Zinc, Zn	52.0	50.0	104%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200803-LCSD4</b>					
Barium, Ba	229	200	115%	0.4%	80 - 120	mg/kg
Cobalt, Co	57.6	50.0	115%	1.4%	80 - 120	mg/kg
Lead, Pb	58.6	50.0	117%	0.2%	80 - 120	mg/kg
Selenium, Se	206	200	103%	0.5%	80 - 120	mg/kg
Zinc, Zn	52.6	50.0	105%	1.1%	80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200803-CCV4</b>					
Barium, Ba	1.02	1.00	102%		90-110	mg/L
Cobalt, Co	1.03	1.00	103%		90-110	mg/L
Lead, Pb	1.02	1.00	102%		90-110	mg/L
Selenium, Se	0.98	1.00	98%		90-110	mg/L
Zinc, Zn	0.99	1.00	99%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 08/1-5/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** H20080302      **Prepared:** 8/3/2020      **Analyzed:** 8/4/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200803-MB2</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200803-LCS2</b>						
Mercury, Hg	1.03	1.00	103%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200803-LCSD2</b>						
Mercury, Hg	1.07	1.00	107%	3.8%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200804-CCV2</b>						
Mercury, Hg	5.39	5.00	108%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 08/1-5/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** I20080303

**Prepared:** 8/3/2020

**Analyzed:** 8/4/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200803-MB3</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					3.0	mg/kg

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 08/1-5/2020  
**Physical State:** Soil

**BATCH:** I20080303      **Prepared:** 8/3/2020      **Analyzed:** 8/4/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200803-LCS2</b>					
Barium, Ba	213	200	107%		80 - 120	mg/kg
Cobalt, Co	49.3	50.0	99%		80 - 120	mg/kg
Lead, Pb	53.1	50.0	106%		80 - 120	mg/kg
Selenium, Se	196	200	98%		80 - 120	mg/kg
Zinc, Zn	46.7	50.0	93%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200803-LCSD2</b>					
Barium, Ba	216	200	108%	1.4%	80 - 120	mg/kg
Cobalt, Co	50.4	50.0	101%	2.2%	80 - 120	mg/kg
Lead, Pb	54.2	50.0	108%	2.1%	80 - 120	mg/kg
Selenium, Se	199	200	100%	1.5%	80 - 120	mg/kg
Zinc, Zn	46.7	50.0	93%		80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200803-CCV2</b>					
Barium, Ba	1.00	1.00	100%		90-110	mg/L
Cobalt, Co	1.02	1.00	102%		90-110	mg/L
Lead, Pb	1.20	1.00	120%		90-110	mg/L
Selenium, Se	1.01	1.00	101%		90-110	mg/L
Zinc, Zn	0.94	1.00	94%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 08/1-5/2020

**Physical State:** Soil

**BATCH:** H20073102 **Prepared:** 7/31/2020 **Analyzed:** 8/1/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200731-MB2</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200731-LCS2</b>						
Mercury, Hg	1.07	1.00	107%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200731-LCSD2</b>						
Mercury, Hg	1.07	1.00	107%	0.7%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200801-CCV1</b>						
Mercury, Hg	5.02	5.00	100%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:**

B1-0.5

**Jones ID:** ST-15877-01

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 53%  
Decachlorobiphenyl 56%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B2-0.5 **Jones ID:** ST-15877-05

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 37%  
Decachlorobiphenyl 55%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B3-0.5 **Jones ID:** ST-15877-10

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 64%  
Decachlorobiphenyl 64%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B4-0.5 **Jones ID:** ST-15877-15

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
<b>Dieldrin</b>	<b>16.2</b>	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 44%  
Decachlorobiphenyl 52%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B5-0.5 **Jones ID:** ST-15877-19

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 35%  
Decachlorobiphenyl 45%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B6-0.5 **Jones ID:** ST-15877-23

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 33%  
Decachlorobiphenyl 91%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B7-0.5 **Jones ID:** ST-15877-27

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 31%  
Decachlorobiphenyl 33%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B8-0.5 **Jones ID:** ST-15877-31

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 35%  
Decachlorobiphenyl 73%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B12-0.5 **Jones ID:** ST-15877-35

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 36%  
Decachlorobiphenyl 43%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B17-0.5

**Jones ID:** ST-15877-39

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 33%  
Decachlorobiphenyl 39%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B18-0.5

**Jones ID:** ST-15877-43

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 43%  
Decachlorobiphenyl 40%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB1-080720ECD4

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 106%  
Decachlorobiphenyl 89%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/7/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** ECD4\_080720\_01      **Prepared:** 8/7/2020      **Analyzed:** 8/7/2020

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	LCS	LCSD	% RPD	Spike Level	% Recovery Limits	Units
LCS1-080720EC1 LCSD1-080720ECD4						
<b>Analytes:</b>						
α-BHC	127	131	3%	100	60 - 140	ppb
γ-Chlordane	127	135	6%	100	60 - 140	ppb
Aldrin	116	123	6%	100	60 - 140	ppb
4,4'-DDD	106	109	3%	100	60 - 140	ppb
4,4'-DDE	115	122	6%	100	60 - 140	ppb
4,4'-DDT	90.4	98.6	9%	100	60 - 140	ppb
Dieldrin	127	130	2%	100	60 - 140	ppb
Endosulfan I	116	125	7%	100	60 - 140	ppb
Endosulfan II	115	126	9%	100	60 - 140	ppb
Endrin	120	129	7%	100	60 - 140	ppb
Endrin ketone	109	119	9%	100	60 - 140	ppb
Heptachlor	119	123	3%	100	60 - 140	ppb
Heptachlor epoxide	119	127	6%	100	60 - 140	ppb

### Surrogate Recoveries:

TCMX	92%	103%	30 - 120
Decachlorobiphenyl	79%	87%	30 - 120

LCS= Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**BATCH:** ECD4\_080720\_01      **Prepared:** 8/7/2020      **Analyzed:** 8/7/2020

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	Result	Spike Level	% Recovery	% Recovery Limits	Units
<b>CCV: CCV1-080720ECD4</b>					
<b>Analytes:</b>					
α-BHC	118	100	118%	80-120	ppb
γ-Chlordane	119	100	119%	80-120	ppb
Aldrin	117	100	117%	80-120	ppb
4,4'-DDD	118	100	118%	80-120	ppb
4,4'-DDE	118	100	118%	80-120	ppb
4,4'-DDT	104	100	104%	80-120	ppb
Dieldrin	118	100	118%	80-120	ppb
Endosulfan I	119	100	119%	80-120	ppb
Endosulfan II	118	100	118%	80-120	ppb
Endrin	117	100	117%	80-120	ppb
Endrin ketone	111	100	111%	80-120	ppb
Heptachlor	117	100	117%	80-120	ppb
Heptachlor epoxide	115	100	115%	80-120	ppb
<b>Surrogate Recovery:</b>					
TCMX	96%			30-120	
Decachlorobiphenyl	80%			30-120	

CCV= Continuing Calibration Verification



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B1-0.5

**Jones ID:** ST-15877-01

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 62%  
Decachlorobiphenyl 67%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B2-0.5

**Jones ID:** ST-15877-05

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 79%  
Decachlorobiphenyl 65%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B3-0.5

**Jones ID:** ST-15877-10

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 72%  
Decachlorobiphenyl 75%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B4-0.5

**Jones ID:** ST-15877-15

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 55%  
Decachlorobiphenyl 63%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B5-0.5

**Jones ID:** ST-15877-19

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 47%  
Decachlorobiphenyl 57%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B6-0.5

**Jones ID:** ST-15877-23

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 41%  
Decachlorobiphenyl 87%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B7-0.5

**Jones ID:** ST-15877-27

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 37%  
Decachlorobiphenyl 66%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B8-0.5

**Jones ID:** ST-15877-31

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 47%  
Decachlorobiphenyl 41%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B12-0.5

**Jones ID:** ST-15877-35

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 37%  
Decachlorobiphenyl 56%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B17-0.5

**Jones ID:** ST-15877-39

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 31%  
Decachlorobiphenyl 42%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B18-0.5

**Jones ID:** ST-15877-43

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 54%  
Decachlorobiphenyl 53%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB2-080720ECD4

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4-080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 76%  
Decachlorobiphenyl 70%

### QC Limits

30-120  
30-120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/7/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** ECD4-080720\_02      **Prepared:** 8/6/2020      **Analyzed:** 8/7/2020

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS2-080720ECD4		SAMPLE SPIKED:		CLEAN SOIL		
Analytes:							
Aroclor 1016	374	500		75%		50 - 120	ppb
Aroclor 1260	351	500		70%		50 - 120	ppb
Surrogate Recoveries:							
TCMX				60%		30 - 120	
Decachlorobiphenyl				60%		30 - 120	

<b>LCSD:</b>	<b>LCSD2-080720ECD4</b>		<b>SAMPLE SPIKED:</b>		<b>CLEAN SOIL</b>		
Aroclor 1016	392	500		78%	4.7%	50 - 120	ppb
Aroclor 1260	373	500		75%	6.1%	50 - 120	ppb
<b>Surrogate Recovery:</b>							
TCMX				68%		30 - 120	
Decachlorobiphenyl				64%		30 - 120	

CCV:		CCV2-080720ECD4				
Analytes:						
Aroclor 1016	580	500	116%	80-120	ppb	
Aroclor 1260	546	500	109%	80-120	ppb	
Surrogate Recoveries:						
TCMX			119%	80-120		
Decachlorobiphenyl			108%	80-120		

LCS= Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV= Continuing Calibration Verification  
RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/30/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Water

### EPA 8015M – Extended Range Hydrocarbons

**Sample ID:**                      B1-GW          B4-GW          B6-GW          B17-GW          B12-GW

**Jones ID:**                      ST-15877-47   ST-15877-48   ST-15877-49   ST-15877-50   ST-15877-51

**Reporting Limit**                      **Units**

**Carbon Chain Range**

C13 - C22	ND	ND	ND	ND	ND	1.0	mg/L
C23 - C40	ND	ND	ND	ND	ND	1.0	mg/L
C10 - C28	ND	ND	ND	ND	ND	1.0	mg/L
C29 - C40	ND	ND	ND	ND	ND	1.0	mg/L

**Dilution Factor**                      1                      1                      1                      1                      1

**Surrogate Recovery:**

Hexacosane                      108%                      117%                      115%                      120%                      118%

**QC Limits**

30 - 120

Batch ID:                      FID7\_080520   FID7\_080520   FID7\_080520   FID7\_08052   FID7\_080520  
   \_02                      \_02                      \_02                      0\_02                      \_02

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Water

### EPA 8015M – Extended Range Hydrocarbons

**Sample ID:**                      **Method**  
   **Blank**

**Jones ID:**                              **MB2-**  
   **080520FID7**

**Carbon Chain Range**

		<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
C13 - C22	ND	1.0	mg/L
C23 - C40	ND	1.0	mg/L
C10 - C28	ND	1.0	mg/L
C29 - C40	ND	1.0	mg/L

**Dilution Factor**                      1

		<b><u>QC Limits</u></b>
<b><u>Surrogate Recovery:</u></b>		
Hexacosane	101%	30 - 120

Batch ID:                      FID7\_080520  
   \_02

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Water

**BATCH:** FID7\_080520\_02      **Prepared:** 8/5/2020      **Analyzed:** 8/6/2020

### EPA 8015M – Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS2-080520FID7	<b>SAMPLE SPIKED:</b>	CLEAN WATER			
<b>Analyte:</b>						
Diesel	<b>878</b>	1000	88%		60 - 140	mg/L
<b>Surrogate Recovery:</b>						
Hexacosane			97%		30 - 120	
<b>LCSD:</b>	LCSD2-080520FID7	<b>SAMPLE SPIKED:</b>	CLEAN WATER			
<b>Analyte:</b>						
Diesel	<b>884</b>	1000	88%	0.7%	60 - 140	mg/L
<b>Surrogate Recoveries:</b>						
Hexacosane			112%		30 - 120	
<b>CCV:</b>	CCV2-080520FID7					
<b>Analyte:</b>						
Diesel	<b>1040</b>	1000	104%		80 - 120	mg/L

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/5/2020  
**Physical State:** Water

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** B1-GW B4-GW B6-GW B17-GW B12-GW

**Jones ID:** ST-15877-47 ST-15877-48 ST-15877-49 ST-15877-50 ST-15877-51

**Reporting Limit** **Units**

#### Analytes:

Benzene	ND	ND	ND	ND	ND	0.5	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.5	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.5	µg/L
Bromoform	ND	ND	ND	ND	ND	0.5	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.5	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.5	µg/L
Chloroform	ND	ND	ND	ND	ND	0.5	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.5	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.5	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.5	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.5	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.5	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.5	µg/L
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.5	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.5	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.5	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.5	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.5	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.5	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.5	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.5	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.5	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.5	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.5	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.5	µg/L
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.5	µg/L

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B1-GW	B4-GW	B6-GW	B17-GW	B12-GW		
<u>Jones ID:</u>	ST-15877-47	ST-15877-48	ST-15877-49	ST-15877-50	ST-15877-51	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.5	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
Freon 11	ND	ND	ND	ND	ND	2.5	µg/L
Freon 12	ND	ND	ND	ND	ND	2.5	µg/L
Freon 113	ND	ND	ND	ND	ND	2.5	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.5	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.5	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.5	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.5	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
Styrene	ND	ND	ND	ND	ND	0.5	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.5	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.5	µg/L
Tetrachloroethene	1.0	ND	ND	ND	ND	0.5	µg/L
Toluene	ND	ND	ND	ND	ND	0.5	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.5	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.5	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.5	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.5	µg/L
Trichloroethene	2.7	ND	ND	ND	ND	0.5	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.5	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.5	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.5	µg/L
m,p-Xylene	ND	ND	ND	ND	ND	1.0	µg/L
o-Xylene	ND	ND	ND	ND	ND	0.5	µg/L
Methyl-tert-butylether	ND	ND	ND	ND	ND	2.5	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	2.5	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	2.5	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	2.5	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	25.0	µg/L
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.10	mg/L
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Surrogate Recoveries:</b>						<u>QC Limits</u>	
Dibromofluoromethane	100%	102%	99%	100%	99%	60 - 140	
Toluene-d <sub>8</sub>	96%	98%	96%	96%	96%	60 - 140	
4-Bromofluorobenzene	91%	92%	91%	89%	91%	60 - 140	
	VOC3-080520-01	VOC3-080520-01	VOC3-080520-01	VOC3-080520-01	VOC3-080520-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/5/2020  
**Physical State:** Water

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** METHOD  
BLANK

**Jones ID:** 080520-  
V3MB1

		<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>			
Benzene	ND	0.5	µg/L
Bromobenzene	ND	0.5	µg/L
Bromodichloromethane	ND	0.5	µg/L
Bromoform	ND	0.5	µg/L
n-Butylbenzene	ND	0.5	µg/L
sec-Butylbenzene	ND	0.5	µg/L
tert-Butylbenzene	ND	0.5	µg/L
Carbon tetrachloride	ND	0.5	µg/L
Chlorobenzene	ND	0.5	µg/L
Chloroform	ND	0.5	µg/L
2-Chlorotoluene	ND	0.5	µg/L
4-Chlorotoluene	ND	0.5	µg/L
Dibromochloromethane	ND	0.5	µg/L
1,2-Dibromo-3-chloropropane	ND	0.5	µg/L
1,2-Dibromoethane (EDB)	ND	0.5	µg/L
Dibromomethane	ND	0.5	µg/L
1,2- Dichlorobenzene	ND	0.5	µg/L
1,3-Dichlorobenzene	ND	0.5	µg/L
1,4-Dichlorobenzene	ND	0.5	µg/L
1,1-Dichloroethane	ND	0.5	µg/L
1,2-Dichloroethane	ND	0.5	µg/L
1,1-Dichloroethene	ND	0.5	µg/L
cis-1,2-Dichloroethene	ND	0.5	µg/L
trans-1,2-Dichloroethene	ND	0.5	µg/L
1,2-Dichloropropane	ND	0.5	µg/L
1,3-Dichloropropane	ND	0.5	µg/L
2,2-Dichloropropane	ND	0.5	µg/L
1,1-Dichloropropene	ND	0.5	µg/L
cis-1,3-Dichloropropene	ND	0.5	µg/L

# JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<b>METHOD</b> <b>BLANK</b>		
<u>Jones ID:</u>	<b>080520- V3MB1</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>			
trans-1,3-Dichloropropene	ND	0.5	µg/L
Ethylbenzene	ND	0.5	µg/L
Freon 11	ND	2.5	µg/L
Freon 12	ND	2.5	µg/L
Freon 113	ND	2.5	µg/L
Hexachlorobutadiene	ND	0.5	µg/L
Isopropylbenzene	ND	0.5	µg/L
4-Isopropyltoluene	ND	0.5	µg/L
Methylene chloride	ND	0.5	µg/L
Naphthalene	ND	0.5	µg/L
n-Propylbenzene	ND	0.5	µg/L
Styrene	ND	0.5	µg/L
1,1,1,2-Tetrachloroethane	ND	0.5	µg/L
1,1,2,2-Tetrachloroethane	ND	0.5	µg/L
Tetrachloroethene	ND	0.5	µg/L
Toluene	ND	0.5	µg/L
1,2,3-Trichlorobenzene	ND	0.5	µg/L
1,2,4-Trichlorobenzene	ND	0.5	µg/L
1,1,1-Trichloroethane	ND	0.5	µg/L
1,1,2-Trichloroethane	ND	0.5	µg/L
Trichloroethene	ND	0.5	µg/L
1,2,3-Trichloropropane	ND	0.5	µg/L
1,2,4-Trimethylbenzene	ND	0.5	µg/L
1,3,5-Trimethylbenzene	ND	0.5	µg/L
Vinyl chloride	ND	0.5	µg/L
m,p-Xylene	ND	1.0	µg/L
o-Xylene	ND	0.5	µg/L
Methyl-tert-butylether	ND	2.5	µg/L
Ethyl-tert-butylether	ND	2.5	µg/L
Di-isopropylether	ND	2.5	µg/L
tert-amylmethylether	ND	2.5	µg/L
tert-Butylalcohol	ND	25.0	µg/L
Gasoline Range Organics (C4-C12)	ND	0.10	mg/L
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
Dibromofluoromethane	99%	60 - 140	
Toluene-d <sub>8</sub>	99%	60 - 140	
4-Bromofluorobenzene	96%	60 - 140	

VOC3-  
080520-01

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloh	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/5/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Water

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN WATER		GC#:	VOC3-080520-01		
Jones ID:	080520-V3MS1	080520-V3MSD1		080520-V3CCV1		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	92%	89%	3.2%	60 - 140	135% <sup>1</sup>	80 - 120
1,1-Dichloroethene	118%	107%	9.4%	60 - 140	91%	80 - 120
Cis-1,2-Dichloroethene	118%	117%	0.2%	70 - 130	104%	80 - 120
1,1,1-Trichloroethane	115%	111%	3.5%	70 - 130	119%	80 - 120
Benzene	114%	110%	3.5%	70 - 130	106%	80 - 120
Trichloroethene	115%	113%	1.6%	70 - 130	113%	80 - 120
Toluene	119%	111%	6.5%	70 - 130	114%	80 - 120
Tetrachloroethene	117%	107%	9.4%	70 - 130	112%	80 - 120
Chlorobenzene	114%	111%	2.7%	70 - 130	114%	80 - 120
Ethylbenzene	119%	114%	4.6%	70 - 130	107%	80 - 120
1,2,4 Trimethylbenzene	115%	111%	3.5%	70 - 130	110%	80 - 120
Gasoline Range Organics (C4-C12)	117%	112%	4.5%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	92%	93%		60 - 140	78%	60 - 140
Toluene-d <sub>8</sub>	99%	100%		60 - 140	98%	60 - 140
4-Bromofluorobenzene	96%	94%		60 - 140	95%	60 - 140

<sup>1</sup> = Value exceed acceptability range. MS, MSD and %RPD within range. Data accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/31-8/1/2020  
**Physical State:** Water

### EPA 6010B by 3010A - Title 22 CAM 17 Trace Metals by ICP-OES

<u>Sample ID:</u>	B1-GW	B4-GW	B6-GW	B17-GW	B12-GW		
<u>Jones ID:</u>	ST-15877-47	ST-15877-48	ST-15877-49	ST-15877-50	ST-15877-51	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	10	µg/L
Arsenic, As	ND	ND	ND	ND	61	50	µg/L
<b>Barium, Ba</b>	<b>256</b>	<b>232</b>	<b>41</b>	<b>220</b>	<b>129</b>	10	µg/L
Beryllium, Be	ND	ND	ND	ND	ND	10	µg/L
Cadmium, Cd	ND	ND	ND	ND	ND	10	µg/L
Cobalt, Co	ND	29	ND	23	18	10	µg/L
Chromium, Cr	ND	31	ND	55	43	10	µg/L
<b>Copper, Cu</b>	<b>42</b>	<b>167</b>	ND	<b>90</b>	<b>39</b>	10	µg/L
<b>Molybdenum, Mo</b>	<b>18</b>	<b>17</b>	<b>31</b>	<b>43</b>	<b>15</b>	10	µg/L
Nickel, Ni	ND	41	ND	33	22	10	µg/L
Lead, Pb	ND	72	ND	41	21	10	µg/L
Antimony, Sb	ND	ND	ND	ND	ND	50	µg/L
Selenium, Se	ND	ND	ND	ND	ND	50	µg/L
Thallium, Tl	ND	ND	ND	ND	ND	50	µg/L
<b>Vanadium, V</b>	<b>29</b>	<b>51</b>	ND	<b>56</b>	<b>61</b>	10	µg/L
<b>Zinc, Zn</b>	<b>34</b>	<b>310</b>	<b>20</b>	<b>605</b>	<b>89</b>	10	µg/L
<u>Dilution Factor</u>	1	1	1	1	1		

**Batch:** I20073102 I20073102 I20073102 I20073102 I20073102

### EPA 7470A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B1-GW	B4-GW	B6-GW	B17-GW	B12-GW		
<u>Jones ID:</u>	ST-15877-47	ST-15877-48	ST-15877-49	ST-15877-50	ST-15877-51	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	<b>0.42</b>	ND	ND	<b>0.14</b>	ND	0.10	µg/L
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20080101	H20080101	H20080101	H20080101	H20080101		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/30/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 7/31-8/1/2020

**Physical State:** Water

**BATCH:** I20073102

**Prepared:** 7/31/2020

**Analyzed:** 7/31/2020

### EPA 6010B by 3010A - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200731-MB2</b>						
Silver, Ag	ND					10	µg/L
Arsenic, As	ND					50	µg/L
Barium, Ba	ND					10	µg/L
Beryllium, Be	ND					10	µg/L
Cadmium, Cd	ND					10	µg/L
Cobalt, Co	ND					10	µg/L
Chromium, Cr	ND					10	µg/L
Copper, Cu	ND					10	µg/L
Molybdenum, Mo	ND					10	µg/L
Nickel, Ni	ND					10	µg/L
Lead, Pb	ND					10	µg/L
Antimony, Sb	ND					50	µg/L
Selenium, Se	ND					50	µg/L
Thallium, Tl	ND					50	µg/L
Vanadium, V	ND					10	µg/L
Zinc, Zn	ND					10	µg/L

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 7/31-8/1/2020  
**Physical State:** Water

**BATCH:** I20073102 **Prepared:** 7/31/2020 **Analyzed:** 7/31/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200731-LCS2</b>					
Barium, Ba	999	1000	100%		80 - 120	µg/L
Cobalt, Co	1030	1000	103%		80 - 120	µg/L
Lead, Pb	1030	1000	103%		80 - 120	µg/L
Selenium, Se	998	1000	100%		80 - 120	µg/L
Zinc, Zn	960	1000	96%		80 - 120	µg/L
<b>LCSD:</b> I200731-LCSD2						
Barium, Ba	1020	1000	102%	2.1%	80 - 120	µg/L
Cobalt, Co	1020	1000	102%	1.0%	80 - 120	µg/L
Lead, Pb	1020	1000	102%	1.0%	80 - 120	µg/L
Selenium, Se	934	1000	93%	6.6%	80 - 120	µg/L
Zinc, Zn	979	1000	98%	2.0%	80 - 120	µg/L
<b>CCV:</b> I200731-CCV1						
Barium, Ba	1010	1000	101%		90-110	µg/L
Cobalt, Co	1020	1000	102%		90-110	µg/L
Lead, Pb	1000	1000	100%		90-110	µg/L
Selenium, Se	991	1000	99%		90-110	µg/L
Zinc, Zn	962	1000	96%		90-110	µg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloh  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 7/31-8/1/2020  
**Physical State:** Water

**BATCH:** H20080101      **Prepared:** 8/1/2020      **Analyzed:** 8/1/2020

### EPA 7470A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200801-MB1</b>						
Mercury, Hg	ND					0.10	µg/L

<b>LCS:</b>	<b>H200801-LCS1</b>						
Mercury, Hg	3.79	3.65	104%		80 - 120		µg/L

<b>LCSD:</b>	<b>H200801-LCSD1</b>						
Mercury, Hg	3.80	3.65	104%	0.3%	80 - 120		µg/L

<b>CCV:</b>	<b>H200801-CCV1</b>						
Mercury, Hg	5.02	5.00	100%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference





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# Chain-of-Custody Record

LAB USE ONLY

Jones Project # ST-15877

Page 2 of 6

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

Turn Around Requested:  
☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
☒ Normal

Report Options  
EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_

\*Global ID \_\_\_\_\_

Date 7-30-2020

Client Project # 12736.004

Sample Container / Preservative  
Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Analysis Requested

Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCFs (8081A)	PCBs (8082)	Number of Containers
S	X	X	X					1
				X				4
								1
								1
						X	X	1
				X				4
								1
								1
						X	X	1
				X				4

Notes & Special Instructions	Total Number of Containers

Client **Leighton Consulting, Inc.**

Project Name **Wilmington Fast Lane**

Project Address **Port of LA, Wilmington, CA**

Email **bmcculloch@leightongroup.com**

Phone **949-681-4287**

Report To **Brynn McCulloch**

Sampler **SAG / KCH**

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container
B3-2.5	7-30-2020	0857	ST-15877-11		
B3-5		0859	ST-15877-12		
B3-8.5		0900	ST-15877-13		
B3-10		0903	ST-15877-14		
B4-0.5		0950	ST-15877-15		
B4-2.5		0952	ST-15877-16		
B4-5		0954	ST-15877-17		
B4-6		0955	ST-15877-18		
B5-0.5		1025	ST-15877-19		
B5-2.5		1027	ST-15877-20		

Relinquished By (Signature) [Signature] Printed Name K. Hall

Company LCI Date 7/30/20 Time 1652

Received By (Signature) [Signature] Printed Name Emily Jones

Company Jones Date 7/30/20 Time 1652

Relinquished By (Signature) \_\_\_\_\_ Printed Name \_\_\_\_\_

Company \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Received By (Signature) \_\_\_\_\_ Printed Name \_\_\_\_\_

Company \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

Client <b>Leighton Consulting, Inc.</b>		Date <b>7-30-2020</b>	Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24 Hours <input type="checkbox"/> Rush 48 Hours <input type="checkbox"/> Rush 72 Hours <input checked="" type="checkbox"/> Normal	Report Options EDD _____ EDF* - 10% Surcharge _____ *Global ID _____
Project Name <b>Wilmington Fast Lane</b>		Client Project # <b>12736.004</b>	LAB USE ONLY Jones Project # <b>815877</b> Page <b>3 of 6</b>	
Project Address <b>Port of LA, Wilmington, CA</b>		Sample Container / Preservative Abbreviations AS - Acetate Sleeve SS - Stainless Steel Sleeve BS - Brass Sleeve G - Glass AB - Amber Bottle P - Plastic SOBI - Sodium Bisulfate MeOH - Methanol HCl - Hydrochloric Acid HNO3 - Nitric Acid O - Other (See Notes)		
Email <b>bmcculloch@leightongroup.com</b>	Phone <b>949-681-4287</b>	Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no		
Report To <b>Brynn McCulloch</b>	Sampler <b>SAG / KCH</b>			

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Analysis Requested	Number of Containers	Notes & Special Instructions
B5-S	7-30-2020	1029	81-15877-21			TPHg, d and o (6015)	1	
B5-6		1031	81-15877-22			Title 22 Metals (60108/7471A)	1	
B6-0.5		1104	81-15877-23			Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	1	
B6-2.5		1106	81-15877-24			VOCs (8260B/5035)	1	
B6-S		1112	81-15877-25			PAHs (8270C)	4	
B6-7.5		1115	81-15877-26			OCs (8081A)	1	
B7-0.5		1131	81-15877-27			PCBs (8082)	4	
B7-2.5		1133	81-15877-28				1	
B7-S		1136	81-15877-29				1	
B7-7		1140	81-15877-30				1	

Relinquished By (Signature) <i>Mark Hall</i>	Printed Name <b>Mark Hall</b>	Date <b>7/30/20</b>	Time <b>1452</b>
Company <b>LCI</b>	Received By (Signature) <i>Emily Jones</i>	Printed Name <b>Emily Jones</b>	Date <b>7/30/20</b>
	Company <b>LCI</b>	Received By Laboratory (Signature)	Date
		97	

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

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Jones Project # ST-15277

Page 4 of 6

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

Turn Around Requested:  
☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
Normal

Report Options  
EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Date 7-30-2020

Client Project # 12736.004

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Client **Leighton Consulting, Inc.**

Project Name **Wilmington Fast Lane**

Project Address **Port of LA, Wilmington, CA**

Email **bmcculloch@leightongroup.com**

Phone **949-681-4287**

Report To **Brynn McCulloch**

Sampler **SAG / KCL4**

## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCFs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B8-0.5	7-30-2020	1340	ST-15277-31			S	X	X			X	X	1	
B8-2.5		1342	ST-15277-32						X				1	
B8-5		1345	ST-15277-33						X				1	
B8-7		1351	ST-15277-34										1	
B12-0.5		1449	ST-15277-35						X		X		1	
B12-2.5		1454	ST-15277-36										1	
B12-5		1457	ST-15277-37						X				1	
B12-6		1458	ST-15277-38										1	
B17-0.5		1157	ST-15277-39						X		X		1	
B17-2.5		1159	ST-15277-40						X				1	
Relinquished By (Signature)	<i>Mc Culloch</i>	Printed Name <b>K. Hall</b>	Received By (Signature)	<i>Brynn McCulloch</i>	Printed Name <b>Brynn McCulloch</b>	Date <b>7/30/2020</b>	Time <b>1652</b>	Company <b>Jones</b>	Received By Laboratory (Signature)	<i>Jones</i>	Date <b>7/30/2020</b>	Time <b>1652</b>	Company <b>Jones</b>	Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

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Client  
**Leighton Consulting, Inc.**

Project Name

**Wilmington Fast Lane**

Project Address

**Port of LA, Wilmington, CA**

Email

[bmcculloch@leightongroup.com](mailto:bmcculloch@leightongroup.com)

Phone

**949-681-4287**

Report To

**Brynn McCulloch**

Sampler

**SAG/KCH**

Date

**7-30-2020**

Client Project #

**12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

- ☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☒ Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Jones Project #

**ST-15377**

Page

**5 of 6**

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

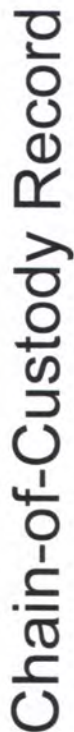
## Analysis Requested

Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
S	X	X	X	X				4	
				X				4	
						X	X	1	
				X				4	
								1	
				X				4	
				X				5	
				X	X			5	
				X	X			5	
				X	X			5	
				X	X			5	

Filter T22 GW as needed



Relinquished By (Signature) <i>Kim C. Hall</i>	Printed Name <b>Kim C. Hall</b>	Date <b>7/30/20</b>	Time <b>11:52</b>
Company <b>LCI</b>	Received By (Signature) <i>Emily Jones</i>	Printed Name <b>Emily Jones</b>	Date <b>7/30</b>
	Company <b>Jones</b>	Date <b>7/30</b>	Time <b>1:52</b>
Relinquished By (Signature)	Received By Laboratory (Signature)	Date	Time
Company	Company	Date	Time

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



LAB USE ONLY

T22 Metals, as needed

Company	LC	Date	7/30/20	Time	1652
Relinquished By (Signature)					
					
Company	JONES	Date	7/30/20	Time	1652
Received By Laboratory (Signature)					
					
Company		Date		Time	100

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil & Water

---

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8015B – Extended Range Hydrocarbons
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals
4. EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD  
All samples subjected to sulfur cleanup by EPA 3660B
5. EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD  
All samples subjected to sulfur cleanup by EPA 3660B

**Water:**

1. EPA 8015B – Extended Range Hydrocarbons
2. EPA 8260B by 5030B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B and EPA 7470A – CAM 17 Metals

**Approval:**

David Mirakian, M.S.



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B9-0.5	B9-2.5	B9-5	B9-6	B10-0.5		
<u>Jones ID:</u>	ST-15885-01	ST-15885-02	ST-15885-03	ST-15885-04	ST-15885-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	40.6	48.4	ND	ND	76.7	10.0	mg/kg
C23 - C40	1610	435	ND	ND	1420	10.0	mg/kg
C10 - C28	264	123	ND	ND	313	10.0	mg/kg
C29 - C40	1390	364	ND	ND	1190	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	111%	95%	115%	109%	104%	30 - 120	
<u>Batch:</u>	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B10-2.5	B10-5	B10-7	B11-0.5	B11-2.5		
<u>Jones ID:</u>	ST-15885-06	ST-15885-07	ST-15885-08	ST-15885-09	ST-15885-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	348	96.6	ND	34.7	78.9	10.0	mg/kg
C23 - C40	4280	859	ND	1260	2940	10.0	mg/kg
C10 - C28	1090	484	ND	211	549	10.0	mg/kg
C29 - C40	3560	572	ND	1080	2470	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	120%	96%	107%	100%	113%	30 - 120	
<u>Batch:</u>	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01		

ND = Value less than reporting limit



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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
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**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B11-5	B11-8	B13-0.5	B13-2.5	B13-5		
<u>Jones ID:</u>	ST-15885-11	ST-15885-12	ST-15885-13	ST-15885-14	ST-15885-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	ND	51.4	15.5	ND	10.0	mg/kg
C23 - C40	ND	ND	1020	429	ND	10.0	mg/kg
C10 - C28	ND	ND	214	79.9	ND	10.0	mg/kg
C29 - C40	ND	ND	856	369	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	102%	111%	96%	72%	95%	30 - 120	
<u>Batch:</u>	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01		

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## JONES ENVIRONMENTAL LABORATORY RESULTS

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B13-7	B14-0.5	B14-2.5	B14-5	B14-7.5		
<u>Jones ID:</u>	ST-15885-16	ST-15885-17	ST-15885-18	ST-15885-19	ST-15885-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	ND	ND	140	58.2	ND	10.0	mg/kg
C23 - C40	ND	ND	470	317	ND	10.0	mg/kg
C10 - C28	ND	ND	312	148	ND	10.0	mg/kg
C29 - C40	ND	ND	302	230	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	95%	96%	87%	82%	100%	30 - 120	
<u>Batch:</u>	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01	FID7 _080620_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B15-0.5	B15-2.5	B15-5	B15-8	B16-0.5		
<u>Jones ID:</u>	ST-15885-21	ST-15885-22	ST-15885-23	ST-15885-24	ST-15885-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	42.1	16.9	ND	ND	79.6	10.0	mg/kg
C23 - C40	524	156	ND	ND	1620	10.0	mg/kg
C10 - C28	142	42.7	ND	ND	300	10.0	mg/kg
C29 - C40	398	106	ND	ND	1370	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	92%	108%	106%	113%	89%	30 - 120	
<u>Batch:</u>	FID8 _080620_01	FID8 _080620_01	FID8 _080620_01	FID8 _080620_01	FID8 _080620_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	B16-2.5	B16-5	B16-8	HA6-0.5	HA6-2.5		
<u>Jones ID:</u>	ST-15885-26	ST-15885-27	ST-15885-28	ST-15885-29	ST-15885-30	<u>Reporting Limit</u>	<u>Units</u>
<b>Carbon Chain Range</b>							
C13 - C22	171	ND	ND	25.4	ND	10.0	mg/kg
C23 - C40	885	ND	ND	208	ND	10.0	mg/kg
C10 - C28	417	ND	ND	64.9	ND	10.0	mg/kg
C29 - C40	615	ND	ND	144	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recovery:</u>						<u>QC Limits</u>	
Hexacosane	88%	111%	112%	110%	110%	30 - 120	
<u>Batch:</u>	FID8 _080620_01	FID8 _080620_01	FID8 _080620_01	FID8 _080620_01	FID8 _080620_01		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

---

**EPA 8015M - Extended Range Hydrocarbons**

**Sample ID:** HA6-5

**Jones ID:** ST-15885-31

**Reporting Limit** **Units**

**Carbon Chain Range**

C13 - C22	ND	10.0	mg/kg
C23 - C40	ND	10.0	mg/kg
C10 - C28	ND	10.0	mg/kg
C29 - C40	ND	10.0	mg/kg

**Dilution Factor** 1

**Surrogate Recovery:**

Hexacosane 118%

**QC Limits**

30 - 120

**Batch:** FID8  
\_080620\_01

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Soil

### EPA 8015M - Extended Range Hydrocarbons

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK		
<u>Jones ID:</u>	MB1- 080620FID7	MB1- 080620FID8		
<b>Carbon Chain Range</b>			<u>Reporting Limit</u>	<u>Units</u>
C13 - C22	ND	ND	10.0	mg/kg
C23 - C40	ND	ND	10.0	mg/kg
C10 - C28	ND	ND	10.0	mg/kg
C29 - C40	ND	ND	10.0	mg/kg
<u>Dilution Factor</u>	1	1		
<u>Surrogate Recovery:</u>			<u>QC Limits</u>	
Hexacosane	105%	104%	30 - 120	
<u>Batch:</u>	FID7 _080620_01	FID8 _080620_01		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Date Received:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** FID7\_080620\_01 **Prepared:** 8/6/2020 **Analyzed:** 8/6/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080620FID7	<b>SAMPLE SPIKED:</b>		CLEAN SOIL		
<b>Analyte:</b>						
Diesel	482	500	96%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			118%		30 - 120	
<b>LCSD:</b>	LCSD1-080620FID7	<b>SAMPLE SPIKED:</b>		CLEAN SOIL		
<b>Analyte:</b>						
Diesel	444	500	89%	8.2%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			113%		30 - 120	
<b>CCV:</b>	CCV1-080620FID7					
<b>Analyte:</b>						
Diesel	954	1000	95%		80 - 120	mg/kg

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

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**Project Address:** Port of LA  
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**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/6/2020  
**Physical State:** Soil

**BATCH:** FID8\_080620\_01      **Prepared:** 8/6/2020      **Analyzed:** 8/6/2020

### EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS1-080620FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	<b>481</b>	500	96%		60 - 140	mg/kg
<b>Surrogate Recovery:</b>						
Hexacosane			103%		30 - 120	
<b>LCSD:</b>	LCSD1-080620FID8	<b>SAMPLE SPIKED:</b>	CLEAN SOIL			
<b>Analyte:</b>						
Diesel	<b>493</b>	500	99%	2.5%	60 - 140	mg/kg
<b>Surrogate Recoveries:</b>						
Hexacosane			102%		30 - 120	
<b>CCV:</b>	CCV1-080620FID8					
<b>Analyte:</b>						
Diesel	<b>1090</b>	1000	109%		80 - 120	mg/kg

LCS = Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV = Continuing Calibration Verification  
RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<b>B9-0.5</b>	<b>B10-0.5</b>	<b>B10-7</b>	<b>B11-2.5</b>	<b>B11-5</b>		
<u>Jones ID:</u>	ST-15885-01	ST-15885-05	ST-15885-08	ST-15885-10	ST-15885-11	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	1.1	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b><u>Sample ID:</u></b>	<b>B9-0.5</b>	<b>B10-0.5</b>	<b>B10-7</b>	<b>B11-2.5</b>	<b>B11-5</b>		
<b><u>Jones ID:</u></b>	<b>ST-15885-01</b>	<b>ST-15885-05</b>	<b>ST-15885-08</b>	<b>ST-15885-10</b>	<b>ST-15885-11</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recoveries:</u></b>						<b><u>QC Limits</u></b>	
Dibromofluoromethane	104%	101%	102%	104%	110%	60 - 140	
Toluene-d <sub>8</sub>	99%	96%	98%	99%	103%	60 - 140	
4-Bromofluorobenzene	89%	88%	97%	92%	92%	60 - 140	
	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B13-5	B14-0.5	B14-7.5	B15-0.5	B15-5		
<u>Jones ID:</u>	ST-15885-15	ST-15885-17	ST-15885-20	ST-15885-21	ST-15885-23	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b>Sample ID:</b>	<b>B13-5</b>	<b>B14-0.5</b>	<b>B14-7.5</b>	<b>B15-0.5</b>	<b>B15-5</b>		
<b>Jones ID:</b>	<b>ST-15885-15</b>	<b>ST-15885-17</b>	<b>ST-15885-20</b>	<b>ST-15885-21</b>	<b>ST-15885-23</b>	<b>Reporting Limit</b>	<b>Units</b>
<b>Analytes:</b>							
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethene	1.2	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<b>Dilution Factor</b>	1	1	1	1	1		
<b>Surrogate Recoveries:</b>						<b>QC Limits</b>	
Dibromofluoromethane	101%	103%	101%	101%	102%	60 - 140	
Toluene-d <sub>8</sub>	94%	96%	99%	100%	99%	60 - 140	
4-Bromofluorobenzene	93%	93%	98%	99%	103%	60 - 140	
	VOC3- 080420-01	VOC3- 080420-01	VOC3- 080420-01	VOC4- 080420-02	VOC4- 080420-02		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B16-2.5	B16-5	HA6-2.5	HA6-5		
<u>Jones ID:</u>	ST-15885-26	ST-15885-27	ST-15885-30	ST-15885-31	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
Benzene	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B16-2.5	B16-5	HA6-2.5	HA6-5		
<u>Jones ID:</u>	ST-15885-26	ST-15885-27	ST-15885-30	ST-15885-31	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>						
trans-1,3-Dichloropropene	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	13.9	1.0	µg/kg
Trichloroethene	ND	ND	ND	2.7	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1		
<b><u>Surrogate Recoveries:</u></b>					<b><u>QC Limits</u></b>	
Dibromofluoromethane	104%	99%	100%	102%	60 - 140	
Toluene-d <sub>8</sub>	98%	100%	97%	97%	60 - 140	
4-Bromofluorobenzene	100%	103%	100%	103%	60 - 140	
	VOC4- 080420-02	VOC4- 080420-02	VOC4- 080520-01	VOC4- 080420-02		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
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**Attn:** Brynn McCulloch  
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**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B9-2.5	B9-5	B9-6	B10-2.5	B10-5		
<u>Jones ID:</u>	ST-15885-02	ST-15885-03	ST-15885-04	ST-15885-06	ST-15885-07	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	100%	102%	102%	100%	101%	60 - 140	
Toluene-d <sub>8</sub>	100%	102%	101%	95%	100%	60 - 140	
4-Bromofluorobenzene	93%	93%	95%	92%	93%	60 - 140	
	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B11-0.5	B11-8	B13-0.5	B13-2.5	B13-7		
<u>Jones ID:</u>	ST-15885-09	ST-15885-12	ST-15885-13	ST-15885-14	ST-15885-16	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	99%	97%	97%	99%	99%	60 - 140	
Toluene-d <sub>8</sub>	98%	97%	99%	99%	96%	60 - 140	
4-Bromofluorobenzene	92%	92%	92%	93%	88%	60 - 140	
	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01	VOC3-080420-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B14-2.5	B14-5	B15-2.5	B15-8	B16-0.5		
<u>Jones ID:</u>	ST-15885-18	ST-15885-19	ST-15885-22	ST-15885-24	ST-15885-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
Dibromofluoromethane	97%	102%	101%	98%	96%	60 - 140	
Toluene-d <sub>8</sub>	96%	96%	99%	99%	101%	60 - 140	
4-Bromofluorobenzene	93%	95%	102%	99%	100%	60 - 140	
	VOC3-080420-01	VOC3-080420-01	VOC4-080420-02	VOC4-080420-02	VOC4-080420-02		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** B16-8 HA6-0.5

**Jones ID:** ST-15885-28 ST-15885-29

**Analytes:**

Gasoline Range Organics (C4-C12)

ND ND

**Reporting Limit**

**Units**

0.20

mg/kg

**Dilution Factor**

1 1

**Surrogate Recoveries:**

Dibromofluoromethane

100% 99%

Toluene-d<sub>8</sub>

100% 100%

4-Bromofluorobenzene

102% 100%

**QC Limits**

60 - 140

60 - 140

60 - 140

VOC4- VOC4-  
080420-02 080420-02

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/4/2020  
**Physical State:** Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<u>METHOD</u> <u>BLANK</u>	<u>METHOD</u> <u>BLANK</u>	<u>METHOD</u> <u>BLANK</u>		
<u>Jones ID:</u>	<u>080420-</u> <u>V3MB1</u>	<u>080420-</u> <u>V4MB2</u>	<u>080520-</u> <u>V4MB1</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
Benzene	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	1.0	µg/kg
1,2-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	1.0	µg/kg
cis-1,3-Dichloropropene	ND	ND	ND	1.0	µg/kg

# JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	METHOD BLANK	METHOD BLANK	METHOD BLANK		
<u>Jones ID:</u>	080420- V3MB1	080420- V4MB2	080520- V4MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
trans-1,3-Dichloropropene	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	1.0	µg/kg
Freon 11	ND	ND	ND	5.0	µg/kg
Freon 12	ND	ND	ND	5.0	µg/kg
Freon 113	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	1.0	µg/kg
Tetrachloroethene	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	1.0	µg/kg
Trichloroethene	ND	ND	ND	1.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	2.0	µg/kg
o-Xylene	ND	ND	ND	1.0	µg/kg
Methyl-tert-butylether	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics (C4-C12)	ND	ND	ND	0.20	mg/kg
<b><u>Dilution Factor</u></b>	1	1	1		
<b><u>Surrogate Recoveries:</u></b>				<b><u>QC Limits</u></b>	
Dibromofluoromethane	104%	99%	97%	60 - 140	
Toluene-d <sub>8</sub>	100%	101%	100%	60 - 140	
4-Bromofluorobenzene	93%	101%	101%	60 - 140	
	VOC3- 080420-01	VOC4- 080420-02	VOC4- 080520-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC3-080420-01		
Jones ID:	080420-V3MS1	080420-V3MSD1		080420-V3CCV1		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	88%	88%	0.5%	60 - 140	131% <sup>1</sup>	80 - 120
1,1-Dichloroethene	103%	103%	0.0%	60 - 140	92%	80 - 120
Cis-1,2-Dichloroethene	107%	106%	0.9%	70 - 130	107%	80 - 120
1,1,1-Trichloroethane	105%	103%	1.9%	70 - 130	120%	80 - 120
Benzene	105%	101%	3.8%	70 - 130	106%	80 - 120
Trichloroethene	106%	101%	5.3%	70 - 130	112%	80 - 120
Toluene	106%	100%	5.5%	70 - 130	111%	80 - 120
Tetrachloroethene	104%	102%	2.8%	70 - 130	114%	80 - 120
Chlorobenzene	104%	102%	1.6%	70 - 130	111%	80 - 120
Ethylbenzene	103%	101%	1.7%	70 - 130	108%	80 - 120
1,2,4 Trimethylbenzene	106%	103%	2.4%	70 - 130	108%	80 - 120
Gasoline Range Organics (C4-C12)	105%	101%	3.3%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	87%	91%		60 - 140	77%	60 - 140
Toluene-d <sub>8</sub>	98%	99%		60 - 140	100%	60 - 140
4-Bromofluorobenzene	91%	95%		60 - 140	99%	60 - 140

<sup>1</sup> = Value exceeds acceptability range. MS, MSD and %RPD within limits. Data accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN SOIL		GC#:	VOC4-080420-02		
Jones ID:	080420-V4MS2	080420-V4MSD2		080420-V4CCV2		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	61%	62%	1.5%	60 - 140	83%	80 - 120
1,1-Dichloroethene	148%	131% <sup>1</sup>	12.4%	60 - 140	160% <sup>1</sup>	80 - 120
Cis-1,2-Dichloroethene	107%	109%	1.4%	70 - 130	102%	80 - 120
1,1,1-Trichloroethane	99%	96%	3.9%	70 - 130	101%	80 - 120
Benzene	105%	107%	2.1%	70 - 130	104%	80 - 120
Trichloroethene	103%	104%	0.9%	70 - 130	102%	80 - 120
Toluene	105%	106%	1.1%	70 - 130	108%	80 - 120
Tetrachloroethene	96%	97%	1.2%	70 - 130	102%	80 - 120
Chlorobenzene	99%	101%	1.5%	70 - 130	101%	80 - 120
Ethylbenzene	112%	114%	1.6%	70 - 130	113%	80 - 120
1,2,4 Trimethylbenzene	108%	112%	3.7%	70 - 130	109%	80 - 120
Gasoline Range Organics (C4-C12)	108%	110%	2.1%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	94%	92%		60 - 140	90%	60 - 140
Toluene-d <sub>8</sub>	98%	100%		60 - 140	104%	60 - 140
4-Bromofluorobenzene	102%	100%		60 - 140	105%	60 - 140

<sup>1</sup> = Values exceed acceptability limits. All detections of 1,1 - dichloroethene reported as estimates.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/4/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:		CLEAN SOIL		GC#:	VOC4-080520-01	
Jones ID:		080520-V4MS1	080520-V4MSD1		080520-V4CCV1	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	67%	67%	0.8%	60 - 140	95%	80 - 120
1,1-Dichloroethene	89%	84%	5.4%	60 - 140	102%	80 - 120
Cis-1,2-Dichloroethene	113%	105%	7.5%	70 - 130	104%	80 - 120
1,1,1-Trichloroethane	105%	97%	7.9%	70 - 130	111%	80 - 120
Benzene	110%	103%	6.5%	70 - 130	111%	80 - 120
Trichloroethene	109%	102%	7.4%	70 - 130	114%	80 - 120
Toluene	112%	104%	7.8%	70 - 130	112%	80 - 120
Tetrachloroethene	105%	97%	7.6%	70 - 130	108%	80 - 120
Chlorobenzene	108%	96%	11.8%	70 - 130	106%	80 - 120
Ethylbenzene	123%	112%	8.8%	70 - 130	120%	80 - 120
1,2,4 Trimethylbenzene	122%	111%	9.5%	70 - 130	117%	80 - 120
Gasoline Range Organics (C4-C12)	116%	107%	8%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	96%	93%		60 - 140	92%	60 - 140
Toluene-d <sub>8</sub>	102%	100%		60 - 140	107%	60 - 140
4-Bromofluorobenzene	102%	102%		60 - 140	123%	60 - 140

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B9-0.5	B9-2.5	B9-5	B9-6	B10-0.5		
<u>Jones ID:</u>	ST-15885-01	ST-15885-02	ST-15885-03	ST-15885-04	ST-15885-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
<b>Barium, Ba</b>	<b>82.8</b>	<b>95.8</b>	<b>72.8</b>	<b>34.3</b>	<b>90.2</b>	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
<b>Cadmium, Cd</b>	<b>1.0</b>	<b>1.4</b>	<b>1.6</b>	<b>0.6</b>	<b>1.2</b>	0.5	mg/kg
<b>Cobalt, Co</b>	<b>5.3</b>	<b>4.2</b>	<b>7.9</b>	<b>3.1</b>	<b>5.5</b>	0.5	mg/kg
<b>Chromium, Cr</b>	<b>16.7</b>	<b>17.3</b>	<b>13.6</b>	<b>6.6</b>	<b>12.8</b>	0.5	mg/kg
<b>Copper, Cu</b>	<b>14.2</b>	<b>20.7</b>	<b>11.8</b>	<b>3.8</b>	<b>20.5</b>	1.5	mg/kg
<b>Molybdenum, Mo</b>	<b>0.8</b>	<b>1.0</b>	<b>0.6</b>	<b>0.8</b>	<b>0.9</b>	0.5	mg/kg
<b>Nickel, Ni</b>	<b>12.6</b>	<b>13.2</b>	<b>14.0</b>	<b>4.3</b>	<b>11.5</b>	0.5	mg/kg
<b>Lead, Pb</b>	<b>39.6</b>	<b>83.0</b>	<b>6.1</b>	<b>1.4</b>	<b>17.9</b>	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
<b>Vanadium, V</b>	<b>22.8</b>	<b>17.5</b>	<b>25.6</b>	<b>10.9</b>	<b>22.8</b>	0.5	mg/kg
<b>Zinc, Zn</b>	<b>43.8</b>	<b>108</b>	<b>43.5</b>	<b>19.3</b>	<b>53.6</b>	2.5	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		

**Batch:** I20080401 I20080401 I20080401 I20080401 I20080401

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B9-0.5	B9-2.5	B9-5	B9-6	B10-0.5		
<u>Jones ID:</u>	ST-15885-01	ST-15885-02	ST-15885-03	ST-15885-04	ST-15885-05	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	<b>0.058</b>	<b>0.190</b>	<b>0.049</b>	<b>0.028</b>	<b>0.200</b>	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20080501	H20080501	H20080501	H20080501	H20080501		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B10-2.5	B10-5	B10-7	B11-0.5	B11-2.5		
<u>Jones ID:</u>	ST-15885-06	ST-15885-07	ST-15885-08	ST-15885-09	ST-15885-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	45.1	149	71.0	62.4	60.4	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	0.8	1.2	1.3	0.8	0.8	0.5	mg/kg
Cobalt, Co	5.2	6.0	7.1	4.0	5.0	0.5	mg/kg
Chromium, Cr	7.8	13.4	12.1	8.9	7.0	0.5	mg/kg
Copper, Cu	8.2	12.6	9.9	13.3	11.0	1.5	mg/kg
Molybdenum, Mo	1.5	0.8	0.5	1.0	0.6	0.5	mg/kg
Nickel, Ni	15.1	19.2	10.0	9.7	12.5	0.5	mg/kg
Lead, Pb	4.4	13.6	1.8	15.5	5.5	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	17.6	21.5	21.2	18.3	30.1	0.5	mg/kg
Zinc, Zn	30.2	52.1	35.5	43.6	33.0	2.5	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	I20080401	I20080401	I20080401	I20080401	I20080401		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B10-2.5	B10-5	B10-7	B11-0.5	B11-2.5		
<u>Jones ID:</u>	ST-15885-06	ST-15885-07	ST-15885-08	ST-15885-09	ST-15885-10	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.044	0.176	0.034	0.064	0.238	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20080501	H20080501	H20080501	H20080501	H20080501		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B11-5	B11-8	B13-0.5	B13-2.5	B13-5		
<u>Jones ID:</u>	ST-15885-11	ST-15885-12	ST-15885-13	ST-15885-14	ST-15885-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	5.2	ND	ND	ND	5.0	mg/kg
Barium, Ba	74.4	72.8	67.9	102	62.5	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.0	1.7	0.7	1.3	1.5	0.5	mg/kg
Cobalt, Co	4.2	10.0	3.3	5.0	7.3	0.5	mg/kg
Chromium, Cr	9.6	19.0	10.0	16.0	15.0	0.5	mg/kg
Copper, Cu	10.7	20.0	11.8	19.5	16.0	1.5	mg/kg
Molybdenum, Mo	0.9	ND	1.0	1.5	1.0	0.5	mg/kg
Nickel, Ni	8.0	16.7	8.5	12.8	12.3	0.5	mg/kg
Lead, Pb	5.5	5.2	10.5	18.7	4.8	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	16.4	36.0	15.9	24.0	25.2	0.5	mg/kg
Zinc, Zn	31.3	41.3	38.0	65.5	39.5	2.5	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080401	I20080401	I20080401	I20080401	I20080401		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B11-5	B11-8	B13-0.5	B13-2.5	B13-5		
<u>Jones ID:</u>	ST-15885-11	ST-15885-12	ST-15885-13	ST-15885-14	ST-15885-15	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.107	0.037	0.057	0.069	0.050	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20080501	H20080501	H20080501	H20080501	H20080501		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B13-7	B14-0.5	B14-2.5	B14-5	B14-7.5		
<u>Jones ID:</u>	ST-15885-16	ST-15885-17	ST-15885-18	ST-15885-19	ST-15885-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	67.9	73.0	253	441	42.2	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.6	1.1	1.3	1.5	0.7	0.5	mg/kg
Cobalt, Co	8.7	5.6	6.6	10.3	4.1	0.5	mg/kg
Chromium, Cr	15.1	12.3	26.9	24.4	7.6	0.5	mg/kg
Copper, Cu	13.5	12.3	24.6	42.5	4.8	1.5	mg/kg
Molybdenum, Mo	0.8	ND	3.4	3.2	0.6	0.5	mg/kg
Nickel, Ni	12.3	9.6	17.4	16.6	6.0	0.5	mg/kg
Lead, Pb	2.6	8.7	22.1	28.4	1.3	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	25.9	21.2	24.5	26.9	12.5	0.5	mg/kg
Zinc, Zn	43.4	37.2	88.4	77.5	23.5	2.5	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080401	I20080401	I20080401	I20080402	I20080402		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B13-7	B14-0.5	B14-2.5	B14-5	B14-7.5		
<u>Jones ID:</u>	ST-15885-16	ST-15885-17	ST-15885-18	ST-15885-19	ST-15885-20	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.082	0.053	0.129	0.188	0.033	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20080501	H20080501	H20080501	H20080501	H20080501		

ND = Value less than reporting limit



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**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B15-0.5	B15-2.5	B15-5	B15-8	B16-0.5		
<u>Jones ID:</u>	ST-15885-21	ST-15885-22	ST-15885-23	ST-15885-24	ST-15885-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	5.4	ND	ND	5.0	mg/kg
<b>Barium, Ba</b>	<b>180</b>	<b>136</b>	<b>113</b>	<b>113</b>	<b>114</b>	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
<b>Cadmium, Cd</b>	<b>2.6</b>	<b>1.9</b>	<b>1.9</b>	<b>1.9</b>	<b>1.7</b>	0.5	mg/kg
<b>Cobalt, Co</b>	<b>10.1</b>	<b>10.2</b>	<b>11.2</b>	<b>10.4</b>	<b>6.8</b>	0.5	mg/kg
<b>Chromium, Cr</b>	<b>33.5</b>	<b>21.3</b>	<b>17.3</b>	<b>18.8</b>	<b>21.7</b>	0.5	mg/kg
<b>Copper, Cu</b>	<b>274</b>	<b>40.5</b>	<b>19.6</b>	<b>23.9</b>	<b>32.7</b>	1.5	mg/kg
<b>Molybdenum, Mo</b>	<b>2.5</b>	<b>0.8</b>	<b>1.0</b>	<b>0.8</b>	<b>1.2</b>	0.5	mg/kg
<b>Nickel, Ni</b>	<b>15.9</b>	<b>15.8</b>	<b>17.2</b>	<b>13.5</b>	<b>16.0</b>	0.5	mg/kg
<b>Lead, Pb</b>	<b>105</b>	<b>6.7</b>	<b>3.6</b>	<b>4.2</b>	<b>22.6</b>	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
<b>Vanadium, V</b>	<b>28.2</b>	<b>34.5</b>	<b>31.3</b>	<b>34.7</b>	<b>26.5</b>	0.5	mg/kg
<b>Zinc, Zn</b>	<b>257</b>	<b>58.1</b>	<b>53.1</b>	<b>51.6</b>	<b>96.0</b>	2.5	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	I20080402	I20080402	I20080402	I20080402	I20080402		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B15-0.5	B15-2.5	B15-5	B15-8	B16-0.5		
<u>Jones ID:</u>	ST-15885-21	ST-15885-22	ST-15885-23	ST-15885-24	ST-15885-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	<b>0.144</b>	<b>0.042</b>	<b>0.117</b>	<b>0.089</b>	<b>0.062</b>	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Batch:</u>	H20080502	H20080502	H20080502	H20080502	H20080502		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

### EPA 6010B by 3050 - by ICP-OES

<u>Sample ID:</u>	B16-2.5	B16-5	B16-8	HA6-0.5	HA6-2.5		
<u>Jones ID:</u>	ST-15885-26	ST-15885-27	ST-15885-28	ST-15885-29	ST-15885-30	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Silver, Ag	ND	ND	ND	ND	ND	0.5	mg/kg
Arsenic, As	ND	ND	ND	ND	ND	5.0	mg/kg
Barium, Ba	126	43.6	124	86.9	75.6	0.5	mg/kg
Beryllium, Be	ND	ND	ND	ND	ND	0.5	mg/kg
Cadmium, Cd	1.4	0.7	1.6	1.4	1.3	0.5	mg/kg
Cobalt, Co	8.9	4.1	10.6	6.0	6.8	0.5	mg/kg
Chromium, Cr	16.4	7.5	16.9	27.5	13.1	0.5	mg/kg
Copper, Cu	19.1	5.8	23.8	19.8	15.7	1.5	mg/kg
Molybdenum, Mo	0.8	0.7	ND	0.9	1.0	0.5	mg/kg
Nickel, Ni	13.8	5.8	14.4	10.5	11.2	0.5	mg/kg
Lead, Pb	27.3	1.5	4.8	12.0	6.6	0.5	mg/kg
Antimony, Sb	ND	ND	ND	ND	ND	5.0	mg/kg
Selenium, Se	ND	ND	ND	ND	ND	5.0	mg/kg
Thallium, Tl	ND	ND	ND	ND	ND	5.0	mg/kg
Vanadium, V	27.0	13.5	34.4	20.6	22.6	0.5	mg/kg
Zinc, Zn	64.4	22.3	51.3	59.2	42.8	2.5	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	I20080402	I20080402	I20080402	I20080402	I20080402		

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B16-2.5	B16-5	B16-8	HA6-0.5	HA6-2.5		
<u>Jones ID:</u>	ST-15885-26	ST-15885-27	ST-15885-28	ST-15885-29	ST-15885-30	<u>Reporting Limit</u>	<u>Units</u>
<b>Mercury, Hg</b>	0.058	0.043	0.091	0.100	0.051	0.020	mg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<b>Batch:</b>	H20080502	H20080502	H20080502	H20080502	H20080502		

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

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**Report date:** 8/10/2020  
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**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

**EPA 6010B by 3050 - by ICP-OES**

**Sample ID:** HA6-5

**Jones ID:** ST-15885-31

**Reporting Limit**      **Units**

**Analytes:**

Silver, Ag	ND	0.5	mg/kg
Arsenic, As	5.6	5.0	mg/kg
Barium, Ba	95.7	0.5	mg/kg
Beryllium, Be	ND	0.5	mg/kg
Cadmium, Cd	2.5	0.5	mg/kg
Cobalt, Co	10.9	0.5	mg/kg
Chromium, Cr	27.0	0.5	mg/kg
Copper, Cu	30.4	1.5	mg/kg
Molybdenum, Mo	1.0	0.5	mg/kg
Nickel, Ni	19.8	0.5	mg/kg
Lead, Pb	8.3	0.5	mg/kg
Antimony, Sb	ND	5.0	mg/kg
Selenium, Se	ND	5.0	mg/kg
Thallium, Tl	ND	5.0	mg/kg
Vanadium, V	48.5	0.5	mg/kg
Zinc, Zn	64.4	2.5	mg/kg

**Dilution Factor** 1

**Batch:** I20080402

**EPA 7471A - Mercury by Cold Vapor Atomic Absorption**

**Sample ID:** HA6-5

**Jones ID:** ST-15885-31

**Reporting Limit**      **Units**

**Mercury, Hg** 0.126 0.020 mg/kg

**Dilution Factor** 1

**Batch:** H20080502

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Date Received:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/5-6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** I20080401

**Prepared:** 8/4/2020

**Analyzed:** 8/5/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200804-MB1</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					1.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					2.5	mg/kg

ND= Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

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**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

**BATCH:** I20080401 **Prepared:** 8/4/2020 **Analyzed:** 8/5/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200804-LCS1</b>					
Barium, Ba	212	200	106%		80 - 120	mg/kg
Cobalt, Co	51.6	50.0	103%		80 - 120	mg/kg
Lead, Pb	55.1	50.0	110%		80 - 120	mg/kg
Selenium, Se	190	200	95%		80 - 120	mg/kg
Zinc, Zn	48.0	50.0	96%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200804-LCSD1</b>					
Barium, Ba	217	200	109%	2.3%	80 - 120	mg/kg
Cobalt, Co	53.0	50.0	106%	2.7%	80 - 120	mg/kg
Lead, Pb	55.9	50.0	112%	1.4%	80 - 120	mg/kg
Selenium, Se	192	200	96%	1.0%	80 - 120	mg/kg
Zinc, Zn	49.4	50.0	99%	2.9%	80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200805-CCV1</b>					
Barium, Ba	1.00	1.00	100%		90-110	mg/L
Cobalt, Co	1.02	1.00	102%		90-110	mg/L
Lead, Pb	0.99	1.00	99%		90-110	mg/L
Selenium, Se	0.99	1.00	99%		90-110	mg/L
Zinc, Zn	0.96	1.00	96%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/5-6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** H20080501      **Prepared:** 8/5/2020      **Analyzed:** 8/5/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200805-MB1</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200805-LCS1</b>						
Mercury, Hg	1.08	1.00	108%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200805-LCSD1</b>						
Mercury, Hg	1.08	1.00	108%	0.5%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200805-CCV1</b>						
Mercury, Hg	5.13	5.00	103%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Date Received:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/5-6/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**BATCH:** I20080402

**Prepared:** 8/4/2020

**Analyzed:** 8/6/2020

### EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200804-MB2</b>						
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					5.0	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					1.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					5.0	mg/kg
Selenium, Se	ND					5.0	mg/kg
Thallium, Tl	ND					5.0	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					2.5	mg/kg

ND = Not Detected



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5-6/2020  
**Physical State:** Soil

**BATCH:** I20080402 **Prepared:** 8/4/2020 **Analyzed:** 8/6/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200804-LCS2</b>					
Barium, Ba	219	200	110%		80 - 120	mg/kg
Cobalt, Co	53.5	50.0	107%		80 - 120	mg/kg
Lead, Pb	56.7	50.0	113%		80 - 120	mg/kg
Selenium, Se	207	200	104%		80 - 120	mg/kg
Zinc, Zn	50.6	50.0	101%		80 - 120	mg/kg
<b><u>LCSD:</u></b>						
<b>LCSD:</b>	<b>I200804-LCSD2</b>					
Barium, Ba	219	200	110%	0.2%	80 - 120	mg/kg
Cobalt, Co	53.9	50.0	108%	0.7%	80 - 120	mg/kg
Lead, Pb	57.2	50.0	114%	0.9%	80 - 120	mg/kg
Selenium, Se	210	200	105%	1.4%	80 - 120	mg/kg
Zinc, Zn	50.9	50.0	102%	0.6%	80 - 120	mg/kg
<b><u>CCV:</u></b>						
<b>CCV:</b>	<b>I200806-MB1</b>					
Barium, Ba	1.01	1.00	101%		90-110	mg/L
Cobalt, Co	1.01	1.00	101%		90-110	mg/L
Lead, Pb	1.01	1.00	101%		90-110	mg/L
Selenium, Se	0.99	1.00	99%		90-110	mg/L
Zinc, Zn	0.99	1.00	99%		90-110	mg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

ND = Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/5-6/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** H20080502      **Prepared:** 8/5/2020      **Analyzed:** 8/5/2020

### EPA 7471A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200805-MB2</b>						
Mercury, Hg	ND					0.020	mg/kg

<b>LCS:</b>	<b>H200805-LCS2</b>						
Mercury, Hg	1.07	1.00	107%		80 - 120		mg/kg

<b>LCSD:</b>	<b>H200805-LCSD2</b>						
Mercury, Hg	1.08	1.00	108%	0.9%	80 - 120		mg/kg

<b>CCV:</b>	<b>H200805-CCV2</b>						
Mercury, Hg	5.16	5.00	103%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/7/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**Sample ID:**

B9-0.5

**Jones ID:**

ST-15885-01

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 31%  
Decachlorobiphenyl 39%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B10-0.5 **Jones ID:** ST-15885-05

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
<b>4,4'-DDE</b>	<b>16.1</b>	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 33%  
Decachlorobiphenyl 56%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B11-0.5 **Jones ID:** ST-15885-09

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 32%  
Decachlorobiphenyl 70%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B13-0.5 **Jones ID:** ST-15885-13

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 33%  
Decachlorobiphenyl 45%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B14-0.5

**Jones ID:** ST-15885-17

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 33%  
Decachlorobiphenyl 36%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B15-0.5 **Jones ID:** ST-15885-21

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 62%  
Decachlorobiphenyl 115%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B16-0.5

**Jones ID:** ST-15885-25

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 40%  
Decachlorobiphenyl 50%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** HA6-0.5

**Jones ID:** ST-15885-29

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 40%  
Decachlorobiphenyl 42%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB1-080720ECD4

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Practical Quantitation Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aldrin	ND	1	ECD4_080720_01	8/7/2020	8/7/2020	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

### Surrogate Recoveries:

TCMX 106%  
Decachlorobiphenyl 89%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/7/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** ECD4\_080720\_01      **Prepared:** 8/7/2020      **Analyzed:** 8/7/2020

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	LCS	LCSD	% RPD	Spike Level	% Recovery Limits	Units
LCS1-080720EC1 LCSD1-080720ECD4						
<b>Analytes:</b>						
α-BHC	127	131	3%	100	60 - 140	ppb
γ-Chlordane	127	135	6%	100	60 - 140	ppb
Aldrin	116	123	6%	100	60 - 140	ppb
4,4'-DDD	106	109	3%	100	60 - 140	ppb
4,4'-DDE	115	122	6%	100	60 - 140	ppb
4,4'-DDT	90.4	98.6	9%	100	60 - 140	ppb
Dieldrin	127	130	2%	100	60 - 140	ppb
Endosulfan I	116	125	7%	100	60 - 140	ppb
Endosulfan II	115	126	9%	100	60 - 140	ppb
Endrin	120	129	7%	100	60 - 140	ppb
Endrin ketone	109	119	9%	100	60 - 140	ppb
Heptachlor	119	123	3%	100	60 - 140	ppb
Heptachlor epoxide	119	127	6%	100	60 - 140	ppb

### Surrogate Recoveries:

TCMX	92%	103%	30 - 120
Decachlorobiphenyl	79%	87%	30 - 120

LCS= Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**BATCH:** ECD4\_080720\_01      **Prepared:** 8/7/2020      **Analyzed:** 8/7/2020

### EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	Result	Spike Level	% Recovery	% Recovery Limits	Units
CCV:	CCV1-080720ECD4				
Analytes:					
α-BHC	118	100	118%	80-120	ppb
γ-Chlordane	119	100	119%	80-120	ppb
Aldrin	117	100	117%	80-120	ppb
4,4'-DDD	118	100	118%	80-120	ppb
4,4'-DDE	118	100	118%	80-120	ppb
4,4'-DDT	104	100	104%	80-120	ppb
Dieldrin	118	100	118%	80-120	ppb
Endosulfan I	119	100	119%	80-120	ppb
Endosulfan II	118	100	118%	80-120	ppb
Endrin	117	100	117%	80-120	ppb
Endrin ketone	111	100	111%	80-120	ppb
Heptachlor	117	100	117%	80-120	ppb
Heptachlor epoxide	115	100	115%	80-120	ppb
Surrogate Recovery:					
TCMX	96%			30-120	
Decachlorobiphenyl	80%			30-120	

CCV= Continuing Calibration Verification



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B9-0.5

**Jones ID:** ST-15885-01

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 32%  
Decachlorobiphenyl 31%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/7/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**Sample ID:** B10-0.5

**Jones ID:** ST-15885-05

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 43%  
Decachlorobiphenyl 45%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B11-0.5

**Jones ID:** ST-15885-09

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 36%  
Decachlorobiphenyl 71%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B13-0.5

**Jones ID:** ST-15885-13

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
<b>Aroclor 1260</b>	<b>68.4</b>	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 36%  
Decachlorobiphenyl 55%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B14-0.5

**Jones ID:** ST-15885-17

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 45%  
Decachlorobiphenyl 49%

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/7/2020  
**Physical State:** Soil

**Sample ID:** B15-0.5

**Jones ID:** ST-15885-21

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 70%  
Decachlorobiphenyl 115%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** B16-0.5

**Jones ID:** ST-15885-25

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 42%  
Decachlorobiphenyl 39%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/7/2020

**Physical State:** Soil

**Sample ID:** HA6-0.5

**Jones ID:** ST-15885-29

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4_080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
<b>Aroclor 1260</b>	<b>171</b>	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

TCMX 51%  
Decachlorobiphenyl 55%

### QC Limits

30 - 120  
30 - 120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/7/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

**Sample ID:** Method Blank

**Jones ID:** MB2-080720ECD4

### EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD

	<u>Result</u>	<u>Dilution</u>	<u>Batch</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Aroclor 1016	ND	1	ECD4-080720_02	8/6/2020	8/7/2020	50	µg/kg
Aroclor 1221	ND	1	"	"	"	50	µg/kg
Aroclor 1232	ND	1	"	"	"	50	µg/kg
Aroclor 1242	ND	1	"	"	"	50	µg/kg
Aroclor 1248	ND	1	"	"	"	50	µg/kg
Aroclor 1254	ND	1	"	"	"	50	µg/kg
Aroclor 1260	ND	1	"	"	"	50	µg/kg
Aroclor 1262	ND	1	"	"	"	50	µg/kg
Aroclor 1268	ND	1	"	"	"	50	µg/kg

### Surrogate Recoveries:

### QC Limits

TCMX 76%  
Decachlorobiphenyl 70%

30-120  
30-120

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/7/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** ECD4-080720\_02      **Prepared:** 8/6/2020      **Analyzed:** 8/7/2020

**EPA 8082 by 3546 – Polychlorinated Biphenyls (PCBs) by GC/ECD**

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS2-080720ECD4		SAMPLE SPIKED:		CLEAN SOIL		
Analytes:							
Aroclor 1016	374	500		75%		50 - 120	ppb
Aroclor 1260	351	500		70%		50 - 120	ppb
Surrogate Recoveries:							
TCMX				60%		30 - 120	
Decachlorobiphenyl				60%		30 - 120	

<b>LCSD:</b>	<b>LCSD2-080720ECD4</b>		<b>SAMPLE SPIKED:</b>		<b>CLEAN SOIL</b>		
Aroclor 1016	392	500		78%	4.7%	50 - 120	ppb
Aroclor 1260	373	500		75%	6.1%	50 - 120	ppb
<b>Surrogate Recovery:</b>							
TCMX				6%		30 - 120	
Decachlorobiphenyl				64%		30 - 120	

CCV:		CCV2-080720ECD4				
Analytes:						
Aroclor 1016	580	500	116%	80-120	ppb	
Aroclor 1260	546	500	109%	80-120	ppb	
Surrogate Recoveries:						
TCMX			119%	80-120		
Decachlorobiphenyl			108%	80-120		

LCS= Laboratory Control Sample  
LCSD= Laboratory Control Sample Duplicate  
CCV= Continuing Calibration Verification  
RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/31/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Water

### EPA 8015M – Extended Range Hydrocarbons

**Sample ID:**                      B9-GW          B14-GW          B16-GW

**Jones ID:**                      ST-15885-32    ST-15885-33    ST-15885-34

**Reporting Limit**                      **Units**

**Carbon Chain Range**

C13 - C22	ND	ND	ND	1.0	mg/L
C23 - C40	ND	ND	ND	1.0	mg/L
C10 - C28	ND	ND	ND	1.0	mg/L
C29 - C40	ND	ND	ND	1.0	mg/L

**Dilution Factor**                      1                      1                      1

<b><u>Surrogate Recovery:</u></b>				<b><u>QC Limits</u></b>
Hexacosane	117%	118%	116%	30 - 120

Batch ID:                      FID7\_080520    FID7\_080520    FID7\_080520  
   \_02                      \_02                      \_02

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/6/2020

**Physical State:** Water

### EPA 8015M – Extended Range Hydrocarbons

<b><u>Sample ID:</u></b>	<b>Method</b> <b>Blank</b>		
<b><u>Jones ID:</u></b>	<b>MB2-</b> <b>080520FID7</b>		
<b>Carbon Chain Range</b>		<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
C13 - C22	ND	1.0	mg/L
C23 - C40	ND	1.0	mg/L
C10 - C28	ND	1.0	mg/L
C29 - C40	ND	1.0	mg/L
<b><u>Dilution Factor</u></b>	1		
<b><u>Surrogate Recovery:</u></b>		<b><u>QC Limits</u></b>	
Hexacosane	101%	30 - 120	
<b>Batch ID:</b>	FID7_080520 _02		
ND = Value less than reporting limit			



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/31/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/6/2020

**Physical State:** Water

**BATCH:** FID7\_080520\_02      **Prepared:** 8/5/2020      **Analyzed:** 8/6/2020

### EPA 8015M – Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
<b>LCS:</b>	LCS2-080520FID7	<b>SAMPLE SPIKED:</b>		CLEAN WATER		
<b>Analyte:</b>						
Diesel	878	1000	88%		60 - 140	mg/L
<b>Surrogate Recovery:</b>						
Hexacosane			97%		30 - 120	
<b>LCSD:</b>	LCSD2-080520FID7	<b>SAMPLE SPIKED:</b>		CLEAN WATER		
<b>Analyte:</b>						
Diesel	884	1000	88%	0.7%	60 - 140	mg/L
<b>Surrogate Recoveries:</b>						
Hexacosane			112%		30 - 120	
<b>CCV:</b>	CCV2-080520FID7					
<b>Analyte:</b>						
Diesel	1040	1000	104%		80 - 120	mg/L

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5/2020  
**Physical State:** Water

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** B9-GW B14-GW B16-GW

**Jones ID:** ST-15885-32 ST-15885-33 ST-15885-34

				<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
Benzene	ND	ND	1.0	0.5	µg/L
Bromobenzene	ND	ND	ND	0.5	µg/L
Bromodichloromethane	ND	ND	ND	0.5	µg/L
Bromoform	ND	ND	ND	0.5	µg/L
n-Butylbenzene	ND	ND	ND	0.5	µg/L
sec-Butylbenzene	ND	ND	ND	0.5	µg/L
tert-Butylbenzene	ND	ND	ND	0.5	µg/L
Carbon tetrachloride	ND	ND	ND	0.5	µg/L
Chlorobenzene	ND	ND	ND	0.5	µg/L
Chloroform	ND	ND	1.5	0.5	µg/L
2-Chlorotoluene	ND	ND	ND	0.5	µg/L
4-Chlorotoluene	ND	ND	ND	0.5	µg/L
Dibromochloromethane	ND	ND	ND	0.5	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	0.5	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	0.5	µg/L
Dibromomethane	ND	ND	ND	0.5	µg/L
1,2-Dichlorobenzene	ND	ND	1.6	0.5	µg/L
1,3-Dichlorobenzene	ND	ND	ND	0.5	µg/L
1,4-Dichlorobenzene	ND	ND	0.6	0.5	µg/L
1,1-Dichloroethane	ND	ND	2.4	0.5	µg/L
1,2-Dichloroethane	ND	ND	ND	0.5	µg/L
1,1-Dichloroethene	ND	ND	0.6	0.5	µg/L
cis-1,2-Dichloroethene	1.3	ND	2.6	0.5	µg/L
trans-1,2-Dichloroethene	ND	ND	0.6	0.5	µg/L
1,2-Dichloropropane	ND	ND	ND	0.5	µg/L
1,3-Dichloropropane	ND	ND	ND	0.5	µg/L
2,2-Dichloropropane	ND	ND	ND	0.5	µg/L
1,1-Dichloropropene	ND	ND	ND	0.5	µg/L
cis-1,3-Dichloropropene	ND	ND	ND	0.5	µg/L

# JONES ENVIRONMENTAL LABORATORY RESULTS

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	<b>B9-GW</b>	<b>B14-GW</b>	<b>B16-GW</b>		
<u>Jones ID:</u>	<b>ST-15885-32</b>	<b>ST-15885-33</b>	<b>ST-15885-34</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
trans-1,3-Dichloropropene	ND	ND	ND	0.5	µg/L
Ethylbenzene	ND	ND	ND	0.5	µg/L
Freon 11	ND	ND	ND	2.5	µg/L
Freon 12	ND	ND	ND	2.5	µg/L
Freon 113	ND	ND	ND	2.5	µg/L
Hexachlorobutadiene	ND	ND	ND	0.5	µg/L
Isopropylbenzene	ND	ND	ND	0.5	µg/L
4-Isopropyltoluene	ND	ND	ND	0.5	µg/L
Methylene chloride	ND	ND	ND	0.5	µg/L
Naphthalene	ND	ND	ND	0.5	µg/L
n-Propylbenzene	ND	ND	ND	0.5	µg/L
Styrene	ND	ND	ND	0.5	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	0.5	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	0.5	µg/L
Tetrachloroethene	<b>0.5</b>	ND	<b>1.9</b>	0.5	µg/L
Toluene	ND	ND	ND	0.5	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	0.5	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	0.5	µg/L
1,1,1-Trichloroethane	ND	ND	ND	0.5	µg/L
1,1,2-Trichloroethane	ND	ND	<b>164</b>	0.5	µg/L
Trichloroethene	ND	ND	<b>16.6</b>	0.5	µg/L
1,2,3-Trichloropropane	ND	ND	ND	0.5	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	0.5	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	0.5	µg/L
Vinyl chloride	ND	ND	<b>60.7</b>	0.5	µg/L
m,p-Xylene	ND	ND	ND	1.0	µg/L
o-Xylene	ND	ND	ND	0.5	µg/L
Methyl-tert-butylether	ND	ND	ND	2.5	µg/L
Ethyl-tert-butylether	ND	ND	ND	2.5	µg/L
Di-isopropylether	ND	ND	ND	2.5	µg/L
tert-amylmethylether	ND	ND	ND	2.5	µg/L
tert-Butylalcohol	ND	ND	ND	25.0	µg/L
Gasoline Range Organics (C4-C12)	ND	ND	ND	0.10	mg/L
<u>Dilution Factor</u>	1	1	1		
<u>Surrogate Recoveries:</u>				<u>QC Limits</u>	
Dibromofluoromethane	97%	97%	102%	60 - 140	
Toluene-d8	97%	96%	98%	60 - 140	
4-Bromofluorobenzene	89%	93%	89%	60 - 140	
	VOC3- 080520-01	VOC3- 080520-01	VOC3- 080520-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/5/2020  
**Physical State:** Water

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

**Sample ID:** METHOD  
BLANK

**Jones ID:** 080520-  
V3MB1

		<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>			
Benzene	ND	0.5	µg/L
Bromobenzene	ND	0.5	µg/L
Bromodichloromethane	ND	0.5	µg/L
Bromoform	ND	0.5	µg/L
n-Butylbenzene	ND	0.5	µg/L
sec-Butylbenzene	ND	0.5	µg/L
tert-Butylbenzene	ND	0.5	µg/L
Carbon tetrachloride	ND	0.5	µg/L
Chlorobenzene	ND	0.5	µg/L
Chloroform	ND	0.5	µg/L
2-Chlorotoluene	ND	0.5	µg/L
4-Chlorotoluene	ND	0.5	µg/L
Dibromochloromethane	ND	0.5	µg/L
1,2-Dibromo-3-chloropropane	ND	0.5	µg/L
1,2-Dibromoethane (EDB)	ND	0.5	µg/L
Dibromomethane	ND	0.5	µg/L
1,2-Dichlorobenzene	ND	0.5	µg/L
1,3-Dichlorobenzene	ND	0.5	µg/L
1,4-Dichlorobenzene	ND	0.5	µg/L
1,1-Dichloroethane	ND	0.5	µg/L
1,2-Dichloroethane	ND	0.5	µg/L
1,1-Dichloroethene	ND	0.5	µg/L
cis-1,2-Dichloroethene	ND	0.5	µg/L
trans-1,2-Dichloroethene	ND	0.5	µg/L
1,2-Dichloropropane	ND	0.5	µg/L
1,3-Dichloropropane	ND	0.5	µg/L
2,2-Dichloropropane	ND	0.5	µg/L
1,1-Dichloropropene	ND	0.5	µg/L
cis-1,3-Dichloropropene	ND	0.5	µg/L

# JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

## EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<b><u>Sample ID:</u></b>	<b>METHOD</b>		
	<b>BLANK</b>		
<b><u>Jones ID:</u></b>	<b>080520- V3MB1</b>	<b><u>Reporting Limit</u></b>	<b><u>Units</u></b>
<b>Analytes:</b>			
trans-1,3-Dichloropropene	ND	0.5	µg/L
Ethylbenzene	ND	0.5	µg/L
Freon 11	ND	2.5	µg/L
Freon 12	ND	2.5	µg/L
Freon 113	ND	2.5	µg/L
Hexachlorobutadiene	ND	0.5	µg/L
Isopropylbenzene	ND	0.5	µg/L
4-Isopropyltoluene	ND	0.5	µg/L
Methylene chloride	ND	0.5	µg/L
Naphthalene	ND	0.5	µg/L
n-Propylbenzene	ND	0.5	µg/L
Styrene	ND	0.5	µg/L
1,1,1,2-Tetrachloroethane	ND	0.5	µg/L
1,1,2,2-Tetrachloroethane	ND	0.5	µg/L
Tetrachloroethene	ND	0.5	µg/L
Toluene	ND	0.5	µg/L
1,2,3-Trichlorobenzene	ND	0.5	µg/L
1,2,4-Trichlorobenzene	ND	0.5	µg/L
1,1,1-Trichloroethane	ND	0.5	µg/L
1,1,2-Trichloroethane	ND	0.5	µg/L
Trichloroethene	ND	0.5	µg/L
1,2,3-Trichloropropane	ND	0.5	µg/L
1,2,4-Trimethylbenzene	ND	0.5	µg/L
1,3,5-Trimethylbenzene	ND	0.5	µg/L
Vinyl chloride	ND	0.5	µg/L
m,p-Xylene	ND	1.0	µg/L
o-Xylene	ND	0.5	µg/L
Methyl-tert-butylether	ND	2.5	µg/L
Ethyl-tert-butylether	ND	2.5	µg/L
Di-isopropylether	ND	2.5	µg/L
tert-amylmethylether	ND	2.5	µg/L
tert-Butylalcohol	ND	25.0	µg/L
Gasoline Range Organics (C4-C12)	ND	0.10	mg/L
<b>TIC:</b>			
Ethanol	ND	50.0	µg/L
<b><u>Dilution Factor</u></b>	1		
<b><u>Surrogate Recoveries:</u></b>		<b><u>QC Limits</u></b>	
Dibromofluoromethane	99%	60 - 140	
Toluene-d <sub>8</sub>	99%	60 - 140	
4-Bromofluorobenzene	96%	60 - 140	
	VOC3- 080520-01		

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/10/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/5/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Water

### EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked:	CLEAN WATER		GC#:	VOC3-080520-01		
Jones ID:	080520-V3MS1	080520-V3MSD1		080520-V3CCV1		
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	92%	89%	3.2%	60 - 140	135% <sup>1</sup>	80 - 120
1,1-Dichloroethene	118%	107%	9.4%	60 - 140	91%	80 - 120
Cis-1,2-Dichloroethene	118%	117%	0.2%	70 - 130	104%	80 - 120
1,1,1-Trichloroethane	115%	111%	3.5%	70 - 130	119%	80 - 120
Benzene	114%	110%	3.5%	70 - 130	106%	80 - 120
Trichloroethene	115%	113%	1.6%	70 - 130	113%	80 - 120
Toluene	119%	111%	6.5%	70 - 130	114%	80 - 120
Tetrachloroethene	117%	107%	9.4%	70 - 130	112%	80 - 120
Chlorobenzene	114%	111%	2.7%	70 - 130	114%	80 - 120
Ethylbenzene	119%	114%	4.6%	70 - 130	107%	80 - 120
1,2,4 Trimethylbenzene	115%	111%	3.5%	70 - 130	110%	80 - 120
Gasoline Range Organics (C4-C12)	117%	112%	4.5%	70 - 130		
<b>Surrogate Recovery:</b>						
Dibromofluoromethane	92%	93%		60 - 140	78%	60 - 140
Toluene-d <sub>8</sub>	99%	100%		60 - 140	98%	60 - 140
4-Bromofluorobenzene	96%	94%		60 - 140	95%	60 - 140

<sup>1</sup> = Value exceeds acceptability range. MS, MSD and %RPD within limits. Data accepted.

MS = Matrix Spike

MSD = Matrix Spike Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/1/2020  
**Physical State:** Water

### EPA 6010B by 3010A - Title 22 CAM 17 Trace Metals by ICP-OES

<u>Sample ID:</u>	B9-GW	B14-GW	B16-GW		
<u>Jones ID:</u>	ST-15885-32	ST-15885-33	ST-15885-34	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
Silver, Ag	ND	ND	ND	10	µg/L
Arsenic, As	ND	ND	ND	50	µg/L
<b>Barium, Ba</b>	<b>47</b>	<b>43</b>	<b>38</b>	10	µg/L
Beryllium, Be	ND	ND	ND	10	µg/L
Cadmium, Cd	ND	ND	ND	10	µg/L
Cobalt, Co	ND	ND	ND	10	µg/L
Chromium, Cr	ND	ND	ND	10	µg/L
Copper, Cu	ND	ND	ND	10	µg/L
<b>Molybdenum, Mo</b>	<b>31</b>	<b>38</b>	<b>151</b>	10	µg/L
Nickel, Ni	ND	ND	ND	10	µg/L
Lead, Pb	ND	ND	ND	10	µg/L
Antimony, Sb	ND	ND	ND	50	µg/L
<b>Selenium, Se</b>	<b>71</b>	<b>80</b>	ND	50	µg/L
Thallium, Tl	ND	ND	ND	50	µg/L
Vanadium, V	ND	ND	ND	10	µg/L
<b>Zinc, Zn</b>	<b>13</b>	<b>17</b>	<b>10</b>	10	µg/L
<u>Dilution Factor</u>	1	1	1		
<u>Batch:</u>	I20080101	I20080101	I20080101		

### EPA 7470A - Mercury by Cold Vapor Atomic Absorption

<u>Sample ID:</u>	B9-GW	B14-GW	B16-GW		
<u>Jones ID:</u>	ST-15885-32	ST-15885-33	ST-15885-34	<u>Reporting Limit</u>	<u>Units</u>
Mercury, Hg	ND	ND	ND	0.10	µg/L
<u>Dilution Factor</u>	1	1	1		
<u>Batch:</u>	H20080101	H20080101	H20080101		

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Date Received:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Analyzed:** 8/1/2020

**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Water

**BATCH:** I20080101

**Prepared:** 7/31/2020

**Analyzed:** 7/31/2020

### EPA 6010B by 3010A - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% REC Limits	% RPD	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>I200801-MB1</b>						
Silver, Ag	ND					10	µg/L
Arsenic, As	ND					50	µg/L
Barium, Ba	ND					10	µg/L
Beryllium, Be	ND					10	µg/L
Cadmium, Cd	ND					10	µg/L
Cobalt, Co	ND					10	µg/L
Chromium, Cr	ND					10	µg/L
Copper, Cu	ND					10	µg/L
Molybdenum, Mo	ND					10	µg/L
Nickel, Ni	ND					10	µg/L
Lead, Pb	ND					10	µg/L
Antimony, Sb	ND					50	µg/L
Selenium, Se	ND					50	µg/L
Thallium, Tl	ND					50	µg/L
Vanadium, V	ND					10	µg/L
Zinc, Zn	ND					10	µg/L

ND= Not Detected



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805-399-0060

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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/1/2020  
**Physical State:** Water

**BATCH:** I20080101 **Prepared:** 7/31/2020 **Analyzed:** 7/31/2020

	Result	Spike Level	% REC	% RPD	% REC Limits	Units
<b><u>Analyses:</u></b>						
<b>LCS:</b>	<b>I200801-LCS1</b>					
Barium, Ba	989	1000	99%		80 - 120	µg/L
Cobalt, Co	998	1000	100%		80 - 120	µg/L
Lead, Pb	997	1000	100%		80 - 120	µg/L
Selenium, Se	993	1000	99%		80 - 120	µg/L
Zinc, Zn	949	1000	95%		80 - 120	µg/L
<b>LCSD:</b> I200801-LCSD1						
Barium, Ba	983	1000	98%	0.6%	80 - 120	µg/L
Cobalt, Co	990	1000	99%	0.8%	80 - 120	µg/L
Lead, Pb	991	1000	99%	0.6%	80 - 120	µg/L
Selenium, Se	993	1000	99%	0.0%	80 - 120	µg/L
Zinc, Zn	938	1000	94%	1.2%	80 - 120	µg/L
<b>CCV:</b> I200801-CCV1						
Barium, Ba	980	1000	98%		90-110	µg/L
Cobalt, Co	991	1000	99%		90-110	µg/L
Lead, Pb	998	1000	100%		90-110	µg/L
Selenium, Se	1000	1000	100%		90-110	µg/L
Zinc, Zn	937	1000	94%		90-110	µg/L

CCV = Continuing Calibration Verification

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/10/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/1/2020  
**Physical State:** Water

**BATCH:** H20080101      **Prepared:** 8/1/2020      **Analyzed:** 8/1/2020

### EPA 7470A - Mercury by Cold Vapor Atomic Absorption

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>METHOD BLANK:</b>	<b>H200801-MB1</b>						
Mercury, Hg	ND					0.10	µg/L

<b>LCS:</b>	<b>H200801-LCS1</b>						
Mercury, Hg	3.79	3.65	104%		80 - 120		µg/L

<b>LCSD:</b>	<b>H200801-LCSD1</b>						
Mercury, Hg	3.80	3.65	104%	0.3%	80 - 120		µg/L

<b>CCV:</b>	<b>H200801-CCV1</b>						
Mercury, Hg	5.02	5.00	100%		90-110		µg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference



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Fax (714) 449-9685  
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# Chain-of-Custody Record

**Client**  
Leighton Consulting, Inc.

**Project Name**

Wilmington Fast Lane

**Project Address**

Port of LA, Wilmington, CA

**Email**

bmcclulloch@leightongroup.com

**Phone**

949-681-4287

**Report To**

Brynn McCulloch

**Sampler**

SAG / KCM

**Date**

7-31-2020

**Client Project #**

12736.004

**Sample Container / Preservative Abbreviations**

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOB - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

- ☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☒ Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

LAB USE ONLY

**Jones Project #**

ST-15825

**Page**

1 of 4

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B9-0.5	7-31-2020	0740	ST-15825-01			S	X	X		X		1	
B9-2.5		0743	ST-15825-02									1	
B9-5		0747	ST-15825-03									1	
B9-6		0750	ST-15825-04									1	
B10-0.5		0852	ST-15825-05							X		1	
B10-2.5		0854	ST-15825-06									1	
B10-5		0859	ST-15825-07									1	
B10-7		0903	ST-15825-08					X				1	
B11-0.5		0940	ST-15825-09							X		1	
B11-2.5		0942	ST-15825-10									1	
Relinquished By (Signature) <i>Kim C. Mall</i>						Received By (Signature) <i>[Signature]</i>							
Company <i>LCI</i>						Company <i>LCI</i>							
Printed Name <i>Kim C. Mall</i>						Printed Name <i>[Signature]</i>							
Date <i>7/31/20</i>						Date <i>7/31/20</i>							
Time <i>1400</i>						Time <i>1400</i>							
Relinquished By (Signature)						Received By Laboratory (Signature)							
Company						Company							
Date:						Date:							
Time:						Time:							
Total Number of Containers						Total Number of Containers							

Client signature on this Chain of Custody form constitutes acknowledgment that the above analyses have been requested, and the information provided herein is correct and accurate.



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Fax (714) 449-9885  
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# Chain-of-Custody Record

LAB USE ONLY

Client  
**Leighton Consulting, Inc.**

Project Name  
**Wilmington Fast Lane**

Project Address  
**Port of LA, Wilmington, CA**

Email  
**bmcculloch@leightongroup.com**

Phone

**949-681-4287**

Report To

**Brynn McCulloch**

Sampler  
**SAG**

**/VCH**

## Turn Around Requested:

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Date **7/31/2020**

Client Project #  
**12736.004**

Sample Container / Preservative  
Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Jones Project #

**ST-15085**

Page

**2** of **4**

Sample Condition as Received:

Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

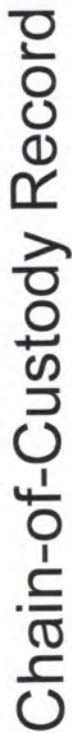
## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCFs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B11-5	7-31-20	0945	ST-15085-11			S		X	X	X				1	
B11-8		0950	ST-15085-12											1	
B13-0.5		0930	ST-15085-13									X	X	1	
B13-2.5		0933	ST-15085-14											1	
B13-5		0937	ST-15085-15							X				1	
B13-7		0943	ST-15085-16											1	
B14-0.5		1010	ST-15085-17						X	X		X	X	1	
B14-2.5		1013	ST-15085-18											1	
B14-5		1017	ST-15085-19											1	
B14-7.5		1023	ST-15085-20						X					1	

Relinquished By (Signature) *[Signature]* Printed Name **K. Hall** Date **7/31/20** Time **1400**  
Company **LCI**

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

Relinquished By (Signature) *[Signature]* Printed Name **David M. Radtke** Date **7/31/20** Time **1400**  
Company **STC**



ST-1525

of 3

Sample Condition as Received:

Chilled ☐ yes ☐ no

Sealed ☐ yes ☐ no

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours

Date 7/31/2028

12736.004

Sample Container / Preservative  
Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOB - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO<sub>3</sub> - Nitric Acid  
O - Other (See Notes)

Wilmington Fast Lane

Project Address  
Port of LA, Wilmington, CAEmail  
bmcculloch@leightongroup.com

Phone \_\_\_\_\_

949-681-4287

Report To  
**Brynn McCulloch**

— 250 —

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample	Soil (S), Sludge (SL)	Title 22 Method	TPHg, d	VOCs (g)	PAHs (g)	OCs (g)	PCBs (g)	Number	Notes & Special Instructions
B15-0.5	7-7-2006	1245	ST-15005-21			S		X	X	X		X	X	5	
B15-2.5		1247	ST-15005-22											5	
B15-5		1250	ST-15005-23							X				5	
B15-8		1254	ST-15005-24											5	
B16-0.5		1135	ST-15005-25									X	X	5	
B16-2.5		1139	ST-15005-26							X				5	
B16-5		1143	ST-15005-27							X				5	
B16-8		1145	ST-15005-28											5	
H16-0.5		1210	ST-15005-29									X	X	5	
H16-2.5		1213	ST-15005-30							X				5	

Relinquished By (Signature) *W. C. Hall*

Printed Name *W. C. Hall*

Received By (Signature) *[Signature]*

Printed Name *[Name]*

Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

75





25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

07 August 2020

David Mirakian  
Jones Environmental  
11007 Forest Place  
Santa Fe Springs, CA 90670  
RE: Wilmington Fast Lan

Enclosed are the results of analyses for samples received by the laboratory on 07/31/20 16:17. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee  
Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

**Reported:**  
08/07/20 08:51

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B9-GW	T202916-01	Water	07/31/20 08:00	07/31/20 16:17
B14-GW	T202916-02	Water	07/31/20 10:40	07/31/20 16:17
B16-GW	T202916-03	Water	07/31/20 11:55	07/31/20 16:17

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jeff Lee, Project Manager

Page 1 of 7



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Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

**Reported:**  
08/07/20 08:51

#### DETECTIONS SUMMARY

**Sample ID:** B9-GW

**Laboratory ID:** T202916-01

No Results Detected

**Sample ID:** B14-GW

**Laboratory ID:** T202916-02

No Results Detected

**Sample ID:** B16-GW

**Laboratory ID:** T202916-03

No Results Detected

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

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Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

Reported:  
08/07/20 08:51

**B9-GW**  
**T202916-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/04/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		46.3 %	33-141		"	"	"	"	

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jeff Lee, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

Reported:  
08/07/20 08:51

**B14-GW**  
**T202916-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/04/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		69.2 %		33-141	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

Reported:  
08/07/20 08:51

**B16-GW**  
**T202916-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/04/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		51.4 %		33-141	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

Reported:  
08/07/20 08:51

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0080414 - EPA 3550 ECD/GCMS**

**Blank (0080414-BLK1)**

Prepared & Analyzed: 08/04/20

Acenaphthene	ND	1.00	ug/l
Acenaphthylene	ND	1.00	"
Anthracene	ND	1.00	"
Benzo (a) anthracene	ND	1.00	"
Benzo (b) fluoranthene	ND	1.00	"
Benzo (k) fluoranthene	ND	1.00	"
Benzo (g,h,i) perylene	ND	1.00	"
Benzo (a) pyrene	ND	1.00	"
Chrysene	ND	1.00	"
Dibenz (a,h) anthracene	ND	1.00	"
Fluoranthene	ND	1.00	"
Indeno (1,2,3-cd) pyrene	ND	1.00	"
Fluorene	ND	1.00	"
Naphthalene	ND	1.00	"
Phenanthrene	ND	1.00	"
Pyrene	ND	1.00	"

Surrogate: Terphenyl-dl4 18.1 " 20.0 90.6 33-141

**LCS (0080414-BS1)**

Prepared & Analyzed: 08/04/20

Acenaphthene	13.2	1.00	ug/l	20.0	66.1	50-130
Pyrene	11.2	1.00	"	20.0	55.9	41.8-88

Surrogate: Terphenyl-dl4 17.4 " 20.0 86.8 33-141

**LCS Dup (0080414-BSD1)**

Prepared & Analyzed: 08/04/20

Acenaphthene	14.1	1.00	ug/l	20.0	70.5	50-130	6.44	31
Pyrene	11.0	1.00	"	20.0	55.0	41.8-88	1.62	30

Surrogate: Terphenyl-dl4 17.2 " 20.0 86.2 33-141

SunStar Laboratories, Inc.

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11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15885  
Project Manager: David Mirakian

**Reported:**  
08/07/20 08:51

### Notes and Definitions

DET      Analyte DETECTED  
ND      Analyte NOT DETECTED at or above the reporting limit  
NR      Not Reported  
dry      Sample results reported on a dry weight basis  
RPD      Relative Percent Difference

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

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11207 FOWLER PI  
WILMINGTON, DE 19806  
(714) 449-9937  
Fax (714) 449-9685  
www.jonesenv.com

# Chain-of-Custody Record

T202916

LAB USE ONLY

Jones Project #

ST-15885

Page

1 of 1

Sample Condition as Received:

Chilled ☒ yes ☐ no

Sealed ☒ yes ☐ no

4.9c

Turn Around Requested:

☐ Immediate Attention

☐ Rush 24 Hours

☐ Rush 48 Hours

☐ Rush 72 Hours

☒ Normal

Report Options

Date

7/31/2020

Client Project #

12736.004

Sample Container / Preservative

Abbreviations

AS - Acidate Sleeve

SS - Stainless Steel Sleeve

BS - Brass Sleeve

G - Glass

AB - Amber Bottle

P - Plastic

SOBI - Sodium Bisulfate

MeOH - Methanol

HCl - Hydrochloric Acid

HNO3 - Nitric Acid

O - Other (See Notes)

Analysis Requested

EPA 8270C-PAHs SIM

Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)

Sample Matrix:

AB

A

X

AB

A

X

AB

A

X

Sample Container

Preservative

Laboratory Sample ID

Sample Collection Time

Date

Sample ID

Report To

David Mirakian

Phone

(562) 646-1611

Email

reports@jonesenv.com

Project Name

Wilmington Fast Lan

Project Address

Port of LA, Wilmington, CA

Client

Laughton Consulting, INC.

Relinquished By (Signature)

Company

JONES

Relinquished By (Signature)

Company

Sun Star Labs

Printed Name

Jonathan Zapata

Date

7/31/20

Time

1515

Relinquished By (Signature)

Company

Sun Star Labs

Printed Name

Don Montesi

Date

7-31-20

Time

1617

Relinquished By (Signature)

Company

JONES

Relinquished By (Signature)

Company

Sun Star Labs

Printed Name

Don Montesi

Date

7-31-20

Time

1617

Printed Name

Don Montesi

Date

7-31-20

Time

1515

Relinquished By (Signature)

Company

Sun Star Labs

Printed Name

David Berner

Date

7/31/20

Time

1617

Client Signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate

## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T202916

Client Name: Jones Env. Project: Wilmington Fast Lane

Delivered by: ☐ Client ☒ SunStar Courier ☐ GLS ☐ FedEx ☐ UPS

If Courier, Received by: Dan. Date/Time Courier Received: 7-31-20

Lab Received by: Dave Date/Time Lab Received: 7-31-20

Total number of coolers received: 1 Thermometer ID: SC-2 Calibration due: 8-21-20

Temperature: Cooler #1	3.7 °C +/- the CF (+ 1.2°C) =	4.9 °C	corrected temperature
Temperature: Cooler #2	°C +/- the CF (+ 1.2°C) =		°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (+ 1.2°C) =		°C corrected temperature
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>If NO:</b>			
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No →	<b>Complete Non-Conformance Sheet</b>
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No →	<b>Complete Non-Conformance Sheet</b>

Custody seals intact on cooler/sample ☐ Yes ☐ No\* ☒ N/A

Sample containers intact ☒ Yes ☐ No\*

Sample labels match Chain of Custody IDs ☒ Yes ☐ No\*

Total number of containers received match COC ☒ Yes ☐ No\*

Proper containers received for analyses requested on COC ☒ Yes ☐ No\*

Proper preservative indicated on COC/containers for analyses requested ☐ Yes ☐ No\* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times ☒ Yes ☐ No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DD 7-31-20

**Comments:**

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## WORK ORDER

**T202916****Client:** Jones Environmental  
**Project:** Wilmington Fast Lan**Project Manager:** Jeff Lee  
**Project Number:** ST-15885**Report To:**Jones Environmental  
David Mirakian  
11007 Forest Place  
Santa Fe Springs, CA 90670**Date Due:** 08/10/20 17:00 (5 day TAT)**Received By:** Dave Berner**Date Received:** 07/31/20 16:17**Logged In By:** Dave Berner**Date Logged In:** 07/31/20 16:51**Samples Received at:** 4.9°C**Custody Seals** No **Received On Ice** Yes**Containers Intact** Yes**COC/Labels Agree** Yes**Preservation Confir** No

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

**T202916-01 B9-GW [Water] Sampled 07/31/20 08:00 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/07/20 08:00

**T202916-02 B14-GW [Water] Sampled 07/31/20 10:40 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/07/20 10:40

**T202916-03 B16-GW [Water] Sampled 07/31/20 11:55 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/07/20 11:55



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Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

07 August 2020

David Mirakian  
Jones Environmental  
11007 Forest Place  
Santa Fe Springs, CA 90670  
RE: Wilmington Fast Lan

Enclosed are the results of analyses for samples received by the laboratory on 07/31/20 16:17. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee  
Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

**Reported:**  
08/07/20 09:01

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-GW	T202917-01	Water	07/30/20 09:15	07/31/20 16:17
B4-GW	T202917-02	Water	07/31/20 12:20	07/31/20 16:17
B6-GW	T202917-03	Water	07/30/20 13:00	07/31/20 16:17
B17-GW	T202917-04	Water	07/30/20 15:35	07/31/20 16:17
B12-GW	T202917-05	Water	07/30/20 15:10	07/31/20 16:17

Revised CoC has been provided by client to correct the sampling date. Both original and revised CoC are included in this report. JL 8/3/20.

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Page 1 of 9



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Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

**Reported:**  
08/07/20 09:01

#### DETECTIONS SUMMARY

**Sample ID:** B1-GW **Laboratory ID:** T202917-01

No Results Detected

**Sample ID:** B4-GW **Laboratory ID:** T202917-02

No Results Detected

**Sample ID:** B6-GW **Laboratory ID:** T202917-03

No Results Detected

**Sample ID:** B17-GW **Laboratory ID:** T202917-04

No Results Detected

**Sample ID:** B12-GW **Laboratory ID:** T202917-05

No Results Detected

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Page 2 of 9



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Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

Reported:  
08/07/20 09:01

**B1-GW**  
**T202917-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/04/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		68.5 %	33-141		"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

Reported:  
08/07/20 09:01

**B4-GW**  
**T202917-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/04/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		61.6 %	33-141		"	"	"	"	

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Jeff Lee, Project Manager



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11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

Reported:  
08/07/20 09:01

**B6-GW**  
**T202917-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/04/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		54.9 %	33-141		"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

Reported:  
08/07/20 09:01

**B17-GW**  
**T202917-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/05/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		57.1 %	33-141		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental 11007 Forest Place Santa Fe Springs CA, 90670	Project: Wilmington Fast Lan Project Number: ST-15877 Project Manager: David Mirakian	Reported: 08/07/20 09:01
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**B12-GW**  
**T202917-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring**

Acenaphthene	ND	1.00	ug/l	1	0080414	08/04/20	08/05/20	EPA 8270C SIM	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1.00	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	1.00	"	"	"	"	"	"	
Chrysene	ND	1.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	1.00	"	"	"	"	"	"	
Fluoranthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	1.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1.00	"	"	"	"	"	"	
Naphthalene	ND	1.00	"	"	"	"	"	"	
Phenanthrene	ND	1.00	"	"	"	"	"	"	
Pyrene	ND	1.00	"	"	"	"	"	"	
Surrogate: Terphenyl-d14		60.9 %	33-141		"	"	"	"	

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jeff Lee, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental 11007 Forest Place Santa Fe Springs CA, 90670	Project: Wilmington Fast Lan Project Number: ST-15877 Project Manager: David Mirakian	Reported: 08/07/20 09:01
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**Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0080414 - EPA 3550 ECD/GCMS**

**Blank (0080414-BLK1)**

Prepared & Analyzed: 08/04/20

Acenaphthene	ND	1.00	ug/l							
Acenaphthylene	ND	1.00	"							
Anthracene	ND	1.00	"							
Benzo (a) anthracene	ND	1.00	"							
Benzo (b) fluoranthene	ND	1.00	"							
Benzo (k) fluoranthene	ND	1.00	"							
Benzo (g,h,i) perylene	ND	1.00	"							
Benzo (a) pyrene	ND	1.00	"							
Chrysene	ND	1.00	"							
Dibenz (a,h) anthracene	ND	1.00	"							
Fluoranthene	ND	1.00	"							
Indeno (1,2,3-cd) pyrene	ND	1.00	"							
Fluorene	ND	1.00	"							
Naphthalene	ND	1.00	"							
Phenanthrene	ND	1.00	"							
Pyrene	ND	1.00	"							

Surrogate: Terphenyl-dl4	18.1		"	20.0		90.6	33-141			
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**LCS (0080414-BS1)**

Prepared & Analyzed: 08/04/20

Acenaphthene	13.2	1.00	ug/l	20.0		66.1	50-130			
Pyrene	11.2	1.00	"	20.0		55.9	41.8-88			

Surrogate: Terphenyl-dl4	17.4		"	20.0		86.8	33-141			
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**LCS Dup (0080414-BSD1)**

Prepared & Analyzed: 08/04/20

Acenaphthene	14.1	1.00	ug/l	20.0		70.5	50-130	6.44	31	
Pyrene	11.0	1.00	"	20.0		55.0	41.8-88	1.62	30	

Surrogate: Terphenyl-dl4	17.2		"	20.0		86.2	33-141			
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SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Wilmington Fast Lan  
Project Number: ST-15877  
Project Manager: David Mirakian

**Reported:**  
08/07/20 09:01

### Notes and Definitions

DET      Analyte DETECTED  
ND      Analyte NOT DETECTED at or above the reporting limit  
NR      Not Reported  
dry      Sample results reported on a dry weight basis  
RPD      Relative Percent Difference

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T202917  
 Client Name: Jones Env. Project: Wilmington Fast Lan  
 Delivered by: ☐ Client ☐ SunStar Courier ☐ GLS ☐ FedEx ☐ UPS  
 If Courier, Received by: Dan Date/Time Courier Received: 7-31-20 15:15  
 Lab Received by: Dave Date/Time Lab Received: 7-31-20 16:17  
 Total number of coolers received: \_\_\_\_\_ Thermometer ID: SC-2 Calibration due: 8-21-20

Temperature: Cooler #1 <u>3.7</u> °C +/- the CF (+ 1.2°C) = <u>4.9</u> °C corrected temperature	
Temperature: Cooler #2 _____ °C +/- the CF (+ 1.2°C) = _____ °C corrected temperature	
Temperature: Cooler #3 _____ °C +/- the CF (+ 1.2°C) = _____ °C corrected temperature	
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>	Within criteria? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>If NO:</b>	
Samples received on ice? <input type="checkbox"/> Yes	<input type="checkbox"/> No → <b>Complete Non-Conformance Sheet</b>
If on ice, samples received same day collected? <input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → <b>Complete Non-Conformance Sheet</b>

Custody seals intact on cooler/sample ☐ Yes ☐ No\* ☒ N/A  
 Sample containers intact ☒ Yes ☐ No\*  
 Sample labels match Chain of Custody IDs ☒ Yes ☐ No\*  
 Total number of containers received match COC ☒ Yes ☐ No\*  
 Proper containers received for analyses requested on COC ☒ Yes ☐ No\*  
 Proper preservative indicated on COC/containers for analyses requested ☒ Yes ☐ No\* ☐ N/A  
 Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times ☐ Yes ☒ No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DB 8-1-20

**Comments:** Samples 02, 03, 04, 05 all have different dates that don't match the dates listed on the sample containers. Samples have been logged in with the date on the label.

## SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T202917
**COOLERS**

- ☐ Not Received (received COC only)
- ☐ Leaking/Damaged
- ☐ Other:

**CUSTODY SEALS**

- ☐ None
- ☐ Not Intact

**TEMPERATURE (Temp criteria  $\leq 6^{\circ}\text{C}$ )**

- ☐ Cooler/Sample Temp(s)
- ☐ Temperature Blank(s)

**CHAIN OF CUSTODY (COC)**
☐ Not relinquished by client; No date/time relinquished

- ☐ Incomplete information provided
- ☐ COC not received – notify PM

**CONTAINERS**

- ☐ Leaking
- ☐ Broken
- ☐ Extra
- ☐ Missing

**LABELS**

- ☐ Not the same sample ID / info as on the COC
- ☐ Incomplete Information
- ☐ Markings/Info illegible

**SAMPLES**

- ☐ Samples **NOT RECEIVED** but listed on COC
- ☐ Samples received but **NOT LISTED** on COC
- ☐ Logged based on Label Information and not COC
- ☐ Logged according to Work Plan and not COC
- ☐ Logged in, **ON HOLD** until further notice
- ☐ Insufficient quantities for analysis
- ☐ Improper container used

- ☒ Mislabeled as to tests, preservatives, etc. (date)
- ☐ Holding time expired – list sample ID and test
- ☐ Not preserved/Improper preservative used
- ☐ Without Labels, no information on containers
- ☐ VOA vial(s) containing headspace >6mm
- ☐ Other

Project Manager notified of sample non-conformance(s)

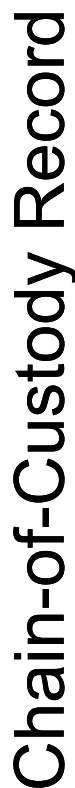
☒ Yes ☐ No

All samples accepted for processing and distributing to laboratory(ies)

☒ Yes ☐ No

For samples not accepted due to non-conformance, specify each specific sample ID being rejected in the comments section below:

**Comments:** Dates on sample labels don't match the dates listed on the COC. Samples have been logged in with the date that's on the label and not the COC.



**Jones Project #**

**ST-15877**

Page

1 of 1

Sample Condition as Received:

**Turn Around Requested:**

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☐ Normal

Date \_\_\_\_\_

7/31/2020

**Client Project #**  
**12736.004**

**Sample Container / Preservative**  
**Abbreviations**

AS - Acetate Sleeve  
SSS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO<sub>3</sub> - Nitric Acid  
O - Other (See Notes)

## Analysis Requested

Number of Containers

## Notes & Special Instructions

Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

Client	Leighton Consulting, INC.		
Project Name	Wilmington Fast Lan		
Project Address	Port of LA, Wilmington, CA		
Email	reports@jonesenv.com		
Phone	(562) 646-1611		
Report To	David Mirakian		
Sampler			

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample (S), Slug	EPA 8270C											Notes & Special Instructions
								Number										
B1-GW	7/30/2020	9:15	ST-15877-47		AB	A	X											
B4-GW	7/30/2020	12:20	ST-15877-48		AB	A	X											
B6-GW	7/30/2020	13:00	ST-15877-49		AB	A	X											
B17-GW	7/30/2020	15:35	ST-15877-50		AB	A	X											
B12-GW	7/30/2020	15:10	ST-15877-51		AB	A	X											
Relinquished By (Signature)								Printed Name										Total Number of Containers
Company								Date										
Relinquished By (Signature)								Printed Name										Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.
Company								Date										

**Jeff Lee**

---

**From:** David Mirakian <david@jonesenv.com>  
**Sent:** Monday, August 03, 2020 12:02 PM  
**To:** Jeff Lee  
**Cc:** <reports@jonesenv.com>  
**Subject:** Re: Possible Sampling Date Error  
**Attachments:** ST-15877 Oultab COC.pdf

Thanks for letting me know Jeff,

Attached is a revised copy of the COC to include correct sampling dates.

Sincerely,

David M. Mirakian, MS  
Stationary Lab Manager  
Jones Environmental, Inc.  
[www.jonesenv.com](http://www.jonesenv.com)  
(714) 449-9937

On Mon, Aug 3, 2020 at 9:49 AM Jeff Lee <[jefflee@sunstarlabs.com](mailto:jefflee@sunstarlabs.com)> wrote:

Hi David,

I was reviewing this CoC vs our work order confirmation form. I noticed the sample date on the CoC is probably incorrect. Can you help confirm the sample please? You can either make the correction on the CoC and initial or send me a revised CoC form so I can attach to the work order. Thanks David.

**Jeff Lee**  
**Project Manager**



25732 Commadore Dr., Lake Forest, CA 92650  
Office: (949) 287-5020  
EAP Accreditation: 2250 State of Nevada Accreditation: CAC12842019-1  
ISO 17025 Accreditation: A7-2842 CA State Business Certification: 20511

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## WORK ORDER

**T202917****Client: Jones Environmental**  
**Project: Wilmington Fast Lan-1****Project Manager: Jeff Lee**  
**Project Number: ST-15877****Report To:**Jones Environmental  
David Mirakian  
11007 Forest Place  
Santa Fe Springs, CA 90670

Date Due: 08/10/20 17:00 (5 day TAT)

Received By: Dave Berner

Date Received: 07/31/20 16:17

Logged In By: Dave Berner

Date Logged In: 07/31/20 17:16

Samples Received at: **4.9°C**

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

**T202917-01 B1-GW [Water] Sampled 07/30/20 09:15 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/06/20 09:15

**T202917-02 B4-GW [Water] Sampled 07/31/20 12:20 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/07/20 12:20

**T202917-03 B6-GW [Water] Sampled 07/30/20 13:00 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/06/20 13:00

**T202917-04 B17-GW [Water] Sampled 07/30/20 15:35 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/06/20 15:35

**T202917-05 B12-GW [Water] Sampled 07/30/20 15:10 (GMT-08:00) Pacific Time (US &**

8270C PAH SIM 08/10/20 15:00 5 08/06/20 15:10



714-449-9937  
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805-399-0060

11007 FOREST PLACE  
SANTA FE SPRINGS, CA 90670  
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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/13/2020

**Physical State:** Soil

---

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8270C by 3546 – PAH/PNA Compounds by GC/MS
2. STLC Waste Extraction Test by ICP-OES
3. TCLP Metals by ICP-OES

Approval:

David Mirakian, M.S.  
Stationary Lab Chemist



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562-646-1611  
805-399-0060

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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	HA1-2.5	HA5-0.5	HA7-0.5	HA8-0.5	HA9-0.5		
<u>Jones ID:</u>	ST-15867-02	ST-15867-13	ST-15867-16	ST-15867-19	ST-15867-22	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Naphthalene	ND	ND	ND	ND	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	ND	ND	ND	20	µg/kg
1-Methylnaphthalene	ND	ND	ND	ND	ND	20	µg/kg
Acenaphthalene	ND	ND	ND	ND	ND	20	µg/kg
Acenaphthene	ND	ND	ND	ND	ND	20	µg/kg
Fluorene	ND	ND	ND	ND	ND	20	µg/kg
Phenanthrene	ND	ND	ND	32	66	20	µg/kg
Anthracene	ND	ND	ND	26	26	20	µg/kg
Fluoranthene	ND	ND	32	62	128	20	µg/kg
Pyrene	ND	24	32	64	118	20	µg/kg
Benz[a]anthracene	ND	ND	ND	52	74	20	µg/kg
Chrysene	ND	ND	ND	76	82	20	µg/kg
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	ND	ND	ND	123	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	ND	ND	ND	20	µg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
2-Fluorobiphenyl	52%	54%	33%	44%	38%	30 - 120	
p-Terphenyl_D14	52%	54%	33%	43%	35%	30 - 120	

8270-081320- 8270-081320- 8270-081320- 8270-081320- 8270-081320-

Batch: 1 1 1 1 1  
Prepared: 8/13/2020 8/13/2020 8/13/2020 8/13/2020 8/13/2020  
Analyzed: 8/14/2020 8/14/2020 8/14/2020 8/14/2020 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	<u>Method</u>		
	Blank		
<u>Jones ID:</u>	8270-081320- MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>			
Naphthalene	ND	20	µg/kg
2-Methylnaphthalene	ND	20	µg/kg
1-Methylnaphthalene	ND	20	µg/kg
Acenaphthalene	ND	20	µg/kg
Acenaphthene	ND	20	µg/kg
Fluorene	ND	20	µg/kg
Phenanthrene	ND	20	µg/kg
Anthracene	ND	20	µg/kg
Fluoranthene	ND	20	µg/kg
Pyrene	ND	20	µg/kg
Benz[a]anthracene	ND	20	µg/kg
Chrysene	ND	20	µg/kg
Benzo[b]fluoranthene	ND	20	µg/kg
Benzo[k]fluoranthene	ND	20	µg/kg
Benzo[a]pyrene	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	20	µg/kg
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
2-Fluorobiphenyl	74%	30 - 120	
p-Terphenyl_D14	76%	30 - 120	

8270-081320-

Batch: 1  
Prepared: 8/13/2020  
Analyzed: 8/14/2020

ND= Value less than reporting limit



714-449-9937  
562-646-1611  
805-399-0060

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SANTA FE SPRINGS, CA 90670  
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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

**Sample Spiked:** CLEAN SOIL

**Jones ID:** 8270-081320-LCS1 8270-081320-LCSD1

<u>Parameter</u>	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptable RPD limit	% Recovery Limits
Acenaphthene	62%	64%	3.5%	33%	31 - 137
Pyrene	80%	73%	9.2%	36%	35 - 142

#### Surrogate Recovery:

2-Fluorobiphenyl	71%	79%			30 - 120
p-Terphenyl-D <sub>14</sub>	79%	89%			30 - 120

**Batch:** 8270-081320-1

LCS = Laboratory Control Sample  
LCSD = Laboratory Control Sample Duplicate  
MS = Matrix Spike



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805-399-0060

11007 FOREST PLACE  
SANTA FE SPRINGS, CA 90670  
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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/17/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15867
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/29/2020
		<b>Date Received:</b>	7/29/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/14/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

	Result	Expected	%Deviation	Acceptable Deviation
CCV:	8270-081420-CCV1			
<b>Analytes:</b>				
Naphthalene	0.96	1.00	4%	20%
2-Methylnaphthalene	0.94	1.00	6%	20%
1-Methylnaphthalene	0.94	1.00	6%	20%
Acenaphthalene	0.88	1.00	12%	20%
Acenaphthene	0.88	1.00	12%	20%
Fluorene	0.99	1.00	1%	20%
Phenanthrene	0.94	1.00	6%	20%
Anthracene	0.95	1.00	5%	20%
Fluoranthene	0.93	1.00	7%	20%
Pyrene	0.90	1.00	10%	20%
Benz[a]anthracene	0.89	1.00	11%	20%
Chrysene	0.90	1.00	10%	20%
Benzo[b]fluoranthene	0.83	1.00	17%	20%
Benzo[k]fluoranthene	0.85	1.00	15%	20%
Benzo[a]pyrene	0.82	1.00	18%	20%
Indeno[1, 2, 3-cd]pyrene	0.80	1.00	20%	20%
Dibenz[a, h]anthracene	0.82	1.00	18%	20%
Benzo[g, h, i]perylene	0.82	1.00	18%	20%
<b><u>Surrogate Recovery:</u></b>				<b><u>QC Limits</u></b>
2-Fluorobiphenyl	97%			30 - 120
p-Terphenyl-D <sub>14</sub>	86%			30 - 120



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/29/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/17/2020

**Physical State:** Soil

---

**STLC Waste Extraction Test by ICP-OES**

---

**Sample ID:** HA8-2.5

**Jones ID:** ST-15867-20

**Reporting Limit** **Units**

**Analytes:**

**Lead, Pb** 20.3\*

0.010 mg/L

**Chromium, Cr** 2.10

0.010 mg/L

**Dilution Factor** 1/10\*

**Batch:** I20081701

ND = Value less than reporting limit

\*= Dilutions for these compound(s); first number for all others



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/17/2020

**Physical State:** Soil

---

**STLC Waste Extraction Test by ICP-OES**

---

**Sample ID:** HA9-2.5

**Jones ID:** ST-15867-23

**Analytes:**

Lead, Pb

**0.170**

**Reporting Limit**

**Units**

0.010

mg/L

**Dilution Factor** 1

**Batch:** I20081701

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/29/2020  
**Date Received:** 7/29/2020  
**Date Analyzed:** 8/17/2020  
**Physical State:** Soil

**BATCH:** I20081701      **Prepared:** 8/17/2020      **Analyzed:** 8/17/2020

### STLC Waste Extraction Test by ICP-OES

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>Method Blank:</b>	<b>I200817-MB1</b>						
Chromium, Cr	ND					0.010	mg/L
Lead, Pb	ND					0.010	mg/L

<b>LCS:</b>	<b>I200817-LCS1</b>						
Chromium, Cr	1.02	1.00	102%		80 - 120		mg/L
Lead, Pb	1.02	1.00	102%		80 - 120		mg/L

<b>LCSD:</b>	<b>I200817-LCSD1</b>						
Chromium, Cr	1.00	1.00	100%	2.0%	80 - 120		mg/L
Lead, Pb	1.03	1.00	103%	1.0%	80 - 120		mg/L

<b>CCV:</b>	<b>I200817-CCV1</b>						
Chromium, Cr	1.02	1.00	102%		90-110		mg/L
Lead, Pb	1.03	1.00	103%		90-110		mg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is  $\leq 15\%$

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15867  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/29/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/29/2020

**Date Analyzed:** 8/13/2020

**Physical State:** Soil

---

**TCLP Metals by ICP-OES**

---

**Sample ID:** HA8-2.5

**Jones ID:** ST-15867-20

**Reporting Limit** **Units**

**Analytes:**

Lead, Pb ND 0.010 mg/L

**Dilution Factor** 1

**Batch:** I20081301

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/17/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15867
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/29/2020
		<b>Date Received:</b>	7/29/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/13/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

**BATCH:** I20081301      **Prepared:** 8/13/2020      **Analyzed:** 8/13/2020

### TCLP Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>Method Blank:</b>	<b>I200813-MB1</b>						
Lead, Pb	ND					0.010	mg/L

<b>LCS:</b>	<b>I200813-LCS1</b>						
Lead, Pb	4.89	5.00	98%		80 - 120		mg/L

<b>LCSD:</b>	<b>I200813-LCSD1</b>						
Lead, Pb	4.80	5.00	96%	1.9%	80 - 120		mg/L

<b>CCV:</b>	<b>I200813-CCV1</b>						
Lead, Pb	1.02	1.00	102%		90-110		mg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is  $\leq 15\%$

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification



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Jones Project # ST-152607

Page 1 of 3

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

Turn Around Requested:

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours

Report Options  
EDD             
EDF\* - 10% Surcharge             
\*Global ID           

Date 7-29-2020

Client Project # 12736.004

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Client  
Leighton Consulting, Inc.  
Wilmington Fast Lane  
Port of LA, Wilmington, CA

Email  
[bmcculloch@leightongroup.com](mailto:bmcculloch@leightongroup.com)

Phone  
949-681-4287

Report To  
Brynn McCulloch

Sampler  
SAG / KCH

## Analysis Requested

Email bmcculloch@leightongroup.com		Phone 949-681-4287		Sampler SAG		Report To Brynn McCulloch															
AS - Acetate Sleeve		SS - Stainless Steel Sleeve		BS - Brass Sleeve		G - Glass		AB - Amber Bottle		P - Plastic		SOBI - Sodium Bisulfate		MeOH - Methanol		HCl - Hydrochloric Acid		HNO3 - Nitric Acid		O - Other (See Notes)	
Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCPs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions						
HA1-0.5	7-29-20	0827	ST-15260701		Jar	S	X	X	X	X		X	X	4	5035 kit						
HA1-2.5		0830	ST-15260702				X	X	X					1							
HA1-5		0835	ST-15260703				X	X	X					1							
HA2-0.5		0840	ST-15260704				X	X	X			X		1							
HA2-2.5		0842	ST-15260705				X	X	X					1							
HA2-5		0845	ST-15260706				X	X	X	X		X		4	5035 kit						
HA3-0.5		0858	ST-15260707				X	X	X	X		X		4	5035 kit						
HA3-2.5		0903	ST-15260708				X	X	X	X				4	" "						
HA3-5		0905	ST-15260709				X	X	X	X				4	" "						
HA4-0.5		0917	ST-15260710				X	X	X	X		X	X	4	" "						
Relinquished By (Signature) Ben C. Hall	Printed Name K. Hall	Printed Name Emily Rosen		Received By (Signature) SAG		Printed Name		Total Number of Containers													

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

Client <b>Leighton Consulting, Inc.</b>	Date <b>7-29-2020</b>
Project Name <b>Wilmington Fast Lane</b>	Client Project # <b>12736.004</b>
Project Address <b>Port of LA, Wilmington, CA</b>	Sample Container / Preservative Abbreviations

Email <b>bmcculloch@leightongroup.com</b>	AS - Acetate Sleeve
Phone <b>949-681-4287</b>	SS - Stainless Steel Sleeve
Report To <b>Brynn McCulloch</b>	BS - Brass Sleeve
	G - Glass
	AB - Amber Bottle
	P - Plastic
	SOBI - Sodium Bisulfate
	MeOH - Methanol
	HCl - Hydrochloric Acid
	HNO3 - Nitric Acid
	O - Other (See Notes)

Turn Around Requested:	Report Options
<input type="checkbox"/> Immediate Attention	EDD _____
<input type="checkbox"/> Rush 24 Hours	EDF* - 10% Surcharge _____
<input type="checkbox"/> Rush 48 Hours	*Global ID _____
<input type="checkbox"/> Rush 72 Hours	
<input type="checkbox"/> Normal	

LAB USE ONLY	Jones Project # <b>ST-182607</b>
	Page <b>2 of 3</b>
	Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Analysis Requested	Number of Containers	Notes & Special Instructions
HA4-2.5	7-24-20	0922	ST-182607-11		Jar	S	X	X							1	
HA4-5		0925	ST-182607-12												1	
HA5-0.5		0938	ST-182607-13									X			1	
HA5-2.5		0940	ST-182607-14							X					4	5035 kit
HA5-5		0942	ST-182607-15												1	
HA7-0.5		0736	ST-182607-16								X				1	
HA7-2.5		0800	ST-182607-17							X					4	5035 kit
HA7-5		0803	ST-182607-18												1	
HA8-0.5		0725	ST-182607-19								X				1	
HA8-2.5		0728	ST-182607-20						X						4	5035 kit
Relinquished By (Signature) <i>Kevin C. Hall</i>	Printed Name <b>K. Hall</b>	Date <b>7/29/20</b>	Time <b>1140</b>	Company <b>LCI</b>	Received By (Signature) <i>[Signature]</i>	Printed Name <b>Emily R</b>	Date <b>7/29/20</b>	Time <b>1140</b>	Company <b>Jones Env</b>	Received By Laboratory (Signature) <i>[Signature]</i>	Printed Name <b>Jones Env</b>	Date <b>7/29/20</b>	Time <b>1140</b>	Company <b>Jones Env</b>	Total Number of Containers	

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

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Client  
**Leighton Consulting, Inc.**

Project Name  
**Wilmington Fast Lane**

Project Address  
**Port of LA, Wilmington, CA**

Email  
**bmcculloch@leightongroup.com**

Phone  
**949-681-4287**

Report To  
**Brynn McCulloch**

Sampler  
**SAG / KCH**

Date

**7-29-2020**

Client Project #

**12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOB - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

- ☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☐ Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Jones Project #

**ST-182607**

Page

**3 of 3**

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample Matrix:	TPHg, d and o (6015)	VOCs (8260B/5035)	PAHs (8270C)	OCPs (8081A)	PCBs (8082)	Number of Containers
Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	X					1
Sample Matrix	X					1
Sample Matrix	X					1
Sample Matrix	X					4

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Notes & Special Instructions
HAB-5	7-24-20	0730	ST-182607-21		Jar	
HAG-0.5	7-24-20	0715	ST-182607-22		Jar	
HAG-2.5	7-24-20	0726	ST-182607-23		Jar	
HAG-5	7-24-20	0731	ST-182607-24		Jar	5035 kit

Relinquished By (Signature)	Printed Name	Received By (Signature)	Printed Name
<i>Kim C. Hall</i>	<b>K. Hall</b>	<i>Emily Rose</i>	<b>Emily Rose</b>
Company	Date	Company	Date
<b>LCI</b>	<b>7/24/20 1140</b>	<b>Jones</b>	<b>7/29/20 1140</b>
Relinquished By (Signature)	Printed Name	Received By Laboratory (Signature)	Printed Name
<i>LCI</i>	<b>LCI</b>	<i>Jones</i>	<b>Jones</b>
Company	Date	Company	Date
<b>LCI</b>	<b>7/24/20 1140</b>	<b>Jones</b>	<b>7/29/20 1140</b>

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested and the information provided herein is correct and accurate.



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Physical State:** Soil

---

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8270C by 3546 – Semivolatile Organics by GC/MS
2. STLC Waste Extraction Test by ICP-OES

Approval:

David Mirakian, M.S.  
Stationary Lab Chemist



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	<b>B1-2.5</b>	<b>B1-5</b>	<b>B2-5</b>	<b>B3-5</b>	<b>B5-0.5</b>		
<u>Jones ID:</u>	ST-15877-02	ST-15877-03	ST-15877-07	ST-15877-12	ST-15877-19	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Naphthalene	ND	ND	ND	ND	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	ND	ND	ND	20	µg/kg
1-Methylnaphthalene	ND	ND	ND	ND	ND	20	µg/kg
Acenaphthalene	ND	ND	ND	ND	ND	20	µg/kg
Acenaphthene	ND	ND	ND	ND	ND	20	µg/kg
Fluorene	ND	ND	ND	ND	ND	20	µg/kg
Phenanthrene	ND	ND	ND	<b>30</b>	ND	20	µg/kg
Anthracene	ND	ND	ND	ND	ND	20	µg/kg
Fluoranthene	ND	ND	ND	<b>66</b>	ND	20	µg/kg
Pyrene	<b>20</b>	ND	ND	<b>56</b>	<b>32</b>	20	µg/kg
Benz[a]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Chrysene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	ND	ND	ND	20	µg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
2-Fluorobiphenyl	51%	56%	53%	76%	66%	30 - 120	
p-Terphenyl_D14	33%	34%	46%	49%	41%	30 - 120	

8270-081320- 8270-081320- 8270-081320- 8270-081320- 8270-081320-

Batch: 2 2 2 2 2  
Prepared: 8/13/2020 8/13/2020 8/13/2020 8/13/2020 8/13/2020  
Analyzed: 8/14/2020 8/14/2020 8/14/2020 8/14/2020 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	B6-0.5	B7-0.5	B8-0.5	B12-2.5	B17-0.5		
<u>Jones ID:</u>	ST-15877-23	ST-15877-27	ST-15877-31	ST-15877-36	ST-15877-39	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Naphthalene	ND	ND	ND	ND	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	ND	ND	ND	20	µg/kg
1-Methylnaphthalene	ND	ND	ND	ND	ND	20	µg/kg
Acenaphthalene	ND	46	ND	ND	46	20	µg/kg
Acenaphthene	ND	ND	ND	ND	ND	20	µg/kg
Fluorene	ND	ND	ND	ND	ND	20	µg/kg
Phenanthrene	28	ND	ND	ND	ND	20	µg/kg
Anthracene	ND	ND	ND	ND	ND	20	µg/kg
Fluoranthene	22	227	ND	ND	ND	20	µg/kg
Pyrene	ND	141	ND	ND	ND	20	µg/kg
Benz[a]anthracene	ND	133	ND	ND	ND	20	µg/kg
Chrysene	ND	119	ND	ND	ND	20	µg/kg
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	ND	ND	ND	20	µg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
2-Fluorobiphenyl	64%	77%	68%	61%	76%	30 - 120	
p-Terphenyl_D14	36%	45%	40%	37%	44%	30 - 120	

8270-081320- 8270-081320- 8270-081320- 8270-081320- 8270-081320-

Batch: 2 2 2 2 2  
Prepared: 8/13/2020 8/13/2020 8/13/2020 8/13/2020 8/13/2020  
Analyzed: 8/14/2020 8/14/2020 8/14/2020 8/14/2020 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	B17-2.5	B18-0.5	B18-2.5		
<u>Jones ID:</u>	ST-15877-40	ST-15877-43	ST-15877-44	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>					
Naphthalene	ND	ND	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	ND	20	µg/kg
1-Methylnaphthalene	ND	ND	ND	20	µg/kg
Acenaphthalene	ND	ND	ND	20	µg/kg
Acenaphthene	ND	ND	ND	20	µg/kg
Fluorene	ND	ND	ND	20	µg/kg
Phenanthrene	ND	ND	ND	20	µg/kg
Anthracene	ND	ND	ND	20	µg/kg
Fluoranthene	ND	ND	ND	20	µg/kg
Pyrene	ND	ND	ND	20	µg/kg
Benz[a]anthracene	ND	ND	ND	20	µg/kg
Chrysene	ND	ND	ND	20	µg/kg
Benzo[b]fluoranthene	ND	ND	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	ND	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	ND	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	ND	20	µg/kg
<b><u>Dilution Factor</u></b>	1	1	1		
<b><u>Surrogate Recoveries:</u></b>				<b><u>QC Limits</u></b>	
2-Fluorobiphenyl	45%	49%	38%	30 - 120	
p-Terphenyl_D14	34%	28%•	22%•	30 - 120	

8270-081320- 8270-081320- 8270-081320-

Batch: 2 2 2  
Prepared: 8/13/2020 8/13/2020 8/13/2020  
Analyzed: 8/14/2020 8/14/2020 8/14/2020

ND= Value less than reporting limit

• = Sample matrix prevents adequate surrogate recovery



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## JONES ENVIRONMENTAL LABORATORY RESULTS

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	<u>Method</u>		
	Blank		
<u>Jones ID:</u>	8270-081320- MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>			
Naphthalene	ND	20	µg/kg
2-Methylnaphthalene	ND	20	µg/kg
1-Methylnaphthalene	ND	20	µg/kg
Acenaphthalene	ND	20	µg/kg
Acenaphthene	ND	20	µg/kg
Fluorene	ND	20	µg/kg
Phenanthrene	ND	20	µg/kg
Anthracene	ND	20	µg/kg
Fluoranthene	ND	20	µg/kg
Pyrene	ND	20	µg/kg
Benz[a]anthracene	ND	20	µg/kg
Chrysene	ND	20	µg/kg
Benzo[b]fluoranthene	ND	20	µg/kg
Benzo[k]fluoranthene	ND	20	µg/kg
Benzo[a]pyrene	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	20	µg/kg
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
2-Fluorobiphenyl	65%	30 - 120	
p-Terphenyl_D14	42%	30 - 120	

8270-081320-  
Batch: 2  
Prepared: 8/13/2020  
Analyzed: 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

**Sample Spiked:** CLEAN SOIL

**Jones ID:** 8270-081320-LCS2 8270-081320-LCSD2

<u>Parameter</u>	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptable RPD limit	% Recovery Limits
Acenaphthene	54%	54%		33%	31 - 137
Pyrene	66%	46%	34.6%	36%	35 - 142

#### Surrogate Recovery:

2-Fluorobiphenyl	81%	61%			30 - 120
p-Terphenyl-D <sub>14</sub>	64%	45%			30 - 120

**Batch:** 8270-081320-2

LCS = Laboratory Control Sample  
LCSD = Laboratory Control Sample Duplicate  
MS = Matrix Spike



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/17/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15877
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/30/2020
		<b>Date Received:</b>	7/30/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/14/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

	Result	Expected	%Deviation	Acceptable Deviation
CCV:	8270-081420-CCV2			
Analytes:				
Naphthalene	1.09	1.00	9%	20%
2-Methylnaphthalene	1.01	1.00	1%	20%
1-Methylnaphthalene	0.99	1.00	1%	20%
Acenaphthalene	0.92	1.00	8%	20%
Acenaphthene	0.88	1.00	12%	20%
Fluorene	0.94	1.00	6%	20%
Phenanthrene	0.90	1.00	10%	20%
Anthracene	0.97	1.00	3%	20%
Fluoranthene	0.90	1.00	10%	20%
Pyrene	0.90	1.00	10%	20%
Benz[a]anthracene	1.08	1.00	8%	20%
Chrysene	1.07	1.00	7%	20%
Benzo[b]fluoranthene	0.84	1.00	16%	20%
Benzo[k]fluoranthene	0.82	1.00	18%	20%
Benzo[a]pyrene	0.91	1.00	9%	20%
Indeno[1, 2, 3-cd]pyrene	0.80	1.00	20%	20%
Dibenz[a, h]anthracene	0.94	1.00	6%	20%
Benzo[g, h, i]perylene	0.83	1.00	17%	20%
Surrogate Recovery:				QC Limits
2-Fluorobiphenyl	97%			30 - 120
p-Terphenyl-D <sub>14</sub>	86%			30 - 120



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/30/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/30/2020

**Date Analyzed:** 8/17/2020

**Physical State:** Soil

---

**STLC Waste Extraction Test by ICP-OES**

---

**Sample ID:** B12-2.5

**Jones ID:** ST-15877-36

**Reporting Limit** **Units**

**Analytes:**

Barium, Ba

5.30

0.010

mg/L

**Dilution Factor** 1

**Batch:** I20081701

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15877  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/30/2020  
**Date Received:** 7/30/2020  
**Date Analyzed:** 8/17/2020  
**Physical State:** Soil

**BATCH:** I20081701      **Prepared:** 8/17/2020      **Analyzed:** 8/17/2020

### STLC Waste Extraction Test by ICP-OES

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>Method Blank: I200817-MB1</b>							
Barium, Ba	ND					0.010	mg/L
<b>LCS: I200817-LCS1</b>							
Barium, Ba	1.02	1.00	102%		80 - 120		mg/L
<b>LCSD: I200817-LCSD1</b>							
Barium, Ba	1.00	1.00	100%	2.0%	80 - 120		mg/L
<b>CCV: I200817-CCV1</b>							
Barium, Ba	1.03	1.00	103%		90-110		mg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is  $\leq 15\%$

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification



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# Chain-of-Custody Record

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Client  
**Leighton Consulting, Inc.**

Project Name

**Wilmington Fast Lane**

Project Address

**Port of LA, Wilmington, CA**

Email

[bmcculloch@leightongroup.com](mailto:bmcculloch@leightongroup.com)

Phone

**949-681-4287**

Report To

**Brynn McCulloch**

Sampler

**SAG / KLU**

Date

**7-30-2020**

Client Project #

**12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

- ☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
☒ Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_

\*Global ID \_\_\_\_\_

Jones Project #

**ST-15877**

Page

**1** of **6**

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample Matrix:	Title 22 Metals (6010B/7471A)	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Number of Containers
Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	X	X	X		X	X	4
	X	X	X		X		1
	X	X	X		X		1
	X	X	X		X		1
	X	X	X		X		1
	X	X	X		X		4
	X	X	X		X		1
	X	X	X		X		1
	X	X	X		X		1

Notes & Special Instructions

Total Number of Containers

Printed Name

Date

Time

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

Received By (Signature)

Company

Date

Time

Printed Name

Date

Time

Relinquished By (Signature)

Company

Date

Time



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# Chain-of-Custody Record

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Jones Project # ST-15877

Page 2 of 6

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

Turn Around Requested:  
☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
☒ Normal

Report Options  
EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_

\*Global ID \_\_\_\_\_

Client **Leighton Consulting, Inc.**

Project Name **Wilmington Fast Lane**

Project Address **Port of LA, Wilmington, CA**

Email **bmcculloch@leightongroup.com**

Phone **949-681-4287**

Report To **Brynn McCulloch**

Sampler **SAG / KCH**

Date **7-30-2020**

Client Project # **12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCFs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B3-2.5	7-30-2020	0857	ST-15877-11			S		X	X					1	
B3-5		0859	ST-15877-12			S		X						1	
B3-8.5		0900	ST-15877-13			S		X						1	
B3-10		0903	ST-15877-14			S		X						1	
B4-0.5		0950	ST-15877-15			S		X						1	
B4-2.5		0952	ST-15877-16			S		X						1	
B4-5		0954	ST-15877-17			S		X						1	
B4-6		0955	ST-15877-18			S		X						1	
B5-0.5		1025	ST-15877-19			S		X						1	
B5-2.5		1027	ST-15877-20			S		X						1	

Relinquished By (Signature) [Signature] Printed Name K. Hall Date 7/30/20 Time 1652

Company LCI

Received By (Signature) [Signature] Printed Name Emily Jones Date 7/30/20 Time 1652

Company Jones

Relinquished By (Signature) \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Company \_\_\_\_\_

Received By (Signature) \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

Company \_\_\_\_\_

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

Client <b>Leighton Consulting, Inc.</b>		Date <b>7-30-2020</b>	Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24 Hours <input type="checkbox"/> Rush 48 Hours <input type="checkbox"/> Rush 72 Hours <input checked="" type="checkbox"/> Normal	Report Options EDD _____ EDF* - 10% Surcharge _____ *Global ID _____
Project Name <b>Wilmington Fast Lane</b>		Client Project # <b>12736.004</b>	LAB USE ONLY Jones Project # <b>815877</b> Page <b>3 of 6</b>	
Project Address <b>Port of LA, Wilmington, CA</b>		Sample Container / Preservative Abbreviations AS - Acetate Sleeve SS - Stainless Steel Sleeve BS - Brass Sleeve G - Glass AB - Amber Bottle P - Plastic SOBI - Sodium Bisulfate MeOH - Methanol HCl - Hydrochloric Acid HNO3 - Nitric Acid O - Other (See Notes)		
Email <b>bmcculloch@leightongroup.com</b>	Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no			
Phone <b>949-681-4287</b>				
Report To <b>Brynn McCulloch</b>	Sampler <b>SAG / KCH</b>			

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Analysis Requested	Number of Containers	Notes & Special Instructions
B5-S	7-30-2020	1029	81-15877-21			TPHg, d and o (6015)	1	
B5-6		1031	81-15877-22			Title 22 Metals (60108/7471A)	1	
B6-0.5		1104	81-15877-23			Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	1	
B6-2.5		1106	81-15877-24			VOCs (8260B/5035)	1	
B6-S		1112	81-15877-25			PAHs (8270C)	4	
B6-7.5		1115	81-15877-26			OCs (8081A)	1	
B7-0.5		1131	81-15877-27			PCBs (8082)	4	
B7-2.5		1133	81-15877-28				1	
B7-S		1136	81-15877-29				1	
B7-7		1140	81-15877-30				1	

Relinquished By (Signature) <i>Mark Hall</i>	Printed Name <b>Mark Hall</b>	Date <b>7/30/20</b>	Time <b>1452</b>
Company <b>LCI</b>	Received By (Signature) <i>Emily Jones</i>	Printed Name <b>Emily Jones</b>	Date <b>7/30/20</b>
Relinquished By (Signature)	Received By Laboratory (Signature)	Date	Time
Company	Company	Date	Time

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

LAB USE ONLY

Jones Project # ST-15877

Page 4 of 6

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

Turn Around Requested:  
☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
Normal

Report Options  
EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Client **Leighton Consulting, Inc.**

Project Name **Wilmington Fast Lane**

Project Address **Port of LA, Wilmington, CA**

Date 7-30-2020

Client Project # 12736.004

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Email bmcculloch@leightongroup.com

Phone 949-681-4287

Sampler SAG / KCH

## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCFs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B8-0.5	7-30-2020	1340	ST-15877-31			S	X			X	X	1	
B8-2.5		1342	ST-15877-32					X				1	
B8-5		1345	ST-15877-33					X				1	
B8-7		1351	ST-15877-34									1	
B12-0.5		1449	ST-15877-35					X		X		1	
B12-2.5		1454	ST-15877-36									1	
B12-5		1457	ST-15877-37					X				1	
B12-6		1458	ST-15877-38									1	
B17-0.5		1157	ST-15877-39					X		X		1	
B17-2.5		1159	ST-15877-40					X				1	
Relinquished By (Signature)	<u>Mc Culloch</u>	Printed Name	<u>K. Hall</u>	Received By (Signature)	<u>Emily</u>	Printed Name	<u>Emily</u>	Date	<u>7/30/2020</u>	Time	<u>1652</u>	Total Number of Containers	
Company	<u>LC</u>	Date	<u>7/30/20</u>	Company	<u>Jones</u>	Date	<u>7/30/2020</u>	Company	<u>Jones</u>	Date	<u>7/30/2020</u>	Time	
Relinquished By (Signature)		Printed Name		Received By Laboratory (Signature)		Date		Company		Date		Time	
Company		Date		Company		Date		Company		Date		Time	

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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# Chain-of-Custody Record

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Client  
**Leighton Consulting, Inc.**

Project Name  
**Wilmington Fast Lane**

Project Address  
**Port of LA, Wilmington, CA**

Email  
[bmcculloch@leightongroup.com](mailto:bmcculloch@leightongroup.com)

Phone

**949-681-4287**

Report To

**Brynn McCulloch**

Sampler

**SAG/KCH**

Date

**7-30-2020**

Client Project #

**12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☒ Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Jones Project #

**ST-15377**

Page

**5 of 6**

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
S	X	X	X	X		X		4	
				X		X		4	
						X	X	1	
				X				4	
								1	
				X				4	
				X				5	
				X	X			5	
				X	X			5	
				X	X			5	
				X	X			5	

Filter T22 GW as needed

Received By (Signature)

*[Signature]*

Company

**Jones**

Printed Name

**Emily**

Date

**7/30/20**

Time

**1:52**

Printed Name

**K. Ha**

Date

**7/30/20**

Time

**11:52**

Relinquished By (Signature)

*[Signature]*

Company

**LCI**

Printed Name

**LCI**

Date

**7/30/20**

Time

**11:52**

Received By Laboratory (Signature)

*[Signature]*

Company

**Jones**

Printed Name

**Jones**

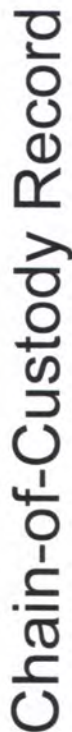
Date

**7/30/20**

Time

**1:52**

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



LAB USE ONLY

**EXHIBIT F-1 - 359**



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

---

**ANALYSES REQUESTED**

**Soil:**

1. EPA 8270C by 3546 – Semivolatile Organics by GC/MS
2. STLC Waste Extraction Test by ICP-OES
3. TCLP Metals by ICP-OES

Approval:

David Mirakian, M.S.  
Stationary Lab Chemist



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/14/2020  
**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	<b>B9-0.5</b>	<b>B10-0.5</b>	<b>B10-2.5</b>	<b>B10-5</b>	<b>B11-0.5</b>		
<u>Jones ID:</u>	<b>ST-15885-01</b>	<b>ST-15885-05</b>	<b>ST-15885-06</b>	<b>ST-15885-07</b>	<b>ST-15885-09</b>	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Naphthalene	ND	ND	72	ND	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	231	22	ND	20	µg/kg
1-Methylnaphthalene	ND	20	130	ND	ND	20	µg/kg
Acenaphthalene	ND	ND	ND	ND	ND	20	µg/kg
Acenaphthene	ND	ND	30	ND	ND	20	µg/kg
Fluorene	ND	ND	30	ND	ND	20	µg/kg
Phenanthrene	ND	46	146	ND	26	20	µg/kg
Anthracene	ND	24	ND	ND	ND	20	µg/kg
Fluoranthene	ND	62	ND	ND	30	20	µg/kg
Pyrene	ND	75	96	ND	40	20	µg/kg
Benz[a]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Chrysene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	ND	ND	ND	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	ND	ND	ND	20	µg/kg
<b><u>Dilution Factor</u></b>	1	1	1	1	1		
<b><u>Surrogate Recoveries:</u></b>						<b><u>QC Limits</u></b>	
2-Fluorobiphenyl	43%	41%	62%	57%	59%	30 - 120	
p-Terphenyl_D14	38%	41%	58%	54%	49%	30 - 120	

8270-081320- 8270-081320- 8270-081320- 8270-081320- 8270-081320-

Batch: 1 1 1 1 1  
Prepared: 8/13/2020 8/13/2020 8/13/2020 8/13/2020 8/13/2020  
Analyzed: 8/14/2020 8/14/2020 8/14/2020 8/14/2020 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/14/2020  
**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	<b>B11-2.5</b>	<b>B13-0.5</b>	<b>B14-2.5</b>	<b>B15-0.5</b>	<b>B16-0.5</b>		
<u>Jones ID:</u>	ST-15885-10	ST-15885-13	ST-15885-18	ST-15885-21	ST-15885-25	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>							
Naphthalene	ND	ND	ND	36	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	ND	28	ND	20	µg/kg
1-Methylnaphthalene	ND	ND	ND	24	ND	20	µg/kg
Acenaphthalene	ND	ND	ND	24	ND	20	µg/kg
Acenaphthene	ND	ND	ND	26	ND	20	µg/kg
Fluorene	ND	ND	ND	ND	ND	20	µg/kg
Phenanthrene	ND	94	50	94	60	20	µg/kg
Anthracene	ND	ND	ND	46	22	20	µg/kg
Fluoranthene	ND	288	66	207	85	20	µg/kg
Pyrene	ND	262	70	225	77	20	µg/kg
Benz[a]anthracene	ND	88	ND	161	ND	20	µg/kg
Chrysene	ND	ND	ND	219	ND	20	µg/kg
Benzo[b]fluoranthene	ND	ND	ND	281	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	ND	ND	291	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	ND	ND	197	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	ND	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	ND	293	ND	20	µg/kg
<u>Dilution Factor</u>	1	1	1	1	1		
<u>Surrogate Recoveries:</u>						<u>QC Limits</u>	
2-Fluorobiphenyl	66%	60%	53%	56%	55%	30 - 120	
p-Terphenyl_D14	61%	51%	42%	51%	49%	30 - 120	

8270-081320- 8270-081320- 8270-081320- 8270-081320- 8270-081320-

Batch: 1 1 1 1 1  
Prepared: 8/13/2020 8/13/2020 8/13/2020 8/13/2020 8/13/2020  
Analyzed: 8/14/2020 8/14/2020 8/14/2020 8/14/2020 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

**Sample ID:** B16-2.5 HA6-0.5

**Jones ID:** ST-15885-26 ST-15885-29

#### Analytes:

			<u>Reporting Limit</u>	<u>Units</u>
Naphthalene	ND	ND	20	µg/kg
2-Methylnaphthalene	ND	ND	20	µg/kg
1-Methylnaphthalene	ND	ND	20	µg/kg
Acenaphthalene	ND	ND	20	µg/kg
Acenaphthene	ND	ND	20	µg/kg
Fluorene	ND	ND	20	µg/kg
Phenanthrene	ND	20	20	µg/kg
Anthracene	ND	ND	20	µg/kg
Fluoranthene	ND	42	20	µg/kg
Pyrene	ND	46	20	µg/kg
Benz[a]anthracene	ND	58	20	µg/kg
Chrysene	ND	78	20	µg/kg
Benzo[b]fluoranthene	ND	ND	20	µg/kg
Benzo[k]fluoranthene	ND	ND	20	µg/kg
Benzo[a]pyrene	ND	139	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	117	20	µg/kg
Dibenz[a, h]anthracene	ND	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	ND	20	µg/kg

**Dilution Factor** 1 1

#### Surrogate Recoveries:

			<u>QC Limits</u>
2-Fluorobiphenyl	34%	64%	30 - 120
p-Terphenyl_D14	30%	52%	30 - 120

8270-081320- 8270-081320-

**Batch:** 1 1  
**Prepared:** 8/13/2020 8/13/2020  
**Analyzed:** 8/14/2020 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL LABORATORY RESULTS

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**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

<u>Sample ID:</u>	<u>Method</u>		
	Blank		
<u>Jones ID:</u>	8270-081320- MB1	<u>Reporting Limit</u>	<u>Units</u>
<b>Analytes:</b>			
Naphthalene	ND	20	µg/kg
2-Methylnaphthalene	ND	20	µg/kg
1-Methylnaphthalene	ND	20	µg/kg
Acenaphthalene	ND	20	µg/kg
Acenaphthene	ND	20	µg/kg
Fluorene	ND	20	µg/kg
Phenanthrene	ND	20	µg/kg
Anthracene	ND	20	µg/kg
Fluoranthene	ND	20	µg/kg
Pyrene	ND	20	µg/kg
Benz[a]anthracene	ND	20	µg/kg
Chrysene	ND	20	µg/kg
Benzo[b]fluoranthene	ND	20	µg/kg
Benzo[k]fluoranthene	ND	20	µg/kg
Benzo[a]pyrene	ND	20	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	20	µg/kg
Dibenz[a, h]anthracene	ND	20	µg/kg
Benzo[g, h, i]perylene	ND	20	µg/kg
<u>Dilution Factor</u>	1		
<u>Surrogate Recoveries:</u>		<u>QC Limits</u>	
2-Fluorobiphenyl	74%	30 - 120	
p-Terphenyl_D14	76%	30 - 120	

8270-081320-

Batch: 1  
Prepared: 8/13/2020  
Analyzed: 8/14/2020

ND= Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Received:** 7/31/2020

**Date Analyzed:** 8/14/2020

**Physical State:** Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

**Sample Spiked:** CLEAN SOIL

**Jones ID:** 8270-081320-LCS1 8270-081320-LCSD1

<u>Parameter</u>	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptable RPD limit	% Recovery Limits
Acenaphthene	62%	64%	3.5%	33%	31 - 137
Pyrene	80%	73%	9.2%	36%	35 - 142

**Surrogate Recovery:**

2-Fluorobiphenyl	71%	79%			30 - 120
p-Terphenyl-D <sub>14</sub>	79%	89%			30 - 120

**Batch:** 8270-081320-1

LCS = Laboratory Control Sample  
LCSD = Laboratory Control Sample Duplicate  
MS = Matrix Spike



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

<b>Client:</b>	Leighton Consulting, Inc.	<b>Report date:</b>	8/17/2020
<b>Client Address:</b>	17781 Cowan Irvine, CA 92614	<b>Jones Ref. No.:</b>	ST-15885
		<b>Client Ref. No.:</b>	12736.004
<b>Attn:</b>	Brynn McCulloch	<b>Date Sampled:</b>	7/31/2020
		<b>Date Received:</b>	7/31/2020
<b>Project:</b>	Wilmington Fast Lane	<b>Date Analyzed:</b>	8/14/2020
<b>Project Address:</b>	Port of LA Wilmington, CA	<b>Physical State:</b>	Soil

### EPA 8270C by 3546 – Semivolatile Organics by GC/MS

	Result	Expected	%Deviation	Acceptable Deviation
CCV:	8270-081420-CCV1			
<b>Analytes:</b>				
Naphthalene	0.96	1.00	4%	20%
2-Methylnaphthalene	0.94	1.00	6%	20%
1-Methylnaphthalene	0.94	1.00	6%	20%
Acenaphthalene	0.88	1.00	12%	20%
Acenaphthene	0.88	1.00	12%	20%
Fluorene	0.99	1.00	1%	20%
Phenanthrene	0.94	1.00	6%	20%
Anthracene	0.95	1.00	5%	20%
Fluoranthene	0.93	1.00	7%	20%
Pyrene	0.90	1.00	10%	20%
Benz[a]anthracene	0.89	1.00	11%	20%
Chrysene	0.90	1.00	10%	20%
Benzo[b]fluoranthene	0.83	1.00	17%	20%
Benzo[k]fluoranthene	0.85	1.00	15%	20%
Benzo[a]pyrene	0.82	1.00	18%	20%
Indeno[1, 2, 3-cd]pyrene	0.80	1.00	20%	20%
Dibenz[a, h]anthracene	0.82	1.00	18%	20%
Benzo[g, h, i]perylene	0.82	1.00	18%	20%
<b><u>Surrogate Recovery:</u></b>				<b><u>QC Limits</u></b>
2-Fluorobiphenyl	97%			30 - 120
p-Terphenyl-D <sub>14</sub>	86%			30 - 120



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/31/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/17/2020

**Physical State:** Soil

---

**STLC Waste Extraction Test by ICP-OES**

---

**Sample ID:** B9-2.5

**Jones ID:** ST-15885-02

**Reporting Limit** **Units**

**Analytes:**

Lead, Pb

**3.40**

0.010

mg/L

**Dilution Factor** 1

**Batch:** I20081701

ND = Value less than reporting limit



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/31/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/17/2020

**Physical State:** Soil

---

**STLC Waste Extraction Test by ICP-OES**

---

**Sample ID:** B15-0.5

**Jones ID:** ST-15885-21

**Reporting Limit**      **Units**

**Analytes:**

Lead, Pb	3.40	0.010	mg/L
Copper, Cu	5.00	0.010	mg/L

**Dilution Factor** 1

**Batch:** I20081701

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

**Client:** Leighton Consulting, Inc.  
**Client Address:** 17781 Cowan  
Irvine, CA 92614

**Report date:** 8/17/2020  
**Jones Ref. No.:** ST-15885  
**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/31/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/17/2020

**Physical State:** Soil

**BATCH:** I20081701      **Prepared:** 8/17/2020      **Analyzed:** 8/17/2020

### STLC Waste Extraction Test by ICP-OES

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>Method Blank:</b>	<b>I200817-MB1</b>						
Copper, Cu	ND					0.010	mg/L
Lead, Pb	ND					0.010	mg/L

<b>LCS:</b>	<b>I200817-LCS1</b>						
Copper, Cu	0.99	1.00	99%		80 - 120		mg/L
Lead, Pb	1.02	1.00	102%		80 - 120		mg/L

<b>LCSD:</b>	<b>I200817-LCSD1</b>						
Copper, Cu	0.98	1.00	98%	1.0%	80 - 120		mg/L
Lead, Pb	1.03	1.00	103%	1.0%	80 - 120		mg/L

<b>CCV:</b>	<b>I200817-CCV1</b>						
Copper, Cu	1.01	1.00	101%		90-110		mg/L
Lead, Pb	1.03	1.00	103%		90-110		mg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is  $\leq 15\%$

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification



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**JONES ENVIRONMENTAL  
LABORATORY RESULTS**

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**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch

**Date Sampled:** 7/31/2020

**Project:** Wilmington Fast Lane

**Date Received:** 7/31/2020

**Project Address:** Port of LA  
Wilmington, CA

**Date Analyzed:** 8/13/2020

**Physical State:** Soil

---

**TCLP Metals by ICP-OES**

---

**Sample ID:** B15-0.5

**Jones ID:** ST-15885-21

**Reporting Limit** **Units**

**Analytes:**

Lead, Pb

ND

0.010

mg/L

**Dilution Factor**

1

**Batch:**

I20081301

ND = Value less than reporting limit



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## JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

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Irvine, CA 92614

**Report date:** 8/17/2020  
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**Client Ref. No.:** 12736.004

**Attn:** Brynn McCulloch  
**Project:** Wilmington Fast Lane  
**Project Address:** Port of LA  
Wilmington, CA

**Date Sampled:** 7/31/2020  
**Date Received:** 7/31/2020  
**Date Analyzed:** 8/13/2020  
**Physical State:** Soil

**BATCH:** I20081301 **Prepared:** 8/13/2020 **Analyzed:** 8/13/2020

### TCLP Metals by ICP-OES

Analytes:	Result	Spike Level	% REC	% RPD	% REC Limits	Reporting Limit	Units
<b>Method Blank:</b>	<b>I200813-MB1</b>						
Lead, Pb	ND					0.010	mg/L

<b>LCS:</b>	<b>I200813-LCS1</b>						
Lead, Pb	4.89	5.00	98%		80 - 120		mg/L

<b>LCSD:</b>	<b>I200813-LCSD1</b>						
Lead, Pb	4.80	5.00	96%	1.9%	80 - 120		mg/L

<b>CCV:</b>	<b>I200813-CCV1</b>						
Lead, Pb	1.02	1.00	102%		90-110		mg/L

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is  $\leq 15\%$

LCS = Laboratory Control Sample

LCSD= Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification



11007 Forest Pl.  
Santa Fe Springs, CA 90670  
(714) 449-9937  
Fax (714) 449-9685  
www.jonesenv.com

# Chain-of-Custody Record

<b>Client</b> <b>Leighton Consulting, Inc.</b> <b>Project Name</b> <b>Wilmington Fast Lane</b> <b>Project Address</b> <b>Port of LA, Wilmington, CA</b>		<b>Date</b> <u>7-31-2020</u> <b>Client Project #</b> <b>12736.004</b>	<b>LAB USE ONLY</b> <b>Jones Project #</b> <u>ST-15825</u> <b>Page</b> <u>1</u> of <u>4</u>
<b>Report To</b> <b>Brynn McCulloch</b> <b>Sampler</b> <b>SAG / KCM</b>		<b>Turn Around Requested:</b> <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24 Hours <input type="checkbox"/> Rush 48 Hours <input type="checkbox"/> Rush 72 Hours <input checked="" type="checkbox"/> Normal	
<b>Email</b> <b>bmcclulloch@leightongroup.com</b> <b>Phone</b> <b>949-681-4287</b>		<b>Report Options</b> <b>EDD</b> <b>EDF* - 10% Surcharge</b> <b>*Global ID</b>	
<b>Sample Container / Preservative Abbreviations</b> AS - Acetate Sleeve SS - Stainless Steel Sleeve BS - Brass Sleeve G - Glass AB - Amber Bottle P - Plastic SOBI - Sodium Bisulfate MeOH - Methanol HCl - Hydrochloric Acid HNO3 - Nitric Acid O - Other (See Notes)		<b>Sample Condition as Received:</b> Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no	

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Analysis Requested	Number of Containers	Notes & Special Instructions
B9-0.5	7-31-2020	0740	ST-15825-01			Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	TPHg, d and o (8015)	1	
B9-2.5		0743	ST-15825-02				PCBs (8082)	1	
B9-5		0747	ST-15825-03				OCs (8081A)	1	
B9-6		0750	ST-15825-04				PAHs (8270C)	1	
B10-0.5		0852	ST-15825-05				VOCs (8260B/5035)	1	
B10-2.5		0854	ST-15825-06					1	
B10-5		0859	ST-15825-07					1	
B10-7		0903	ST-15825-08					1	
B11-0.5		0940	ST-15825-09					1	
B11-2.5		0942	ST-15825-10					1	

<b>Relinquished By (Signature)</b> <i>Kevin C. Mall</i> <b>Company</b> LCI	<b>Printed Name</b> K. Mall <b>Date</b> 7/31/20	<b>Received By (Signature)</b> <i>[Signature]</i> <b>Company</b> JEC	<b>Printed Name</b> David Nicks <b>Date</b> 7/31/20
<b>Relinquished By (Signature)</b> LCI	<b>Printed Name</b> <b>Date</b> 7/31/20	<b>Received By Laboratory (Signature)</b> <b>Date</b> 7/31/20	<b>Printed Name</b> <b>Date</b> 7/31/20
<b>Company</b> LCI	<b>Date</b> 7/31/20	<b>Company</b> JEC	<b>Date</b> 7/31/20

Client signature on this Chain of Custody form constitutes acknowledgment that the above analyses have been requested, and the information provided herein is correct and accurate.



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Santa Fe Springs, CA 90670  
(714) 449-9937  
Fax (714) 449-9685  
www.jonesenv.com

# Chain-of-Custody Record

LAB USE ONLY

Client  
**Leighton Consulting, Inc.**

Project Name  
**Wilmington Fast Lane**

Project Address  
**Port of LA, Wilmington, CA**

Email  
**bmcculloch@leightongroup.com**

Phone

**949-681-4287**

Report To

**Brynn McCulloch**

Sampler

**SAG**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

## Turn Around Requested:

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
Normal  
Report Options  
EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Date **7/31/2020**

Client Project #  
**12736.004**

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Jones Project #

**ST-15085**

Page

**2 of 4**

Sample Condition as Received:

Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	Title 22 Metals (6010B/7471A)	TPH, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCFs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B11-5	7-31-20	0945	ST-15085-11			S		X	X	X				1	
B11-8		0950	ST-15085-12											1	
B13-0.5		0930	ST-15085-13									X	X	1	
B13-2.5		0933	ST-15085-14											1	
B13-5		0937	ST-15085-15							X				1	
B13-7		0943	ST-15085-16											1	
B14-0.5		1010	ST-15085-17						X	X		X	X	1	
B14-2.5		1013	ST-15085-18											1	
B14-5		1017	ST-15085-19											1	
B14-7.5		1023	ST-15085-20						X					1	

Relinquished By (Signature) *[Signature]* Printed Name **K. Hall** Date **7/31/20** Time **1400**  
Company **LC**

Relinquished By (Signature) *[Signature]* Printed Name **David Miralra** Date **7/31/20** Time **1400**  
Company **STC**

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.



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Fax (714) 449-9885  
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# Chain-of-Custody Record

LAB USE ONLY

Jones Project #

ST-15825

Page 3 of 4

## Turn Around Requested:

☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☒ Rush 72 Hours  
Normal

## Report Options

EDD \_\_\_\_\_  
EDF\* - 10% Surcharge \_\_\_\_\_  
\*Global ID \_\_\_\_\_

Date 7/31/2028  
Client Project #  
12736.004

Project Name  
Wilmington Fast Lane  
Project Address  
Port of LA, Wilmington, CA

Sample Container / Preservative Abbreviations  
AS - Acetate Sieve  
SS - Stainless Steel Sieve  
BS - Brass Sieve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Sample Condition as Received:  
Chilled ☐ yes ☐ no  
Sealed ☐ yes ☐ no

## Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix:	Title 22 Metals (6010B/7471A)	TPHg, d and o (8015)	VOCs (8260B/5035)	PAHs (8270C)	OCs (8081A)	PCBs (8082)	Number of Containers	Notes & Special Instructions
B15-0.5	7-31-2028	1245	ST-15825-21			S	X	X	X		X	X	4	
B15-2.5		1247	ST-15825-22										4	
B15-5		1250	ST-15825-23						X				4	
B15-8		1254	ST-15825-24										4	
B16-0.5		1135	ST-15825-25							X	X		4	
B16-2.5		1139	ST-15825-26						X				4	
B16-5		1143	ST-15825-27						X				4	
B16-8		1145	ST-15825-28										4	
H46-0.5		1210	ST-15825-29								X	X	4	
H46-2.5		1213	ST-15825-30						X				4	

Relinquished By (Signature)	Printed Name	Date	Time
<i>Min C. Allen</i>	K. Allen	7/31/20	1400
Company	LCI		
Relinquished By (Signature)	Printed Name	Date	Time
<i>SA</i>	SA	7/31/20	1400
Company			
Received By (Signature)	Printed Name	Date	Time
<i>David M. Johnson</i>	David M. Johnson	7/31/20	1400
Company			
Received By Laboratory (Signature)	Printed Name	Date	Time
Company			

Client signature on this Chain of Custody form constitutes acknowledgment that the above analyses have been requested, and the information provided herein is correct and accurate.





25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

17 August 2020

David Mirakian  
Jones Environmental  
11007 Forest Place  
Santa Fe Springs, CA 90670  
RE: Leighton Consulting - Wilmington Fast Lane

Enclosed are the results of analyses for samples received by the laboratory on 08/13/20 12:22. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee  
Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Leighton Consulting - Wilmington Fast Lane  
Project Number: ST-15867  
Project Manager: David Mirakian

**Reported:**  
08/17/20 15:24

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA8-2.5	T203038-01	Soil	07/29/20 07:28	08/13/20 12:22

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jeff Lee, Project Manager

Page 1 of 5



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Leighton Consulting - Wilmington Fast Lane  
Project Number: ST-15867  
Project Manager: David Mirakian

**Reported:**  
08/17/20 15:24

### DETECTIONS SUMMARY

**Sample ID:** HA8-2.5

**Laboratory ID:** T203038-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Hexavalent Chromium	1.3	0.0010	mg/kg	EPA 7199	

SunStar Laboratories, Inc.

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Jeff Lee, Project Manager

Page 2 of 5



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental 11007 Forest Place Santa Fe Springs CA, 90670	Project: Leighton Consulting - Wilmington Fast Lane Project Number: ST-15867 Project Manager: David Mirakian	Reported: 08/17/20 15:24
---	--	-----------------------------

**HA8-2.5**  
**T203038-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

Hexavalent Chromium	1.3	0.0010	mg/kg	1	0081408	08/14/20	08/17/20	EPA 7199	
---------------------	-----	--------	-------	---	---------	----------	----------	----------	--

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental 11007 Forest Place Santa Fe Springs CA, 90670	Project: Leighton Consulting - Wilmington Fast Lane Project Number: ST-15867 Project Manager: David Mirakian	Reported: 08/17/20 15:24
---	--	-----------------------------

### Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control

#### SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 0081408 - General Preparation

<b>Blank (0081408-BLK1)</b>		Prepared: 08/14/20 Analyzed: 08/17/20								
Hexavalent Chromium	ND	0.0010	mg/kg							
<b>LCS (0081408-BS1)</b>		Prepared: 08/14/20 Analyzed: 08/17/20								
Hexavalent Chromium	9.00	0.0010	mg/kg	10.0		90.0	80-120			
<b>Matrix Spike (0081408-MS1)</b>		<b>Source: T203038-01</b>		Prepared: 08/14/20 Analyzed: 08/17/20						
Hexavalent Chromium	10.8	0.0010	mg/kg	10.3	1.33	91.7	75-125			
<b>Matrix Spike Dup (0081408-MSD1)</b>		<b>Source: T203038-01</b>		Prepared: 08/14/20 Analyzed: 08/17/20						
Hexavalent Chromium	11.0	0.0010	mg/kg	10.2	1.33	94.9	75-125	2.29	20	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Jones Environmental  
11007 Forest Place  
Santa Fe Springs CA, 90670

Project: Leighton Consulting - Wilmington Fast Lane  
Project Number: ST-15867  
Project Manager: David Mirakian

**Reported:**  
08/17/20 15:24

### Notes and Definitions

DET      Analyte DETECTED  
ND      Analyte NOT DETECTED at or above the reporting limit  
NR      Not Reported  
dry      Sample results reported on a dry weight basis  
RPD      Relative Percent Difference

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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Santa Fe Springs, CA 90670  
(714) 449-9937  
Fax (714) 449-9685  
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# Chain-of-Custody Record

T203038

LAB USE ONLY

Turn Around Requested: Report Options

- ☐ Immediate Attention  
☐ Rush 24 Hours  
☐ Rush 48 Hours  
☐ Rush 72 Hours  
☒ Normal

Jones Project #

ST-15867

Page

1 of 1

Sample Condition as Received:

- Chilled ☒ yes ☐ no  
Sealed ☐ yes ☐ no

5.0°C

Client  
**Leighton Consulting**  
Project Name  
**Wilmington Fast Lane**  
Project Address  
**Port of LA, Wilmington, CA**

Date  
**8/12/2020**  
Client Project #

Sample Container / Preservative  
Abbreviations

- AS - Acetate Sleeve  
SS - Stainless Steel Sleeve  
BS - Brass Sleeve  
G - Glass  
AB - Amber Bottle  
P - Plastic  
SOBI - Sodium Bisulfate  
MeOH - Methanol  
HCl - Hydrochloric Acid  
HNO3 - Nitric Acid  
O - Other (See Notes)

Email

reports@jonesenv.com

Phone

(562) 646-1611

Report To

Sampler

**David Mirakian**

Analysis Requested

Sample Matrix:  
Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)  
Hexavalent Chromium - EPA 7198

Sample Container  
P

Preservative

Laboratory Sample ID  
ST-15867-20

Sample Collection Time  
7:28

Date  
7/29/2020

Sample ID  
HA8-2.5

Notes & Special Instructions

Number of Containers

Total Number of Containers

Received By (Signature)

Company

Printed Name

Date

Time

8/13/20

11:39

David Berner

SunStar

Received By Laboratory (Signature)

Company

Printed Name

Date

Time

8-13-20

1222

Don Montesi

SunStar Labs

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

50

## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T203038

Client Name: Jones Environmental, Inc. Project: Leighton Consulting -  
Wilmington Fast Lane

Delivered by: ☐ Client ☒ **SunStar Courier** ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: Dave Date/Time Courier Received: 8-13-20 11:39

Lab Received by: Dan Date/Time Lab Received: 8-13-20 12:22

Total number of coolers received: 0 Thermometer ID: SC-2 Calibration Due: 8/21/20

Temperature: Cooler #1	6.2	°C +/- the CF (- 1.2°C) =	5.0	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 1.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 1.2°C) =		°C corrected temperature
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>		Within criteria?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>If NO:</b>				
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → <b>Complete Non-Conformance Sheet</b>		
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → <b>Complete Non-Conformance Sheet</b>		

Custody seals intact on cooler/sample ☐ Yes ☐ No\* ☒ N/A

Sample containers intact ☒ Yes ☐ No\*

Sample labels match Chain of Custody IDs ☒ Yes ☐ No\*

Total number of containers received match COC ☒ Yes ☐ No\*

Proper containers received for analyses requested on COC ☒ Yes ☐ No\*

Proper preservative indicated on COC/containers for analyses requested ☐ Yes ☐ No\* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times ☒ Yes ☐ No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DM 8-13-20

**Comments:**

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## WORK ORDER

**T203038****Client: Jones Environmental****Project Manager: Jeff Lee****Project: Leighton Consulting - Wilmington Fast Lane****Project Number: ST-15867****Report To:**

Jones Environmental  
David Mirakian  
11007 Forest Place  
Santa Fe Springs, CA 90670

Date Due: 08/20/20 17:00 (5 day TAT)

Received By: Dan Marteski

Date Received: 08/13/20 12:22

Logged In By: Dan Marteski

Date Logged In: 08/13/20 12:49

Samples Received at: 5°C

Custody Seals No Received On Ice Yes

Containers Intact Yes

COC/Labels Agree Yes

Preservation Confir No

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

<b>T203038-01 HA8-2.5 [Soil] Sampled 07/29/20 07:28 (GMT-08:00) Pacific Time (US &amp;</b>				
--	--	--	--	--

Cr6-7199	08/20/20 15:00	5	08/28/20 07:28	
----------	----------------	---	----------------	--

## EXHIBIT F-2 – TENANT BASELINE REPORT



**GeoKinetics**  
Geotechnical & Environmental  
Engineers

Prepared by

**GeoKinetics**

77 Bunsen  
Irvine, CA 92618  
Tel 949.502.5353, Fax 949.502.5354

April 12, 2021

# Soil Vapor Survey Results For Fast Lane Transportation Wilmington, California

Prepared for

Peterson Law Group

**EXHIBIT F-2**

April 12, 2021

Mr. John Peterson, Esq.  
Peterson Law Group  
19800 MacArthur Boulevard, Suite 290  
Irvine, California 92612

**SUBJECT: SOIL VAPOR SURVEY RESULTS FOR FASTLANE PARCELS TO BE  
LEASED FROM CITY OF LOS ANGELES WILMINGTON, CALIFORNIA**

Dear Mr. Peterson:

As requested, GeoKinetics has completed a screening level soil gas survey at the above referenced site in accordance with our proposal dated March 22, 2021. A total of eight (8) shallow gas probes were installed and sampled in conjunction with this survey. The gas probe locations are shown in Figure 1. The first three gas probes (P-1 to P-3) were installed within 4-inch diameter hand-auger borings while the last five (P-4 to P-9) were installed using direct-push drilling equipment. The change to the direct-push drilling equipment was made due to the presence of significant thicknesses of asphalt at the probe locations which made the hand-auger excavations slow and difficult. Approximately 2" to 3" of base material was present at the ground surface at each location with 8" to 16" of asphalt below that material. An additional 12" to 24" of base was encountered below the asphalt. Fill soils consisting of a light gray silty sand (SP/SM) were encountered below that depth.

Each gas probe incorporated a porous polypropylene sampling tip installed at a depth of five feet below the ground surface within a 12-inch interval of Monterey #3 sand. A 12-inch thick bentonite seal was placed above each of the sampling tip sand intervals. The borings were backfilled with compacted soil cuttings above the bentonite seal. A  $\approx$  5-inch diameter flush-mounted, water-tight, traffic-rated vault was installed at the ground surface to house and protect each installation. A length of 1/4-inch diameter high density polyethylene tubing extends from each sampling tips to a gas-tight quick-connect fitting within each vault. A schematic illustrating the gas probe configuration is provided as Figure 2.

The gas probes were installed on March 25<sup>th</sup> and 26<sup>th</sup>, 2021 and sampled on March 29<sup>th</sup>, 2021. One liter of gas was purged from each gas probe using a Landtec GEM-2000 infrared gas analyzer prior to the collection of samples for laboratory analysis. The concentrations of oxygen, carbon dioxide, and methane gas were measured and recorded using that analyzer. These values are summarized in Table 1. The P-6 installation was found to be flooded and it was not possible to purge or collect a sample from that location. As indicted in Table 1, oxygen levels were depressed well below the atmospheric levels ( $\approx 21\%$ ) at each of the installations, while anaerobic conditions generally appear to be present at the locations of probes P-3 through P-9. Low concentrations of methane were found at four of those installations, along with elevated carbon dioxide levels at all but one of the installations. The highest concentration at which methane was detected was 0.7% or 7,000 ppm. The Lower Explosive Limit (LEL) for methane is approximately 55,000 ppm. The fixed gas monitoring results indicate biodegradation of organic compounds and/or contaminants entrained within the fill soils has occurred resulting in the depleted oxygen levels, elevated carbon dioxide levels, and localized presence of methane gas.

After purging, a soil gas sample was collected from each installation into a one-liter Summa canister over a 10-minute period. Shaving cream containing isobutane was placed around the gas probe / Summa canister connection fittings, and on the ground surface within and around the gas probe vault, as a leak-check compound during the purging and sampling process. The Summa canisters containing the gas probe samples were transported to a state-certified analytical laboratory (Enthalpy Analytical) and relinquished under chain-of-custody protocol. The laboratory was instructed to analyze each sample for Volatile Organic Compounds, including isobutane, in accordance with EPA TO-15 protocol.

A total of thirteen (13) VOCs were detected in one or more of the samples. The concentrations of the detected VOCs are indicated in Table 2, while the associated laboratory analytical report is provided as Attachment A. The typical regulatory (DTSC and/or RWQCB) soil gas Environmental Screening Level (ESL) for a commercial / industrial setting for each compound is listed in Table 1 for reference purposes. Measured concentrations that exceed the ESL for a particular compound are shown in bold.

As indicated, the compound that was detected at the highest concentrations was vinyl chloride. Vinyl chloride is a gas at temperatures above approximately 8° Fahrenheit. It is most commonly present as a result of the anaerobic degradation of tetrachloroethylene (PCE), trichloroethylene (TCE), and/or cis/trans-1,2-dichloroethylene (1,2-DCE). Each of these compounds was also detected at the site. These chlorinated compounds are relatively toxic, carcinogenic, and relatively persistent in the environment. However, they are not likely to present significant exposure risks in an open-air setting such as presently exists at the site.

Four non-chlorinated hydrocarbons (benzene, toluene, ethylbenzene, and xylene) were also detected in the soil gas samples at concentrations below their respective ESLs. These compounds are often associated with releases of gasoline or similar fuel hydrocarbons.

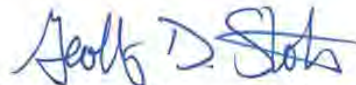
The leak detection compound (isobutane) was also found to be present in six (6) of the eight (8) samples at very low concentrations. The highest measured concentration of isobutane was 120  $\mu\text{g}/\text{m}^3$ . Isobutane was present in the shaving cream at a concentration in excess of  $1 \times 10^{10} \mu\text{g}/\text{m}^3$ . As such, the concentrations at which it was detected in the soil gas samples indicate no significant air intrusion into the soil gas samples.

We hope this information is helpful and consistent with your needs. Please do not hesitate to contact the undersigned if you have any questions or comments.

Sincerely,  
GEOKINETICS, INC.



Glenn D. Tofani, GE/RCE  
Principal Engineer



Geoffrey D. Stokes, CEG/RG  
Senior Geologist

Attachments



Page 3

**Table 1 - Fixed Gas Monitoring Results**

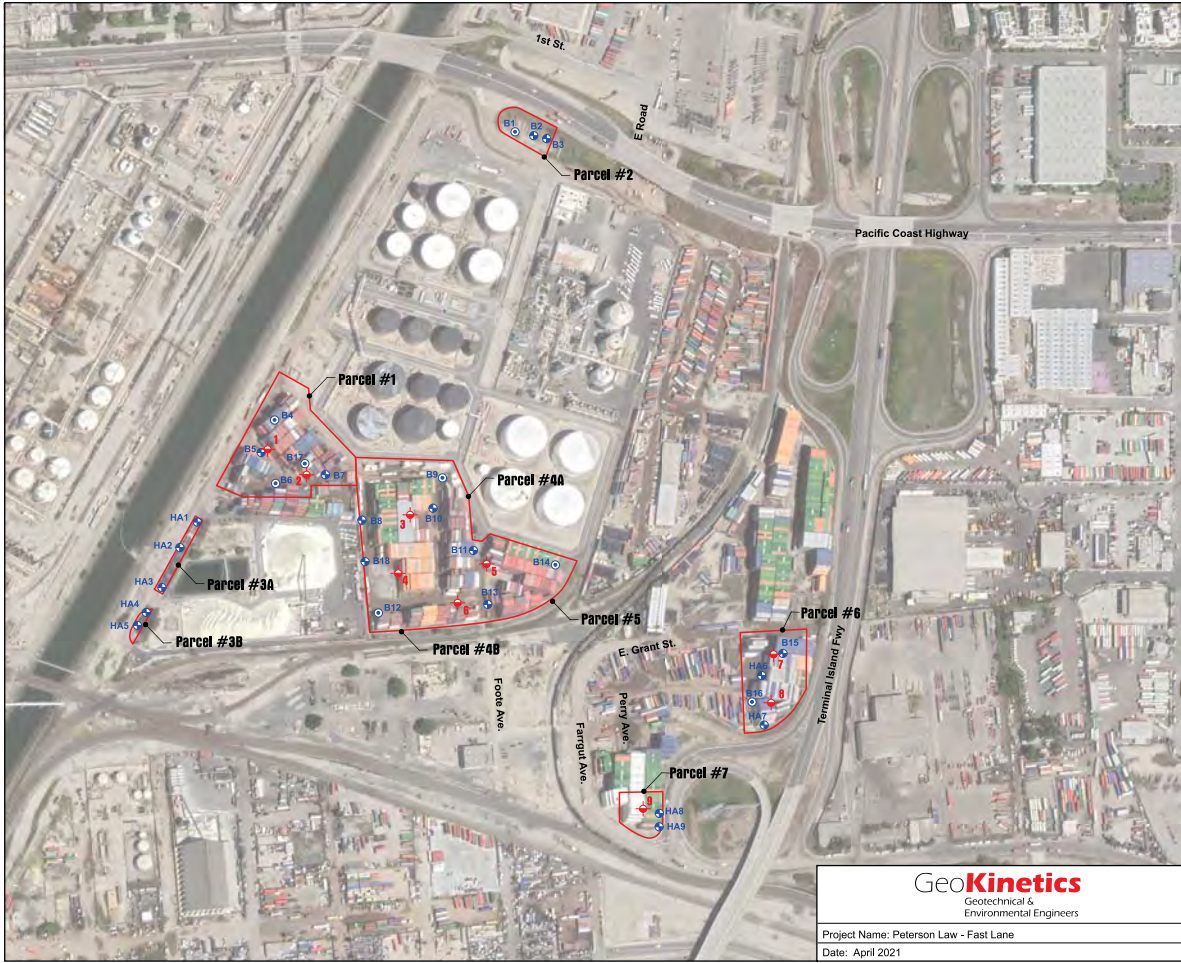
Sample Location and Depth	Soil Gas Concentration (%)		
	Methane	Carbon Dioxide	Oxygen
P-1 @ 5'	0.0	10.3	7.3
P-2 @ 5'	0.0	8.0	4.4
P-3 @ 5'	0.6	7.8	0.0
P-4 @ 5'	0.7	0.0	0.0
P-5 @ 5'	0.0	6.8	1.8
P-6 @ 5'	Gas Probe Submerged. Unable to Purge or Collect Sample.		
P-7 @ 5'	0.0	13.8	0.2
P-8 @ 5'	0.3	6.2	0.1
P-9 @ 5'	0.3	1.1	0.0

Table 2 - Fastlane Soil Gas Testing Results

Sample Location and Depth	Constituent and Concentration (µg/m <sup>3</sup> )												
	1,1-Dichloroethane	1,1-Dichloroethene	Benzene	cis-1,2 Dichloroethene	Isobutane	Ethylbenzene	Trans-1,2 Dichloroethene	Tetrachloroethylene (PCE)	Toluene	Trichloroethylene (TCE)	Vinyl Chloride	Xylene (o)	Xylene (m/p)
P-1 @ 5'	<0.02	<0.05	0.68	<0.02	ND	2.4	<0.02	0.16 J	5.7	<0.02	<0.02	5.2	16
P-2 @ 5'	<0.02	<0.05	1.9	<0.02	ND	1.6	<0.02	0.23 J	6.0	<0.02	<0.02	3.4	8.5
P-3 @ 5'	1.2 J	4.2 J	9.7	59	44 J	0.94 J	13	13	7.4	5.2 J	<b>1,100</b>	1.1 J	3.5 J
P-4 @ 5'	1.4 J	<0.99	2.9 J	<0.36	120 J	0.64 J	<0.44	1.5 J	2.6 J	<0.48	<0.37	1.1 J	3.7 J
P-5 @ 5'	<0.02	<0.05	1.0	<0.02	1.6 J	0.33	<0.02	0.85	0.71	<0.02	<0.02	0.59	2.0
P-6 @ 5'	Gas Probe Submerged. Unable to Purge or Collect Sample.												
P-7 @ 5'	16	370	3.4 J	7.2	20 J	<0.49	4.8 J	23	1.4 J	100	<b>270</b>	0.87 J	1.7 J
P-8 @ 5'	3.2 J	32	5.1 J	5.9 J	64 J	6.2	1.1 J	1.5 J	4.3 J	0.49 J	<b>34</b>	8.4	26
P-9 @ 5'	0.81 J	<0.99	4.4 J	5.9 J	74 J	2.9 J	0.77 J	12	2.2 J	1.4 J	<b>7.3</b>	4.3 J	13
Typical Regulatory Soil Gas Screening Level For Industrial Sites	262	10,000	14	1,200	-	160	12,000	67	44,000	100	5.2	15,000	15,000

J = Estimated Value

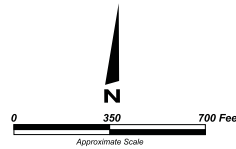
Note: Values in **Red Bold** exceed typical regulatory screening level



**Legend**

- 1 Approximate Location of Gas Probe by GeoKinetics, Probe at 5' Depth
- B5 Approximate Location of Soil Boring by Others
- B4 Approximate Location of Soil and Groundwater Boring by Others
- Approximate Parcel Boundary

**Parcel #1**



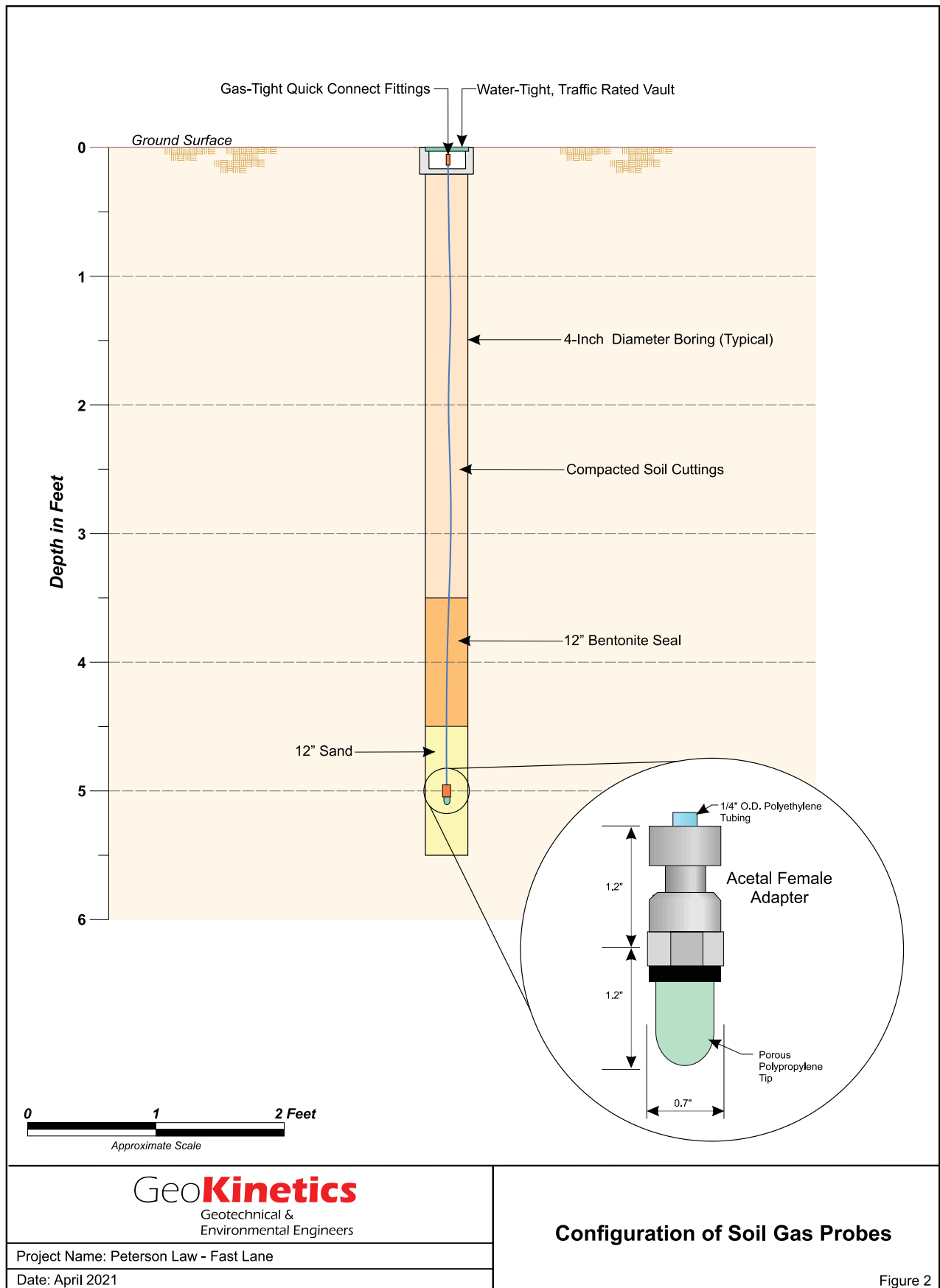
Aerial Photograph Taken on April 14, 2020

**GeoKinetics**  
Geotechnical & Environmental Engineers

Project Name: Peterson Law - Fast Lane
Date: April 2021

**Site Plan for Fast Lane Parcels**  
**Wilmington, California**

Figure 1



# ***Attachment A***

## ***Laboratory Analytical Report***



Enthalpy Analytical  
931 West Barkley Ave  
Orange, CA 92868  
(714) 771-6900

enthalpy.com

Lab Job Number: 443183  
Report Level: II  
Report Date: 04/02/2021

**Analytical Report** *prepared for:*

Glenn Tofani  
GeoKinetics  
1147 Atlantic St, Unit B  
Union City, CA 94587

Location: Fast Lane

*Authorized for release by:*

John Goyette, Service Center Manager  
(510) 204-2233 Ext 13112  
[john.goyette@enthalpy.com](mailto:john.goyette@enthalpy.com)

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member



## Sample Summary

Glenn Tofani  
GeoKinetics  
1147 Atlantic St, Unit B  
Union City, CA 94587

Lab Job #: 443183  
Location: Fast Lane  
Date Received: 03/29/21

Sample ID	Lab ID	Collected	Matrix
1@5'	443183-001	03/29/21 09:25	Air
2@5'	443183-002	03/29/21 09:44	Air
4@5'	443183-003	03/29/21 10:57	Air
3@5'	443183-004	03/29/21 11:15	Air
5@5'	443183-005	03/29/21 11:43	Air
9@5'	443183-006	03/29/21 13:49	Air
8@5'	443183-007	03/29/21 14:09	Air
7@5'	443183-008	03/29/21 14:26	Air

## Case Narrative

---

GeoKinetics  
1147 Atlantic St, Unit B  
Union City, CA 94587  
Glenn Tofani

Lab Job Number: 443183  
Location: Fast Lane  
Date Received: 03/29/21

---

This data package contains sample and QC results for eight air samples, requested for the above referenced project on 03/29/21. The samples were received intact.

**Volatile Organics in Air by MS (EPA TO-15):**

A number of analytes were detected between the MDL and the RL in the method blank for batch 264402. No other analytical problems were encountered.



Air Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
Lab No:	443183	Standard:	5 Day: 3 Day:
Page:	1 of 1	2 Day:	1 Day: Custom TAT: 7 day TAT
CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geokinetics	Name:	Fest bone
Report To:	Glenn Tofani	Number:	
Email:	glenn@geokinetics.org	P.O. #:	
Address:	77 Bunsen, Irvine CA	Address:	
Phone:	949 5025353	Global ID:	
Fax:	949 5025354	Sampled By:	Diego Scapillato

Special Instructions:

#N/A  
#N/A

Sample ID	Type (I) Indoor (A) Ambient (SV) Soil Vapor (S) Source	Equipment Information		Sampling Information				Analysis Requested	
		Canister ID	Size (1L, 3L, 6L, 15L)	Flow Controller ID	Sample Start Date	Sample Start Time	Vacuum Start (inHg)	Sample End Time	Vacuum End (inHg)
1	1 @ S'	C10466	1L	A10154	3/29/2021	9:17am	-28	9:25am	-1
2	2 @ S'	C10470	1L	A10156	3/29/2021	9:36am	-29	9:44am	-1
3	4 @ S'	C10479	1L	A10154	3/29/2021	10:50am	-27	10:57am	-1
4	3 @ S'	C10474	1L	A10151	3/29/2021	11:07am	-26	11:15am	-1
5	5 @ S'	C10473	1L	A10139	3/29/2021	11:35am	-30	11:43am	-1
6	9 @ S'	C10478	1L	A10043	3/29/2021	13:42	-28	13:49	-1
7	8 @ S'	C10469	1L	A10025	3/29/2021	14:01	-29	14:09	-1
8	7 @ S'	C10477	1L	A10078	3/29/2021	14:18	-28	14:26	-1
9									
10									

Signature		Print Name	Company / Title	Date / Time
		Diego Scapillato	Geokinetics	03/29/2021 15:12
1 Relinquished By:				
1 Received By:		3/29/21 1512		
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				



# SAMPLE ACCEPTANCE CHECKLIST

**Section 1**

Client: Geokinetics Project: Fast Lane

Date Received: 3/29/21 Sampler's Name Present: ☒ Yes ☐ No

**Section 2**

Sample(s) received in a cooler? ☐ Yes, How many?        ☒ No (skip section 2) Sample Temp (°C) ambient  
(No Cooler)       

Sample Temp (°C), One from each cooler: #1:        #2:        #3:        #4:       

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information:       

**Section 3**

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam  
☐ Paper ☐ None ☐ Other       

Cooler Temp (°C): #1:        #2:        #3:        #4:       

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

**Section 5** Explanations/Comments

**Section 6**

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials:        Date/Time         
☐ Email (email sent to/on):        /       

Project Manager's response:

Completed By:  Date: 3/29/21

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.  
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209  
www.enthalpy.com/social  
Sample Acceptance Checklist - Rev 4, 8/8/2017

List, Log In or Search  
List, Log In or Search  
List, Log In or Search  
by Request/Project/Acct #

Canisters  
Equipment  
Equipment Requests

List, Review, Create, or Search

Canister Cleaning Batches  
[Return to summary page](#)  
[Equipment Definitions](#)

Request # 2065: Created by JG @ 03/25/21 14:48

Refresh

Ready for Client/PM ☒ Email JG

Request Again

Cancel Request

**Cans & Flows  
(Soil Vapor)**

1.4L Canister 9 0 / 9 added

Chameleon SV Sampler 9 0 / 9 added

**Equipment (Soil  
Vapor)**

Nut & Ferrule 9 ☒ Included?

Air COC (SV) 1 ☒ Included?

Show All Equipment

Location: 931 Main Lab ▾

Account: GEOKINETICS-NOF

Project: OPTIONAL

Certification  
Type: TO15 SCAN ▾

Connection  
Type: Quick-connect ▾

Due To  
Client By: 03/25/21 17:00

Expected  
Return 03/31/21 23:59  
Date:

Delivery  
Method: 1. Will Call ▾

Contact  
Name: Marisela Lopez

Contact

Email:

Contact

Phone #:

Ship By: MM/DD/YY HH24:MI

Address

Line 1:

Address

Line 2:

City:

State:

Zipcode:

County: U.S.A.

Special  
Instructions: Dan Chavez will deliver to client Friday morning.

Note by  
procure:

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 1@5'

**Batch#:** 264402

**Prep:** METHOD

**Lab ID:** 443183-001

**Sampled:** 03/29/21 09:25

**Analysis:** EPA TO-15

**Matrix:** Air

**Received:** 03/29/21

**DiIn Fac:** 1.500

**Analyzed:** 04/01/21 16:36

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
1,1,1-Trichloroethane	ND	0.30	0.027	ppbv	ND	1.6	0.14	ug/m3	GVO	
1,1,2,2-Tetrachloroethane	ND	0.30	0.0096	ppbv	ND	2.1	0.066	ug/m3	GVO	
1,1,2-Trichloroethane	ND	0.30	0.0095	ppbv	ND	1.6	0.052	ug/m3	GVO	
1,1-Dichloroethane	ND	0.30	0.022	ppbv	ND	1.2	0.089	ug/m3	GVO	
1,1-Dichloroethene	ND	0.30	0.050	ppbv	ND	1.2	0.20	ug/m3	GVO	
<b>1,2,4-Trichlorobenzene</b>	<b>0.066 J</b>	0.30	0.051	ppbv	<b>0.49 J</b>	2.2	0.38	ug/m3	GVO	B
<b>1,2,4-Trimethylbenzene</b>	<b>2.4</b>	0.30	0.014	ppbv	<b>12</b>	1.5	0.071	ug/m3	GVO	
1,2-Dibromoethane	ND	0.30	0.022	ppbv	ND	2.3	0.17	ug/m3	GVO	
<b>1,2-Dichlorobenzene</b>	<b>0.025 J</b>	0.30	0.012	ppbv	<b>0.15 J</b>	1.8	0.070	ug/m3	GVO	B
1,2-Dichloroethane	ND	0.30	0.028	ppbv	ND	1.2	0.11	ug/m3	GVO	
1,2-Dichloropropane	ND	0.30	0.023	ppbv	ND	1.4	0.11	ug/m3	GVO	
<b>1,3,5-Trimethylbenzene</b>	<b>0.82</b>	0.30	0.013	ppbv	<b>4.0</b>	1.5	0.066	ug/m3	GVO	
1,3-Butadiene	ND	0.30	0.020	ppbv	ND	0.66	0.044	ug/m3	GVO	
1,3-Dichlorobenzene	ND	0.30	0.020	ppbv	ND	1.8	0.12	ug/m3	GVO	
<b>1,4-Dichlorobenzene</b>	<b>0.70</b>	0.30	0.017	ppbv	<b>4.2</b>	1.8	0.10	ug/m3	GVO	
1,4-Dioxane	ND	0.30	0.025	ppbv	ND	1.1	0.090	ug/m3	GVO	
<b>2-Butanone</b>	<b>0.16 J</b>	1.5	0.084	ppbv	<b>0.48 J</b>	4.4	0.25	ug/m3	GVO	
2-Hexanone	ND	0.30	0.018	ppbv	ND	1.2	0.075	ug/m3	GVO	
<b>4-Ethyltoluene</b>	<b>1.0</b>	0.30	0.0088	ppbv	<b>5.1</b>	1.5	0.043	ug/m3	GVO	
4-Methyl-2-Pentanone	ND	0.30	0.030	ppbv	ND	1.2	0.12	ug/m3	GVO	
<b>Acetone</b>	<b>2.3</b>	1.5	0.075	ppbv	<b>5.5</b>	3.6	0.18	ug/m3	GVO	B
<b>Freon 113</b>	<b>16</b>	0.30	0.020	ppbv	<b>120</b>	2.3	0.16	ug/m3	GVO	
<b>Benzene</b>	<b>0.68</b>	0.30	0.014	ppbv	<b>2.2</b>	0.96	0.045	ug/m3	GVO	
<b>Benzyl chloride</b>	<b>0.025 J</b>	0.30	0.012	ppbv	<b>0.13 J</b>	1.6	0.064	ug/m3	GVO	B
Bromodichloromethane	ND	0.30	0.014	ppbv	ND	2.0	0.095	ug/m3	GVO	
Bromoform	ND	0.30	0.024	ppbv	ND	3.1	0.25	ug/m3	GVO	
Bromomethane	ND	0.30	0.036	ppbv	ND	1.2	0.14	ug/m3	GVO	
Carbon Disulfide	ND	0.30	0.017	ppbv	ND	0.93	0.053	ug/m3	GVO	
Carbon Tetrachloride	ND	0.30	0.017	ppbv	ND	1.9	0.11	ug/m3	GVO	
Chlorobenzene	ND	0.30	0.019	ppbv	ND	1.4	0.089	ug/m3	GVO	
Chloroethane	ND	0.30	0.063	ppbv	ND	0.79	0.17	ug/m3	GVO	
<b>Chloroform</b>	<b>0.046 J</b>	0.30	0.015	ppbv	<b>0.23 J</b>	1.5	0.075	ug/m3	GVO	B
Chloromethane	ND	0.30	0.056	ppbv	ND	0.62	0.12	ug/m3	GVO	
cis-1,2-Dichloroethene	ND	0.30	0.018	ppbv	ND	1.2	0.071	ug/m3	GVO	
cis-1,3-Dichloropropene	ND	0.30	0.035	ppbv	ND	1.4	0.16	ug/m3	GVO	
Cyclohexane	ND	0.30	0.036	ppbv	ND	1.0	0.12	ug/m3	GVO	
Dibromochloromethane	ND	0.30	0.014	ppbv	ND	2.6	0.12	ug/m3	GVO	
Ethyl Acetate	ND	0.60	0.056	ppbv	ND	2.2	0.20	ug/m3	GVO	
<b>Ethylbenzene</b>	<b>2.4</b>	0.30	0.025	ppbv	<b>11</b>	1.3	0.11	ug/m3	GVO	
Freon 114	ND	0.30	0.031	ppbv	ND	2.1	0.22	ug/m3	GVO	
<b>Freon 12</b>	<b>0.20 J</b>	0.30	0.017	ppbv	<b>0.99 J</b>	1.5	0.085	ug/m3	GVO	B

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
Hexachlorobutadiene	0.067 J	0.30	0.028	ppbv	0.72 J	3.2	0.30	ug/m3	GVO	B
Isopropanol (IPA)	ND	1.5	0.047	ppbv	ND	3.7	0.11	ug/m3	GVO	
m,p-Xylenes	16	0.60	0.033	ppbv	71	2.6	0.14	ug/m3	GVO	
Methylene Chloride	0.59 J	0.75	0.027	ppbv	2.1 J	2.6	0.095	ug/m3	GVO	B
MTBE	0.52	0.30	0.014	ppbv	1.9	1.1	0.051	ug/m3	GVO	
n-Heptane	0.33	0.30	0.020	ppbv	1.4	1.2	0.083	ug/m3	GVO	
n-Hexane	0.11 J	0.30	0.019	ppbv	0.38 J	1.1	0.067	ug/m3	GVO	B
o-Xylene	5.2	0.30	0.017	ppbv	23	1.3	0.076	ug/m3	GVO	
Propylene	ND	0.30	0.024	ppbv	ND	0.52	0.042	ug/m3	GVO	
Styrene	0.072 J	0.30	0.027	ppbv	0.31 J	1.3	0.12	ug/m3	GVO	
Tetrachloroethene	0.16 J	0.30	0.018	ppbv	1.1 J	2.0	0.12	ug/m3	GVO	B
Toluene	5.7	0.30	0.016	ppbv	22	1.1	0.061	ug/m3	GVO	
trans-1,2-Dichloroethene	ND	0.30	0.022	ppbv	ND	1.2	0.087	ug/m3	GVO	
trans-1,3-Dichloropropene	ND	0.30	0.056	ppbv	ND	1.4	0.25	ug/m3	GVO	
Trichloroethene	ND	0.30	0.024	ppbv	ND	1.6	0.13	ug/m3	GVO	
Trichlorofluoromethane	0.14 J	0.30	0.023	ppbv	0.78 J	1.7	0.13	ug/m3	GVO	B
Vinyl Acetate	ND	1.5	0.014	ppbv	ND	5.3	0.051	ug/m3	GVO	
Vinyl Chloride	ND	0.30	0.019	ppbv	ND	0.77	0.048	ug/m3	GVO	

Tentatively Identified Compounds	Result (V)	Result (M)	Units (M)
Isobutane	ND		

Surrogate	%REC	Limits	Units (M)	Analyst
Bromofluorobenzene	103	60-140	ug/m3	GVO

Legend

**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 2@5'

**Batch#:** 264402

**Prep:** METHOD

**Lab ID:** 443183-002

**Sampled:** 03/29/21 09:44

**Analysis:** EPA TO-15

**Matrix:** Air

**Received:** 03/29/21

**DiIn Fac:** 1.500

**Analyzed:** 04/01/21 18:12

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
1,1,1-Trichloroethane	ND	0.30	0.027	ppbv	ND	1.6	0.14	ug/m3	GVO	
1,1,2,2-Tetrachloroethane	ND	0.30	0.0096	ppbv	ND	2.1	0.066	ug/m3	GVO	
1,1,2-Trichloroethane	ND	0.30	0.0095	ppbv	ND	1.6	0.052	ug/m3	GVO	
1,1-Dichloroethane	ND	0.30	0.022	ppbv	ND	1.2	0.089	ug/m3	GVO	
1,1-Dichloroethene	ND	0.30	0.050	ppbv	ND	1.2	0.20	ug/m3	GVO	
1,2,4-Trichlorobenzene	ND	0.30	0.051	ppbv	ND	2.2	0.38	ug/m3	GVO	
<b>1,2,4-Trimethylbenzene</b>	<b>6.1</b>	0.30	0.014	ppbv	<b>30</b>	1.5	0.071	ug/m3	GVO	
1,2-Dibromoethane	ND	0.30	0.022	ppbv	ND	2.3	0.17	ug/m3	GVO	
1,2-Dichlorobenzene	ND	0.30	0.012	ppbv	ND	1.8	0.070	ug/m3	GVO	
1,2-Dichloroethane	ND	0.30	0.028	ppbv	ND	1.2	0.11	ug/m3	GVO	
1,2-Dichloropropane	ND	0.30	0.023	ppbv	ND	1.4	0.11	ug/m3	GVO	
<b>1,3,5-Trimethylbenzene</b>	<b>1.5</b>	0.30	0.013	ppbv	<b>7.1</b>	1.5	0.066	ug/m3	GVO	
1,3-Butadiene	ND	0.30	0.020	ppbv	ND	0.66	0.044	ug/m3	GVO	
1,3-Dichlorobenzene	ND	0.30	0.020	ppbv	ND	1.8	0.12	ug/m3	GVO	
<b>1,4-Dichlorobenzene</b>	<b>0.75</b>	0.30	0.017	ppbv	<b>4.5</b>	1.8	0.10	ug/m3	GVO	
1,4-Dioxane	ND	0.30	0.025	ppbv	ND	1.1	0.090	ug/m3	GVO	
2-Butanone	ND	1.5	0.084	ppbv	ND	4.4	0.25	ug/m3	GVO	
2-Hexanone	ND	0.30	0.018	ppbv	ND	1.2	0.075	ug/m3	GVO	
<b>4-Ethyltoluene</b>	<b>1.1</b>	0.30	0.0088	ppbv	<b>5.4</b>	1.5	0.043	ug/m3	GVO	
4-Methyl-2-Pentanone	ND	0.30	0.030	ppbv	ND	1.2	0.12	ug/m3	GVO	
Acetone	ND	1.5	0.075	ppbv	ND	3.6	0.18	ug/m3	GVO	
<b>Freon 113</b>	<b>0.054 J</b>	0.30	0.020	ppbv	<b>0.41 J</b>	2.3	0.16	ug/m3	GVO	
<b>Benzene</b>	<b>1.9</b>	0.30	0.014	ppbv	<b>6.0</b>	0.96	0.045	ug/m3	GVO	
Benzyl chloride	ND	0.30	0.012	ppbv	ND	1.6	0.064	ug/m3	GVO	
Bromodichloromethane	ND	0.30	0.014	ppbv	ND	2.0	0.095	ug/m3	GVO	
Bromoform	ND	0.30	0.024	ppbv	ND	3.1	0.25	ug/m3	GVO	
Bromomethane	ND	0.30	0.036	ppbv	ND	1.2	0.14	ug/m3	GVO	
<b>Carbon Disulfide</b>	<b>2.7</b>	0.30	0.017	ppbv	<b>8.4</b>	0.93	0.053	ug/m3	GVO	
Carbon Tetrachloride	ND	0.30	0.017	ppbv	ND	1.9	0.11	ug/m3	GVO	
Chlorobenzene	ND	0.30	0.019	ppbv	ND	1.4	0.089	ug/m3	GVO	
Chloroethane	ND	0.30	0.063	ppbv	ND	0.79	0.17	ug/m3	GVO	
Chloroform	ND	0.30	0.015	ppbv	ND	1.5	0.075	ug/m3	GVO	
Chloromethane	ND	0.30	0.056	ppbv	ND	0.62	0.12	ug/m3	GVO	
cis-1,2-Dichloroethene	ND	0.30	0.018	ppbv	ND	1.2	0.071	ug/m3	GVO	
cis-1,3-Dichloropropene	ND	0.30	0.035	ppbv	ND	1.4	0.16	ug/m3	GVO	
Cyclohexane	ND	0.30	0.036	ppbv	ND	1.0	0.12	ug/m3	GVO	
Dibromochloromethane	ND	0.30	0.014	ppbv	ND	2.6	0.12	ug/m3	GVO	
Ethyl Acetate	ND	0.60	0.056	ppbv	ND	2.2	0.20	ug/m3	GVO	
<b>Ethylbenzene</b>	<b>1.6</b>	0.30	0.025	ppbv	<b>6.9</b>	1.3	0.11	ug/m3	GVO	
Freon 114	ND	0.30	0.031	ppbv	ND	2.1	0.22	ug/m3	GVO	
<b>Freon 12</b>	<b>0.24 J</b>	0.30	0.017	ppbv	<b>1.2 J</b>	1.5	0.085	ug/m3	GVO	B

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
Hexachlorobutadiene	ND	0.30	0.028	ppbv	ND	3.2	0.30	ug/m3	GVO	
Isopropanol (IPA)	ND	1.5	0.047	ppbv	ND	3.7	0.11	ug/m3	GVO	
<b>m,p-Xylenes</b>	<b>8.5</b>	0.60	0.033	ppbv	<b>37</b>	2.6	0.14	ug/m3	GVO	
<b>Methylene Chloride</b>	<b>0.091 J</b>	0.75	0.027	ppbv	<b>0.32 J</b>	2.6	0.095	ug/m3	GVO	B
MTBE	ND	0.30	0.014	ppbv	ND	1.1	0.051	ug/m3	GVO	
n-Heptane	ND	0.30	0.020	ppbv	ND	1.2	0.083	ug/m3	GVO	
<b>n-Hexane</b>	<b>0.11 J</b>	0.30	0.019	ppbv	<b>0.39 J</b>	1.1	0.067	ug/m3	GVO	B
<b>o-Xylene</b>	<b>3.4</b>	0.30	0.017	ppbv	<b>15</b>	1.3	0.076	ug/m3	GVO	
Propylene	ND	0.30	0.024	ppbv	ND	0.52	0.042	ug/m3	GVO	
Styrene	ND	0.30	0.027	ppbv	ND	1.3	0.12	ug/m3	GVO	
<b>Tetrachloroethene</b>	<b>0.23 J</b>	0.30	0.018	ppbv	<b>1.6 J</b>	2.0	0.12	ug/m3	GVO	
<b>Toluene</b>	<b>6.0</b>	0.30	0.016	ppbv	<b>23</b>	1.1	0.061	ug/m3	GVO	
trans-1,2-Dichloroethene	ND	0.30	0.022	ppbv	ND	1.2	0.087	ug/m3	GVO	
trans-1,3-Dichloropropene	ND	0.30	0.056	ppbv	ND	1.4	0.25	ug/m3	GVO	
Trichloroethene	ND	0.30	0.024	ppbv	ND	1.6	0.13	ug/m3	GVO	
<b>Trichlorofluoromethane</b>	<b>0.22 J</b>	0.30	0.023	ppbv	<b>1.2 J</b>	1.7	0.13	ug/m3	GVO	B
Vinyl Acetate	ND	1.5	0.014	ppbv	ND	5.3	0.051	ug/m3	GVO	
Vinyl Chloride	ND	0.30	0.019	ppbv	ND	0.77	0.048	ug/m3	GVO	

**Tentatively Identified Compounds**
**Result (V)**
**Result (M)**
**Units (M)**

Isobutane

ND

**Surrogate**
**%REC**
**Limits**
**Units (M)**
**Analyst**

Bromofluorobenzene

81

60-140

ug/m3

GVO

**Legend**
**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 4@5'

**Batch#:** 264307

**Prep:** METHOD

**Lab ID:** 443183-003

**Sampled:** 03/29/21 10:57

**Analysis:** EPA TO-15

**Matrix:** Air

**Received:** 03/29/21

**DiIn Fac:** 30.00

**Analyzed:** 04/01/21 08:25

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
<b>1,1,1-Trichloroethane</b>	<b>0.60 J</b>	6.0	0.53	ppbv	<b>3.3 J</b>	33	2.9	ug/m3	SLL	
1,1,2,2-Tetrachloroethane	ND	6.0	0.19	ppbv	ND	41	1.3	ug/m3	SLL	
1,1,2-Trichloroethane	ND	6.0	0.19	ppbv	ND	33	1.0	ug/m3	SLL	
<b>1,1-Dichloroethane</b>	<b>1.4 J</b>	6.0	0.44	ppbv	<b>5.7 J</b>	24	1.8	ug/m3	SLL	
1,1-Dichloroethene	ND	6.0	0.99	ppbv	ND	24	3.9	ug/m3	SLL	
1,2,4-Trichlorobenzene	ND	6.0	1.0	ppbv	ND	45	7.6	ug/m3	SLL	
<b>1,2,4-Trimethylbenzene</b>	<b>1.4 J</b>	6.0	0.29	ppbv	<b>7.1 J</b>	29	1.4	ug/m3	SLL	
1,2-Dibromoethane	ND	6.0	0.43	ppbv	ND	46	3.3	ug/m3	SLL	
1,2-Dichlorobenzene	ND	6.0	0.23	ppbv	ND	36	1.4	ug/m3	SLL	
1,2-Dichloroethane	ND	6.0	0.55	ppbv	ND	24	2.2	ug/m3	SLL	
1,2-Dichloropropane	ND	6.0	0.46	ppbv	ND	28	2.1	ug/m3	SLL	
<b>1,3,5-Trimethylbenzene</b>	<b>0.56 J</b>	6.0	0.27	ppbv	<b>2.7 J</b>	29	1.3	ug/m3	SLL	
1,3-Butadiene	ND	6.0	0.40	ppbv	ND	13	0.88	ug/m3	SLL	
1,3-Dichlorobenzene	ND	6.0	0.40	ppbv	ND	36	2.4	ug/m3	SLL	
<b>1,4-Dichlorobenzene</b>	<b>2.4 J</b>	6.0	0.33	ppbv	<b>15 J</b>	36	2.0	ug/m3	SLL	
1,4-Dioxane	ND	6.0	0.50	ppbv	ND	22	1.8	ug/m3	SLL	
<b>2-Butanone</b>	<b>17 J</b>	30	1.7	ppbv	<b>49 J</b>	88	5.0	ug/m3	SLL	
2-Hexanone	ND	6.0	0.37	ppbv	ND	25	1.5	ug/m3	SLL	
4-Ethyltoluene	ND	6.0	0.18	ppbv	ND	29	0.87	ug/m3	SLL	
4-Methyl-2-Pentanone	ND	6.0	0.60	ppbv	ND	25	2.5	ug/m3	SLL	
<b>Acetone</b>	<b>170</b>	30	1.5	ppbv	<b>400</b>	71	3.6	ug/m3	SLL	
Freon 113	ND	6.0	0.41	ppbv	ND	46	3.1	ug/m3	SLL	
<b>Benzene</b>	<b>2.9 J</b>	6.0	0.28	ppbv	<b>9.4 J</b>	19	0.89	ug/m3	SLL	
Benzyl chloride	ND	6.0	0.25	ppbv	ND	31	1.3	ug/m3	SLL	
Bromodichloromethane	ND	6.0	0.28	ppbv	ND	40	1.9	ug/m3	SLL	
Bromoform	ND	6.0	0.48	ppbv	ND	62	5.0	ug/m3	SLL	
Bromomethane	ND	6.0	0.73	ppbv	ND	23	2.8	ug/m3	SLL	
<b>Carbon Disulfide</b>	<b>86</b>	6.0	0.34	ppbv	<b>270</b>	19	1.1	ug/m3	SLL	
Carbon Tetrachloride	ND	6.0	0.34	ppbv	ND	38	2.1	ug/m3	SLL	
Chlorobenzene	ND	6.0	0.39	ppbv	ND	28	1.8	ug/m3	SLL	
Chloroethane	ND	6.0	1.3	ppbv	ND	16	3.3	ug/m3	SLL	
Chloroform	ND	6.0	0.31	ppbv	ND	29	1.5	ug/m3	SLL	
Chloromethane	ND	6.0	1.1	ppbv	ND	12	2.3	ug/m3	SLL	
cis-1,2-Dichloroethene	ND	6.0	0.36	ppbv	ND	24	1.4	ug/m3	SLL	
cis-1,3-Dichloropropene	ND	6.0	0.71	ppbv	ND	27	3.2	ug/m3	SLL	
Cyclohexane	ND	6.0	0.72	ppbv	ND	21	2.5	ug/m3	SLL	
Dibromochloromethane	ND	6.0	0.29	ppbv	ND	51	2.4	ug/m3	SLL	
Ethyl Acetate	ND	12	1.1	ppbv	ND	43	4.0	ug/m3	SLL	
<b>Ethylbenzene</b>	<b>0.64 J</b>	6.0	0.49	ppbv	<b>2.8 J</b>	26	2.1	ug/m3	SLL	
Freon 114	ND	6.0	0.62	ppbv	ND	42	4.3	ug/m3	SLL	
Freon 12	ND	6.0	0.35	ppbv	ND	30	1.7	ug/m3	SLL	

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
Hexachlorobutadiene	ND	6.0	0.56	ppbv	ND	64	5.9	ug/m3	SLL	
Isopropanol (IPA)	ND	30	0.93	ppbv	ND	74	2.3	ug/m3	SLL	
<b>m,p-Xylenes</b>	<b>3.7 J</b>	12	0.66	ppbv	<b>16 J</b>	52	2.9	ug/m3	SLL	
<b>Methylene Chloride</b>	<b>2.1 J</b>	15	0.55	ppbv	<b>7.4 J</b>	52	1.9	ug/m3	SLL	B
MTBE	ND	6.0	0.28	ppbv	ND	22	1.0	ug/m3	SLL	
<b>n-Heptane</b>	<b>9.2</b>	6.0	0.40	ppbv	<b>38</b>	25	1.7	ug/m3	SLL	
<b>n-Hexane</b>	<b>8.4</b>	6.0	0.38	ppbv	<b>29</b>	21	1.3	ug/m3	SLL	
<b>o-Xylene</b>	<b>1.1 J</b>	6.0	0.35	ppbv	<b>5.0 J</b>	26	1.5	ug/m3	SLL	
<b>Propylene</b>	<b>860</b>	6.0	0.48	ppbv	<b>1,500</b>	10	0.83	ug/m3	SLL	
Styrene	ND	6.0	0.54	ppbv	ND	26	2.3	ug/m3	SLL	
<b>Tetrachloroethene</b>	<b>1.5 J</b>	6.0	0.37	ppbv	<b>9.9 J</b>	41	2.5	ug/m3	SLL	
<b>Toluene</b>	<b>2.6 J</b>	6.0	0.32	ppbv	<b>9.9 J</b>	23	1.2	ug/m3	SLL	
trans-1,2-Dichloroethene	ND	6.0	0.44	ppbv	ND	24	1.7	ug/m3	SLL	
trans-1,3-Dichloropropene	ND	6.0	1.1	ppbv	ND	27	5.1	ug/m3	SLL	
Trichloroethene	ND	6.0	0.48	ppbv	ND	32	2.6	ug/m3	SLL	
<b>Trichlorofluoromethane</b>	<b>1.3 J</b>	6.0	0.46	ppbv	<b>7.4 J</b>	34	2.6	ug/m3	SLL	
Vinyl Acetate	ND	30	0.29	ppbv	ND	110	1.0	ug/m3	SLL	
Vinyl Chloride	ND	6.0	0.37	ppbv	ND	15	0.95	ug/m3	SLL	

Tentatively Identified Compounds				Result (V)	Units (V)	Result (M)	Units (M)
Isobutane				<b>52 J</b>	ppbv	<b>120 J</b>	ug/m3

Surrogate	%REC	Limits	Units (M)	Analyst
Bromofluorobenzene	99	60-140	ug/m3	SLL

**Legend**

**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 3@5'

**Matrix:** Air

**Sampled:** 03/29/21 11:15

**Prep:** METHOD

**Lab ID:** 443183-004

**Batch#:** 264402

**Received:** 03/29/21

**Analysis:** EPA TO-15

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Diln Fac	Analyzed	Analyst Qual
1,1,1-Trichloroethane	ND	6.0	0.53	ppbv	ND	33	2.9	ug/m3	30.00	04/02/21 05:54	GVO
1,1,2,2-Tetrachloroethane	ND	6.0	0.19	ppbv	ND	41	1.3	ug/m3	30.00	04/02/21 05:54	GVO
1,1,2-Trichloroethane	ND	6.0	0.19	ppbv	ND	33	1.0	ug/m3	30.00	04/02/21 05:54	GVO
<b>1,1-Dichloroethane</b>	<b>1.2 J</b>	6.0	0.44	ppbv	<b>5.0 J</b>	24	1.8	ug/m3	30.00	04/02/21 05:54	GVO
<b>1,1-Dichloroethene</b>	<b>4.2 J</b>	6.0	0.99	ppbv	<b>17 J</b>	24	3.9	ug/m3	30.00	04/02/21 05:54	GVO
1,2,4-Trichlorobenzene	ND	6.0	1.0	ppbv	ND	45	7.6	ug/m3	30.00	04/02/21 05:54	GVO
<b>1,2,4-Trimethylbenzene</b>	<b>0.93 J</b>	6.0	0.29	ppbv	<b>4.6 J</b>	29	1.4	ug/m3	30.00	04/02/21 05:54	GVO
1,2-Dibromoethane	ND	6.0	0.43	ppbv	ND	46	3.3	ug/m3	30.00	04/02/21 05:54	GVO
1,2-Dichlorobenzene	ND	6.0	0.23	ppbv	ND	36	1.4	ug/m3	30.00	04/02/21 05:54	GVO
1,2-Dichloroethane	ND	6.0	0.55	ppbv	ND	24	2.2	ug/m3	30.00	04/02/21 05:54	GVO
1,2-Dichloropropane	ND	6.0	0.46	ppbv	ND	28	2.1	ug/m3	30.00	04/02/21 05:54	GVO
1,3,5-Trimethylbenzene	ND	6.0	0.27	ppbv	ND	29	1.3	ug/m3	30.00	04/02/21 05:54	GVO
1,3-Butadiene	ND	6.0	0.40	ppbv	ND	13	0.88	ug/m3	30.00	04/02/21 05:54	GVO
1,3-Dichlorobenzene	ND	6.0	0.40	ppbv	ND	36	2.4	ug/m3	30.00	04/02/21 05:54	GVO
<b>1,4-Dichlorobenzene</b>	<b>1.4 J</b>	6.0	0.33	ppbv	<b>8.1 J</b>	36	2.0	ug/m3	30.00	04/02/21 05:54	GVO B
1,4-Dioxane	ND	6.0	0.50	ppbv	ND	22	1.8	ug/m3	30.00	04/02/21 05:54	GVO
<b>2-Butanone</b>	<b>130</b>	30	1.7	ppbv	<b>390</b>	88	5.0	ug/m3	30.00	04/02/21 05:54	GVO
2-Hexanone	ND	6.0	0.37	ppbv	ND	25	1.5	ug/m3	30.00	04/02/21 05:54	GVO
4-Ethyltoluene	ND	6.0	0.18	ppbv	ND	29	0.87	ug/m3	30.00	04/02/21 05:54	GVO
4-Methyl-2-Pentanone	ND	6.0	0.60	ppbv	ND	25	2.5	ug/m3	30.00	04/02/21 05:54	GVO
<b>Acetone</b>	<b>560</b>	30	1.5	ppbv	<b>1,300</b>	71	3.6	ug/m3	30.00	04/02/21 05:54	GVO
Freon 113	ND	6.0	0.41	ppbv	ND	46	3.1	ug/m3	30.00	04/02/21 05:54	GVO

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Diln Fac	Analyzed	Analyst Qual
<b>Benzene</b>	<b>9.7</b>	6.0	0.28	ppbv	<b>31</b>	19	0.89	ug/m3	30.00	04/02/21 05:54	GVO
Benzyl chloride	ND	6.0	0.25	ppbv	ND	31	1.3	ug/m3	30.00	04/02/21 05:54	GVO
Bromodichloromethane	ND	6.0	0.28	ppbv	ND	40	1.9	ug/m3	30.00	04/02/21 05:54	GVO
Bromoform	ND	6.0	0.48	ppbv	ND	62	5.0	ug/m3	30.00	04/02/21 05:54	GVO
Bromomethane	ND	6.0	0.73	ppbv	ND	23	2.8	ug/m3	30.00	04/02/21 05:54	GVO
<b>Carbon Disulfide</b>	<b>20</b>	6.0	0.34	ppbv	<b>64</b>	19	1.1	ug/m3	30.00	04/02/21 05:54	GVO
Carbon Tetrachloride	ND	6.0	0.34	ppbv	ND	38	2.1	ug/m3	30.00	04/02/21 05:54	GVO
Chlorobenzene	ND	6.0	0.39	ppbv	ND	28	1.8	ug/m3	30.00	04/02/21 05:54	GVO
Chloroethane	ND	6.0	1.3	ppbv	ND	16	3.3	ug/m3	30.00	04/02/21 05:54	GVO
Chloroform	ND	6.0	0.31	ppbv	ND	29	1.5	ug/m3	30.00	04/02/21 05:54	GVO
Chloromethane	ND	6.0	1.1	ppbv	ND	12	2.3	ug/m3	30.00	04/02/21 05:54	GVO
<b>cis-1,2-Dichloroethene</b>	<b>59</b>	6.0	0.36	ppbv	<b>230</b>	24	1.4	ug/m3	30.00	04/02/21 05:54	GVO
cis-1,3-Dichloropropene	ND	6.0	0.71	ppbv	ND	27	3.2	ug/m3	30.00	04/02/21 05:54	GVO
<b>Cyclohexane</b>	<b>24</b>	6.0	0.72	ppbv	<b>81</b>	21	2.5	ug/m3	30.00	04/02/21 05:54	GVO
Dibromochloromethane	ND	6.0	0.29	ppbv	ND	51	2.4	ug/m3	30.00	04/02/21 05:54	GVO
Ethyl Acetate	ND	12	1.1	ppbv	ND	43	4.0	ug/m3	30.00	04/02/21 05:54	GVO
<b>Ethylbenzene</b>	<b>0.94 J</b>	6.0	0.49	ppbv	<b>4.1 J</b>	26	2.1	ug/m3	30.00	04/02/21 05:54	GVO
Freon 114	ND	6.0	0.62	ppbv	ND	42	4.3	ug/m3	30.00	04/02/21 05:54	GVO
Freon 12	ND	6.0	0.35	ppbv	ND	30	1.7	ug/m3	30.00	04/02/21 05:54	GVO
Hexachlorobutadiene	ND	6.0	0.56	ppbv	ND	64	5.9	ug/m3	30.00	04/02/21 05:54	GVO
Isopropanol (IPA)	ND	30	0.93	ppbv	ND	74	2.3	ug/m3	30.00	04/02/21 05:54	GVO
<b>m,p-Xylenes</b>	<b>3.5 J</b>	12	0.66	ppbv	<b>15 J</b>	52	2.9	ug/m3	30.00	04/02/21 05:54	GVO B
<b>Methylene Chloride</b>	<b>1.4 J</b>	15	0.55	ppbv	<b>4.8 J</b>	52	1.9	ug/m3	30.00	04/02/21 05:54	GVO B
MTBE	ND	6.0	0.28	ppbv	ND	22	1.0	ug/m3	30.00	04/02/21 05:54	GVO

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Diln Fac	Analyzed	Analyst Qual
n-Heptane	22	6.0	0.40	ppbv	89	25	1.7	ug/m3	30.00	04/02/21 05:54	GVO
n-Hexane	17	6.0	0.38	ppbv	61	21	1.3	ug/m3	30.00	04/02/21 05:54	GVO
o-Xylene	1.1 J	6.0	0.35	ppbv	4.9 J	26	1.5	ug/m3	30.00	04/02/21 05:54	GVO B
Propylene	1,000	6.0	0.48	ppbv	1,700	10	0.83	ug/m3	30.00	04/02/21 05:54	GVO
Styrene	ND	6.0	0.54	ppbv	ND	26	2.3	ug/m3	30.00	04/02/21 05:54	GVO
Tetrachloroethene	13	6.0	0.37	ppbv	91	41	2.5	ug/m3	30.00	04/02/21 05:54	GVO
Toluene	7.4	6.0	0.32	ppbv	28	23	1.2	ug/m3	30.00	04/02/21 05:54	GVO
trans-1,2-Dichloroethene	13	6.0	0.44	ppbv	52	24	1.7	ug/m3	30.00	04/02/21 05:54	GVO
trans-1,3-Dichloropropene	ND	6.0	1.1	ppbv	ND	27	5.1	ug/m3	30.00	04/02/21 05:54	GVO
Trichloroethene	5.2 J	6.0	0.48	ppbv	28 J	32	2.6	ug/m3	30.00	04/02/21 05:54	GVO
Trichlorofluoromethane	ND	6.0	0.46	ppbv	ND	34	2.6	ug/m3	30.00	04/02/21 05:54	GVO
Vinyl Acetate	ND	30	0.29	ppbv	ND	110	1.0	ug/m3	30.00	04/02/21 05:54	GVO
Vinyl Chloride	1,100	12	0.75	ppbv	2,900	31	1.9	ug/m3	60.00	04/02/21 11:25	GVO

Tentatively Identified Compounds	Result (V)	Units (V)	Result (M)	Units (M)	Diln Fac	Analyzed
Isobutane	18 J	ppbv	44 J	ug/m3	30.00	04/02/21 05:54
Surrogate	%REC	Limits	Units (M)	Diln Fac	Analyzed	Analyst
Bromofluorobenzene	100	60-140	ug/m3	30.00	04/02/21 05:54	GVO

**Legend**

- B:** Contamination found in associated Method Blank
- J:** Estimated value
- MDL (V):** Method Detection Limit
- ND:** Not Detected at or above MDL
- RL (V):** Reporting Limit
- Result (M):** Result in mass units
- Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 5@5'

**Batch#:** 264402

**Prep:** METHOD

**Lab ID:** 443183-005

**Sampled:** 03/29/21 11:43

**Analysis:** EPA TO-15

**Matrix:** Air

**Received:** 03/29/21

**DiIn Fac:** 1.500

**Analyzed:** 04/02/21 10:37

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
<b>1,1,1-Trichloroethane</b>	<b>0.050 J</b>	0.30	0.027	ppbv	<b>0.27 J</b>	1.6	0.14	ug/m3	GVO	
1,1,2,2-Tetrachloroethane	ND	0.30	0.0096	ppbv	ND	2.1	0.066	ug/m3	GVO	
1,1,2-Trichloroethane	ND	0.30	0.0095	ppbv	ND	1.6	0.052	ug/m3	GVO	
1,1-Dichloroethane	ND	0.30	0.022	ppbv	ND	1.2	0.089	ug/m3	GVO	
1,1-Dichloroethene	ND	0.30	0.050	ppbv	ND	1.2	0.20	ug/m3	GVO	
<b>1,2,4-Trichlorobenzene</b>	<b>0.13 J</b>	0.30	0.051	ppbv	<b>0.96 J</b>	2.2	0.38	ug/m3	GVO	B
<b>1,2,4-Trimethylbenzene</b>	<b>1.8</b>	0.30	0.014	ppbv	<b>8.8</b>	1.5	0.071	ug/m3	GVO	
<b>1,2-Dibromoethane</b>	<b>0.025 J</b>	0.30	0.022	ppbv	<b>0.19 J</b>	2.3	0.17	ug/m3	GVO	B
<b>1,2-Dichlorobenzene</b>	<b>0.043 J</b>	0.30	0.012	ppbv	<b>0.26 J</b>	1.8	0.070	ug/m3	GVO	B
<b>1,2-Dichloroethane</b>	<b>0.034 J</b>	0.30	0.028	ppbv	<b>0.14 J</b>	1.2	0.11	ug/m3	GVO	
1,2-Dichloropropane	ND	0.30	0.023	ppbv	ND	1.4	0.11	ug/m3	GVO	
<b>1,3,5-Trimethylbenzene</b>	<b>0.37</b>	0.30	0.013	ppbv	<b>1.8</b>	1.5	0.066	ug/m3	GVO	
1,3-Butadiene	ND	0.30	0.020	ppbv	ND	0.66	0.044	ug/m3	GVO	
1,3-Dichlorobenzene	ND	0.30	0.020	ppbv	ND	1.8	0.12	ug/m3	GVO	
<b>1,4-Dichlorobenzene</b>	<b>1.7</b>	0.30	0.017	ppbv	<b>11</b>	1.8	0.10	ug/m3	GVO	
1,4-Dioxane	ND	0.30	0.025	ppbv	ND	1.1	0.090	ug/m3	GVO	
<b>2-Butanone</b>	<b>0.68 J</b>	1.5	0.084	ppbv	<b>2.0 J</b>	4.4	0.25	ug/m3	GVO	
2-Hexanone	ND	0.30	0.018	ppbv	ND	1.2	0.075	ug/m3	GVO	
<b>4-Ethyltoluene</b>	<b>0.42</b>	0.30	0.0088	ppbv	<b>2.1</b>	1.5	0.043	ug/m3	GVO	
<b>4-Methyl-2-Pentanone</b>	<b>0.076 J</b>	0.30	0.030	ppbv	<b>0.31 J</b>	1.2	0.12	ug/m3	GVO	
<b>Acetone</b>	<b>7.6</b>	1.5	0.075	ppbv	<b>18</b>	3.6	0.18	ug/m3	GVO	
<b>Freon 113</b>	<b>0.22 J</b>	0.30	0.020	ppbv	<b>1.7 J</b>	2.3	0.16	ug/m3	GVO	
<b>Benzene</b>	<b>1.0</b>	0.30	0.014	ppbv	<b>3.3</b>	0.96	0.045	ug/m3	GVO	
<b>Benzyl chloride</b>	<b>0.074 J</b>	0.30	0.012	ppbv	<b>0.38 J</b>	1.6	0.064	ug/m3	GVO	B
Bromodichloromethane	ND	0.30	0.014	ppbv	ND	2.0	0.095	ug/m3	GVO	
Bromoform	ND	0.30	0.024	ppbv	ND	3.1	0.25	ug/m3	GVO	
Bromomethane	ND	0.30	0.036	ppbv	ND	1.2	0.14	ug/m3	GVO	
<b>Carbon Disulfide</b>	<b>0.37</b>	0.30	0.017	ppbv	<b>1.2</b>	0.93	0.053	ug/m3	GVO	
Carbon Tetrachloride	ND	0.30	0.017	ppbv	ND	1.9	0.11	ug/m3	GVO	
Chlorobenzene	ND	0.30	0.019	ppbv	ND	1.4	0.089	ug/m3	GVO	
<b>Chloroethane</b>	<b>0.068 J</b>	0.30	0.063	ppbv	<b>0.18 J</b>	0.79	0.17	ug/m3	GVO	
<b>Chloroform</b>	<b>0.066 J</b>	0.30	0.015	ppbv	<b>0.32 J</b>	1.5	0.075	ug/m3	GVO	B
<b>Chloromethane</b>	<b>0.17 J</b>	0.30	0.056	ppbv	<b>0.34 J</b>	0.62	0.12	ug/m3	GVO	
cis-1,2-Dichloroethene	ND	0.30	0.018	ppbv	ND	1.2	0.071	ug/m3	GVO	
cis-1,3-Dichloropropene	ND	0.30	0.035	ppbv	ND	1.4	0.16	ug/m3	GVO	
Cyclohexane	ND	0.30	0.036	ppbv	ND	1.0	0.12	ug/m3	GVO	
Dibromochloromethane	ND	0.30	0.014	ppbv	ND	2.6	0.12	ug/m3	GVO	
Ethyl Acetate	ND	0.60	0.056	ppbv	ND	2.2	0.20	ug/m3	GVO	
<b>Ethylbenzene</b>	<b>0.33</b>	0.30	0.025	ppbv	<b>1.4</b>	1.3	0.11	ug/m3	GVO	
Freon 114	ND	0.30	0.031	ppbv	ND	2.1	0.22	ug/m3	GVO	
Freon 12	ND	0.30	0.017	ppbv	ND	1.5	0.085	ug/m3	GVO	

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
Hexachlorobutadiene	ND	0.30	0.028	ppbv	ND	3.2	0.30	ug/m3	GVO	
Isopropanol (IPA)	ND	1.5	0.047	ppbv	ND	3.7	0.11	ug/m3	GVO	
<b>m,p-Xylenes</b>	<b>2.0</b>	0.60	0.033	ppbv	<b>8.6</b>	2.6	0.14	ug/m3	GVO	
<b>Methylene Chloride</b>	<b>1.5</b>	0.75	0.027	ppbv	<b>5.3</b>	2.6	0.095	ug/m3	GVO	
MTBE	ND	0.30	0.014	ppbv	ND	1.1	0.051	ug/m3	GVO	
<b>n-Heptane</b>	<b>0.13 J</b>	0.30	0.020	ppbv	<b>0.53 J</b>	1.2	0.083	ug/m3	GVO	
<b>n-Hexane</b>	<b>0.23 J</b>	0.30	0.019	ppbv	<b>0.80 J</b>	1.1	0.067	ug/m3	GVO	
<b>o-Xylene</b>	<b>0.59</b>	0.30	0.017	ppbv	<b>2.6</b>	1.3	0.076	ug/m3	GVO	
Propylene	ND	0.30	0.024	ppbv	ND	0.52	0.042	ug/m3	GVO	
<b>Styrene</b>	<b>0.077 J</b>	0.30	0.027	ppbv	<b>0.33 J</b>	1.3	0.12	ug/m3	GVO	
<b>Tetrachloroethene</b>	<b>0.85</b>	0.30	0.018	ppbv	<b>5.7</b>	2.0	0.12	ug/m3	GVO	
<b>Toluene</b>	<b>0.71</b>	0.30	0.016	ppbv	<b>2.7</b>	1.1	0.061	ug/m3	GVO	
trans-1,2-Dichloroethene	ND	0.30	0.022	ppbv	ND	1.2	0.087	ug/m3	GVO	
trans-1,3-Dichloropropene	ND	0.30	0.056	ppbv	ND	1.4	0.25	ug/m3	GVO	
Trichloroethene	ND	0.30	0.024	ppbv	ND	1.6	0.13	ug/m3	GVO	
<b>Trichlorofluoromethane</b>	<b>0.76</b>	0.30	0.023	ppbv	<b>4.3</b>	1.7	0.13	ug/m3	GVO	
Vinyl Acetate	ND	1.5	0.014	ppbv	ND	5.3	0.051	ug/m3	GVO	
Vinyl Chloride	ND	0.30	0.019	ppbv	ND	0.77	0.048	ug/m3	GVO	

Tentatively Identified Compounds	Result (V)	Units (V)	Result (M)	Units (M)
Isobutane	<b>0.67 J</b>	ppbv	<b>1.6 J</b>	ug/m3

Surrogate	%REC	Limits	Units (M)	Analyst
Bromofluorobenzene	101	60-140	ug/m3	GVO

**Legend**

**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 9@5'

**Batch#:** 264402

**Prep:** METHOD

**Lab ID:** 443183-006

**Sampled:** 03/29/21 13:49

**Analysis:** EPA TO-15

**Matrix:** Air

**Received:** 03/29/21

**DiIn Fac:** 30.00

**Analyzed:** 04/02/21 07:24

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
1,1,1-Trichloroethane	ND	6.0	0.53	ppbv	ND	33	2.9	ug/m3	GVO	
1,1,2,2-Tetrachloroethane	ND	6.0	0.19	ppbv	ND	41	1.3	ug/m3	GVO	
1,1,2-Trichloroethane	ND	6.0	0.19	ppbv	ND	33	1.0	ug/m3	GVO	
<b>1,1-Dichloroethane</b>	<b>0.81 J</b>	6.0	0.44	ppbv	<b>3.3 J</b>	24	1.8	ug/m3	GVO	
1,1-Dichloroethene	ND	6.0	0.99	ppbv	ND	24	3.9	ug/m3	GVO	
1,2,4-Trichlorobenzene	ND	6.0	1.0	ppbv	ND	45	7.6	ug/m3	GVO	
<b>1,2,4-Trimethylbenzene</b>	<b>1.1 J</b>	6.0	0.29	ppbv	<b>5.3 J</b>	29	1.4	ug/m3	GVO	
1,2-Dibromoethane	ND	6.0	0.43	ppbv	ND	46	3.3	ug/m3	GVO	
1,2-Dichlorobenzene	ND	6.0	0.23	ppbv	ND	36	1.4	ug/m3	GVO	
1,2-Dichloroethane	ND	6.0	0.55	ppbv	ND	24	2.2	ug/m3	GVO	
1,2-Dichloropropane	ND	6.0	0.46	ppbv	ND	28	2.1	ug/m3	GVO	
<b>1,3,5-Trimethylbenzene</b>	<b>0.34 J</b>	6.0	0.27	ppbv	<b>1.7 J</b>	29	1.3	ug/m3	GVO	B
1,3-Butadiene	ND	6.0	0.40	ppbv	ND	13	0.88	ug/m3	GVO	
1,3-Dichlorobenzene	ND	6.0	0.40	ppbv	ND	36	2.4	ug/m3	GVO	
1,4-Dichlorobenzene	ND	6.0	0.33	ppbv	ND	36	2.0	ug/m3	GVO	
1,4-Dioxane	ND	6.0	0.50	ppbv	ND	22	1.8	ug/m3	GVO	
<b>2-Butanone</b>	<b>13 J</b>	30	1.7	ppbv	<b>38 J</b>	88	5.0	ug/m3	GVO	
2-Hexanone	ND	6.0	0.37	ppbv	ND	25	1.5	ug/m3	GVO	
4-Ethyltoluene	ND	6.0	0.18	ppbv	ND	29	0.87	ug/m3	GVO	
4-Methyl-2-Pentanone	ND	6.0	0.60	ppbv	ND	25	2.5	ug/m3	GVO	
<b>Acetone</b>	<b>83</b>	30	1.5	ppbv	<b>200</b>	71	3.6	ug/m3	GVO	B
Freon 113	ND	6.0	0.41	ppbv	ND	46	3.1	ug/m3	GVO	
<b>Benzene</b>	<b>4.4 J</b>	6.0	0.28	ppbv	<b>14 J</b>	19	0.89	ug/m3	GVO	
Benzyl chloride	ND	6.0	0.25	ppbv	ND	31	1.3	ug/m3	GVO	
Bromodichloromethane	ND	6.0	0.28	ppbv	ND	40	1.9	ug/m3	GVO	
Bromoform	ND	6.0	0.48	ppbv	ND	62	5.0	ug/m3	GVO	
Bromomethane	ND	6.0	0.73	ppbv	ND	23	2.8	ug/m3	GVO	
<b>Carbon Disulfide</b>	<b>16</b>	6.0	0.34	ppbv	<b>51</b>	19	1.1	ug/m3	GVO	
Carbon Tetrachloride	ND	6.0	0.34	ppbv	ND	38	2.1	ug/m3	GVO	
Chlorobenzene	ND	6.0	0.39	ppbv	ND	28	1.8	ug/m3	GVO	
Chloroethane	ND	6.0	1.3	ppbv	ND	16	3.3	ug/m3	GVO	
Chloroform	ND	6.0	0.31	ppbv	ND	29	1.5	ug/m3	GVO	
Chloromethane	ND	6.0	1.1	ppbv	ND	12	2.3	ug/m3	GVO	
<b>cis-1,2-Dichloroethene</b>	<b>5.9 J</b>	6.0	0.36	ppbv	<b>23 J</b>	24	1.4	ug/m3	GVO	
cis-1,3-Dichloropropene	ND	6.0	0.71	ppbv	ND	27	3.2	ug/m3	GVO	
<b>Cyclohexane</b>	<b>9.0</b>	6.0	0.72	ppbv	<b>31</b>	21	2.5	ug/m3	GVO	
Dibromochloromethane	ND	6.0	0.29	ppbv	ND	51	2.4	ug/m3	GVO	
Ethyl Acetate	ND	12	1.1	ppbv	ND	43	4.0	ug/m3	GVO	
<b>Ethylbenzene</b>	<b>2.9 J</b>	6.0	0.49	ppbv	<b>12 J</b>	26	2.1	ug/m3	GVO	
Freon 114	ND	6.0	0.62	ppbv	ND	42	4.3	ug/m3	GVO	
<b>Freon 12</b>	<b>11</b>	6.0	0.35	ppbv	<b>55</b>	30	1.7	ug/m3	GVO	

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
Hexachlorobutadiene	ND	6.0	0.56	ppbv	ND	64	5.9	ug/m3	GVO	
Isopropanol (IPA)	ND	30	0.93	ppbv	ND	74	2.3	ug/m3	GVO	
<b>m,p-Xylenes</b>	<b>13</b>	12	0.66	ppbv	<b>55</b>	52	2.9	ug/m3	GVO	B
<b>Methylene Chloride</b>	<b>3.4 J</b>	15	0.55	ppbv	<b>12 J</b>	52	1.9	ug/m3	GVO	B
MTBE	ND	6.0	0.28	ppbv	ND	22	1.0	ug/m3	GVO	
<b>n-Heptane</b>	<b>5.0 J</b>	6.0	0.40	ppbv	<b>20 J</b>	25	1.7	ug/m3	GVO	
<b>n-Hexane</b>	<b>3.5 J</b>	6.0	0.38	ppbv	<b>12 J</b>	21	1.3	ug/m3	GVO	B
<b>o-Xylene</b>	<b>4.3 J</b>	6.0	0.35	ppbv	<b>19 J</b>	26	1.5	ug/m3	GVO	
<b>Propylene</b>	<b>500</b>	6.0	0.48	ppbv	<b>860</b>	10	0.83	ug/m3	GVO	
Styrene	ND	6.0	0.54	ppbv	ND	26	2.3	ug/m3	GVO	
<b>Tetrachloroethene</b>	<b>12</b>	6.0	0.37	ppbv	<b>78</b>	41	2.5	ug/m3	GVO	
<b>Toluene</b>	<b>2.2 J</b>	6.0	0.32	ppbv	<b>8.3 J</b>	23	1.2	ug/m3	GVO	B
<b>trans-1,2-Dichloroethene</b>	<b>0.77 J</b>	6.0	0.44	ppbv	<b>3.1 J</b>	24	1.7	ug/m3	GVO	
trans-1,3-Dichloropropene	ND	6.0	1.1	ppbv	ND	27	5.1	ug/m3	GVO	
<b>Trichloroethene</b>	<b>1.4 J</b>	6.0	0.48	ppbv	<b>7.8 J</b>	32	2.6	ug/m3	GVO	
<b>Trichlorofluoromethane</b>	<b>4.2 J</b>	6.0	0.46	ppbv	<b>23 J</b>	34	2.6	ug/m3	GVO	B
Vinyl Acetate	ND	30	0.29	ppbv	ND	110	1.0	ug/m3	GVO	
<b>Vinyl Chloride</b>	<b>7.3</b>	6.0	0.37	ppbv	<b>19</b>	15	0.95	ug/m3	GVO	

Tentatively Identified Compounds	Result (V)	Units (V)	Result (M)	Units (M)
Isobutane	<b>31 J</b>	ppbv	<b>74 J</b>	ug/m3

Surrogate	%REC	Limits	Units (M)	Analyst
Bromofluorobenzene	99	60-140	ug/m3	GVO

**Legend**

**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 8@5'

**Matrix:** Air

**Sampled:** 03/29/21 14:09

**Prep:** METHOD

**Lab ID:** 443183-007

**Batch#:** 264402

**Received:** 03/29/21

**Analysis:** EPA TO-15

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Diln Fac	Analyzed	Analyst Qual
1,1,1-Trichloroethane	ND	6.0	0.53	ppbv	ND	33	2.9	ug/m3	30.00	04/02/21 08:09	GVO
1,1,2,2-Tetrachloroethane	ND	6.0	0.19	ppbv	ND	41	1.3	ug/m3	30.00	04/02/21 08:09	GVO
1,1,2-Trichloroethane	ND	6.0	0.19	ppbv	ND	33	1.0	ug/m3	30.00	04/02/21 08:09	GVO
<b>1,1-Dichloroethane</b>	<b>3.2 J</b>	6.0	0.44	ppbv	<b>13 J</b>	24	1.8	ug/m3	30.00	04/02/21 08:09	GVO
<b>1,1-Dichloroethene</b>	<b>32</b>	6.0	0.99	ppbv	<b>130</b>	24	3.9	ug/m3	30.00	04/02/21 08:09	GVO
1,2,4-Trichlorobenzene	ND	6.0	1.0	ppbv	ND	45	7.6	ug/m3	30.00	04/02/21 08:09	GVO
<b>1,2,4-Trimethylbenzene</b>	<b>2.5 J</b>	6.0	0.29	ppbv	<b>12 J</b>	29	1.4	ug/m3	30.00	04/02/21 08:09	GVO
1,2-Dibromoethane	ND	6.0	0.43	ppbv	ND	46	3.3	ug/m3	30.00	04/02/21 08:09	GVO
1,2-Dichlorobenzene	ND	6.0	0.23	ppbv	ND	36	1.4	ug/m3	30.00	04/02/21 08:09	GVO
1,2-Dichloroethane	ND	6.0	0.55	ppbv	ND	24	2.2	ug/m3	30.00	04/02/21 08:09	GVO
1,2-Dichloropropane	ND	6.0	0.46	ppbv	ND	28	2.1	ug/m3	30.00	04/02/21 08:09	GVO
<b>1,3,5-Trimethylbenzene</b>	<b>0.59 J</b>	6.0	0.27	ppbv	<b>2.9 J</b>	29	1.3	ug/m3	30.00	04/02/21 08:09	GVO B
1,3-Butadiene	ND	6.0	0.40	ppbv	ND	13	0.88	ug/m3	30.00	04/02/21 08:09	GVO
1,3-Dichlorobenzene	ND	6.0	0.40	ppbv	ND	36	2.4	ug/m3	30.00	04/02/21 08:09	GVO
1,4-Dichlorobenzene	ND	6.0	0.33	ppbv	ND	36	2.0	ug/m3	30.00	04/02/21 08:09	GVO
1,4-Dioxane	ND	6.0	0.50	ppbv	ND	22	1.8	ug/m3	30.00	04/02/21 08:09	GVO
<b>2-Butanone</b>	<b>8.2 J</b>	30	1.7	ppbv	<b>24 J</b>	88	5.0	ug/m3	30.00	04/02/21 08:09	GVO
2-Hexanone	ND	6.0	0.37	ppbv	ND	25	1.5	ug/m3	30.00	04/02/21 08:09	GVO
<b>4-Ethyltoluene</b>	<b>0.71 J</b>	6.0	0.18	ppbv	<b>3.5 J</b>	29	0.87	ug/m3	30.00	04/02/21 08:09	GVO B
4-Methyl-2-Pentanone	ND	6.0	0.60	ppbv	ND	25	2.5	ug/m3	30.00	04/02/21 08:09	GVO
Acetone	ND	30	1.5	ppbv	ND	71	3.6	ug/m3	30.00	04/02/21 08:09	GVO
Freon 113	ND	6.0	0.41	ppbv	ND	46	3.1	ug/m3	30.00	04/02/21 08:09	GVO

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Diln Fac	Analyzed	Analyst Qual
<b>Benzene</b>	<b>5.1 J</b>	6.0	0.28	ppbv	<b>16 J</b>	19	0.89	ug/m3	30.00	04/02/21 08:09	GVO
Benzyl chloride	ND	6.0	0.25	ppbv	ND	31	1.3	ug/m3	30.00	04/02/21 08:09	GVO
Bromodichloromethane	ND	6.0	0.28	ppbv	ND	40	1.9	ug/m3	30.00	04/02/21 08:09	GVO
Bromoform	ND	6.0	0.48	ppbv	ND	62	5.0	ug/m3	30.00	04/02/21 08:09	GVO
Bromomethane	ND	6.0	0.73	ppbv	ND	23	2.8	ug/m3	30.00	04/02/21 08:09	GVO
<b>Carbon Disulfide</b>	<b>8.2</b>	6.0	0.34	ppbv	<b>25</b>	19	1.1	ug/m3	30.00	04/02/21 08:09	GVO
Carbon Tetrachloride	ND	6.0	0.34	ppbv	ND	38	2.1	ug/m3	30.00	04/02/21 08:09	GVO
Chlorobenzene	ND	6.0	0.39	ppbv	ND	28	1.8	ug/m3	30.00	04/02/21 08:09	GVO
Chloroethane	ND	6.0	1.3	ppbv	ND	16	3.3	ug/m3	30.00	04/02/21 08:09	GVO
Chloroform	ND	6.0	0.31	ppbv	ND	29	1.5	ug/m3	30.00	04/02/21 08:09	GVO
Chloromethane	ND	6.0	1.1	ppbv	ND	12	2.3	ug/m3	30.00	04/02/21 08:09	GVO
<b>cis-1,2-Dichloroethene</b>	<b>5.9 J</b>	6.0	0.36	ppbv	<b>24 J</b>	24	1.4	ug/m3	30.00	04/02/21 08:09	GVO
cis-1,3-Dichloropropene	ND	6.0	0.71	ppbv	ND	27	3.2	ug/m3	30.00	04/02/21 08:09	GVO
<b>Cyclohexane</b>	<b>17</b>	6.0	0.72	ppbv	<b>60</b>	21	2.5	ug/m3	30.00	04/02/21 08:09	GVO
Dibromochloromethane	ND	6.0	0.29	ppbv	ND	51	2.4	ug/m3	30.00	04/02/21 08:09	GVO
Ethyl Acetate	ND	12	1.1	ppbv	ND	43	4.0	ug/m3	30.00	04/02/21 08:09	GVO
<b>Ethylbenzene</b>	<b>6.2</b>	6.0	0.49	ppbv	<b>27</b>	26	2.1	ug/m3	30.00	04/02/21 08:09	GVO
Freon 114	ND	6.0	0.62	ppbv	ND	42	4.3	ug/m3	30.00	04/02/21 08:09	GVO
Freon 12	ND	6.0	0.35	ppbv	ND	30	1.7	ug/m3	30.00	04/02/21 08:09	GVO
Hexachlorobutadiene	ND	6.0	0.56	ppbv	ND	64	5.9	ug/m3	30.00	04/02/21 08:09	GVO
Isopropanol (IPA)	ND	30	0.93	ppbv	ND	74	2.3	ug/m3	30.00	04/02/21 08:09	GVO
<b>m,p-Xylenes</b>	<b>26</b>	12	0.66	ppbv	<b>110</b>	52	2.9	ug/m3	30.00	04/02/21 08:09	GVO
<b>Methylene Chloride</b>	<b>1.7 J</b>	15	0.55	ppbv	<b>5.9 J</b>	52	1.9	ug/m3	30.00	04/02/21 08:09	GVO B
MTBE	ND	6.0	0.28	ppbv	ND	22	1.0	ug/m3	30.00	04/02/21 08:09	GVO

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Diln Fac	Analyzed	Analyst Qual
n-Heptane	15	6.0	0.40	ppbv	62	25	1.7	ug/m3	30.00	04/02/21 08:09	GVO
n-Hexane	19	6.0	0.38	ppbv	67	21	1.3	ug/m3	30.00	04/02/21 08:09	GVO
o-Xylene	8.4	6.0	0.35	ppbv	36	26	1.5	ug/m3	30.00	04/02/21 08:09	GVO
Propylene	1,200	12	0.97	ppbv	2,000	21	1.7	ug/m3	60.00	04/02/21 12:12	GVO
Styrene	ND	6.0	0.54	ppbv	ND	26	2.3	ug/m3	30.00	04/02/21 08:09	GVO
Tetrachloroethene	1.5 J	6.0	0.37	ppbv	9.9 J	41	2.5	ug/m3	30.00	04/02/21 08:09	GVO B
Toluene	4.3 J	6.0	0.32	ppbv	16 J	23	1.2	ug/m3	30.00	04/02/21 08:09	GVO B
trans-1,2-Dichloroethene	1.1 J	6.0	0.44	ppbv	4.6 J	24	1.7	ug/m3	30.00	04/02/21 08:09	GVO
trans-1,3-Dichloropropene	ND	6.0	1.1	ppbv	ND	27	5.1	ug/m3	30.00	04/02/21 08:09	GVO
Trichloroethene	0.49 J	6.0	0.48	ppbv	2.6 J	32	2.6	ug/m3	30.00	04/02/21 08:09	GVO
Trichlorofluoromethane	ND	6.0	0.46	ppbv	ND	34	2.6	ug/m3	30.00	04/02/21 08:09	GVO
Vinyl Acetate	ND	30	0.29	ppbv	ND	110	1.0	ug/m3	30.00	04/02/21 08:09	GVO
Vinyl Chloride	34	6.0	0.37	ppbv	86	15	0.95	ug/m3	30.00	04/02/21 08:09	GVO

Tentatively Identified Compounds	Result (V)	Units (V)	Result (M)	Units (M)	Diln Fac	Analyzed
Isobutane	27 J	ppbv	64 J	ug/m3	30.00	04/02/21 08:09
Surrogate	%REC	Limits	Units (M)	Diln Fac	Analyzed	Analyst
Bromofluorobenzene	99	60-140	ug/m3	30.00	04/02/21 08:09	GVO

**Legend**

**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 7@5'

**Batch#:** 264402

**Prep:** METHOD

**Lab ID:** 443183-008

**Sampled:** 03/29/21 14:26

**Analysis:** EPA TO-15

**Matrix:** Air

**Received:** 03/29/21

**DiIn Fac:** 30.00

**Analyzed:** 04/02/21 01:23

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
1,1,1-Trichloroethane	ND	6.0	0.53	ppbv	ND	33	2.9	ug/m3	GVO	
1,1,2,2-Tetrachloroethane	ND	6.0	0.19	ppbv	ND	41	1.3	ug/m3	GVO	
<b>1,1,2-Trichloroethane</b>	<b>68</b>	6.0	0.19	ppbv	<b>370</b>	33	1.0	ug/m3	GVO	
<b>1,1-Dichloroethane</b>	<b>16</b>	6.0	0.44	ppbv	<b>65</b>	24	1.8	ug/m3	GVO	
<b>1,1-Dichloroethene</b>	<b>370</b>	6.0	0.99	ppbv	<b>1,500</b>	24	3.9	ug/m3	GVO	
1,2,4-Trichlorobenzene	ND	6.0	1.0	ppbv	ND	45	7.6	ug/m3	GVO	
<b>1,2,4-Trimethylbenzene</b>	<b>0.78 J</b>	6.0	0.29	ppbv	<b>3.8 J</b>	29	1.4	ug/m3	GVO	
1,2-Dibromoethane	ND	6.0	0.43	ppbv	ND	46	3.3	ug/m3	GVO	
1,2-Dichlorobenzene	ND	6.0	0.23	ppbv	ND	36	1.4	ug/m3	GVO	
<b>1,2-Dichloroethane</b>	<b>48</b>	6.0	0.55	ppbv	<b>190</b>	24	2.2	ug/m3	GVO	
1,2-Dichloropropane	ND	6.0	0.46	ppbv	ND	28	2.1	ug/m3	GVO	
1,3,5-Trimethylbenzene	ND	6.0	0.27	ppbv	ND	29	1.3	ug/m3	GVO	
1,3-Butadiene	ND	6.0	0.40	ppbv	ND	13	0.88	ug/m3	GVO	
1,3-Dichlorobenzene	ND	6.0	0.40	ppbv	ND	36	2.4	ug/m3	GVO	
1,4-Dichlorobenzene	ND	6.0	0.33	ppbv	ND	36	2.0	ug/m3	GVO	
1,4-Dioxane	ND	6.0	0.50	ppbv	ND	22	1.8	ug/m3	GVO	
2-Butanone	ND	30	1.7	ppbv	ND	88	5.0	ug/m3	GVO	
2-Hexanone	ND	6.0	0.37	ppbv	ND	25	1.5	ug/m3	GVO	
4-Ethyltoluene	ND	6.0	0.18	ppbv	ND	29	0.87	ug/m3	GVO	
4-Methyl-2-Pentanone	ND	6.0	0.60	ppbv	ND	25	2.5	ug/m3	GVO	
Acetone	ND	30	1.5	ppbv	ND	71	3.6	ug/m3	GVO	
Freon 113	ND	6.0	0.41	ppbv	ND	46	3.1	ug/m3	GVO	
<b>Benzene</b>	<b>3.4 J</b>	6.0	0.28	ppbv	<b>11 J</b>	19	0.89	ug/m3	GVO	B
Benzyl chloride	ND	6.0	0.25	ppbv	ND	31	1.3	ug/m3	GVO	
Bromodichloromethane	ND	6.0	0.28	ppbv	ND	40	1.9	ug/m3	GVO	
Bromoform	ND	6.0	0.48	ppbv	ND	62	5.0	ug/m3	GVO	
Bromomethane	ND	6.0	0.73	ppbv	ND	23	2.8	ug/m3	GVO	
<b>Carbon Disulfide</b>	<b>2.8 J</b>	6.0	0.34	ppbv	<b>8.8 J</b>	19	1.1	ug/m3	GVO	B
Carbon Tetrachloride	ND	6.0	0.34	ppbv	ND	38	2.1	ug/m3	GVO	
Chlorobenzene	ND	6.0	0.39	ppbv	ND	28	1.8	ug/m3	GVO	
Chloroethane	ND	6.0	1.3	ppbv	ND	16	3.3	ug/m3	GVO	
<b>Chloroform</b>	<b>0.94 J</b>	6.0	0.31	ppbv	<b>4.6 J</b>	29	1.5	ug/m3	GVO	B
Chloromethane	ND	6.0	1.1	ppbv	ND	12	2.3	ug/m3	GVO	
<b>cis-1,2-Dichloroethene</b>	<b>7.2</b>	6.0	0.36	ppbv	<b>29</b>	24	1.4	ug/m3	GVO	
cis-1,3-Dichloropropene	ND	6.0	0.71	ppbv	ND	27	3.2	ug/m3	GVO	
Cyclohexane	ND	6.0	0.72	ppbv	ND	21	2.5	ug/m3	GVO	
Dibromochloromethane	ND	6.0	0.29	ppbv	ND	51	2.4	ug/m3	GVO	
Ethyl Acetate	ND	12	1.1	ppbv	ND	43	4.0	ug/m3	GVO	
Ethylbenzene	ND	6.0	0.49	ppbv	ND	26	2.1	ug/m3	GVO	
Freon 114	ND	6.0	0.62	ppbv	ND	42	4.3	ug/m3	GVO	
<b>Freon 12</b>	<b>7.4</b>	6.0	0.35	ppbv	<b>37</b>	30	1.7	ug/m3	GVO	

## Volatile Organics in Air

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst	Qual
Hexachlorobutadiene	ND	6.0	0.56	ppbv	ND	64	5.9	ug/m3	GVO	
Isopropanol (IPA)	ND	30	0.93	ppbv	ND	74	2.3	ug/m3	GVO	
<b>m,p-Xylenes</b>	<b>1.7 J</b>	12	0.66	ppbv	<b>7.5 J</b>	52	2.9	ug/m3	GVO	B
<b>Methylene Chloride</b>	<b>1.6 J</b>	15	0.55	ppbv	<b>5.4 J</b>	52	1.9	ug/m3	GVO	B
<b>MTBE</b>	<b>1.6 J</b>	6.0	0.28	ppbv	<b>5.6 J</b>	22	1.0	ug/m3	GVO	
<b>n-Heptane</b>	<b>2.5 J</b>	6.0	0.40	ppbv	<b>10 J</b>	25	1.7	ug/m3	GVO	
n-Hexane	ND	6.0	0.38	ppbv	ND	21	1.3	ug/m3	GVO	
<b>o-Xylene</b>	<b>0.87 J</b>	6.0	0.35	ppbv	<b>3.8 J</b>	26	1.5	ug/m3	GVO	B
Propylene	ND	6.0	0.48	ppbv	ND	10	0.83	ug/m3	GVO	
Styrene	ND	6.0	0.54	ppbv	ND	26	2.3	ug/m3	GVO	
<b>Tetrachloroethene</b>	<b>23</b>	6.0	0.37	ppbv	<b>150</b>	41	2.5	ug/m3	GVO	
<b>Toluene</b>	<b>1.4 J</b>	6.0	0.32	ppbv	<b>5.2 J</b>	23	1.2	ug/m3	GVO	B
<b>trans-1,2-Dichloroethene</b>	<b>4.8 J</b>	6.0	0.44	ppbv	<b>19 J</b>	24	1.7	ug/m3	GVO	
trans-1,3-Dichloropropene	ND	6.0	1.1	ppbv	ND	27	5.1	ug/m3	GVO	
<b>Trichloroethene</b>	<b>100</b>	6.0	0.48	ppbv	<b>550</b>	32	2.6	ug/m3	GVO	
<b>Trichlorofluoromethane</b>	<b>11</b>	6.0	0.46	ppbv	<b>62</b>	34	2.6	ug/m3	GVO	
Vinyl Acetate	ND	30	0.29	ppbv	ND	110	1.0	ug/m3	GVO	
<b>Vinyl Chloride</b>	<b>270</b>	6.0	0.37	ppbv	<b>700</b>	15	0.95	ug/m3	GVO	

Tentatively Identified Compounds				Result (V)	Units (V)	Result (M)	Units (M)
Isobutane				<b>8.4 J</b>	ppbv	<b>20 J</b>	ug/m3

Surrogate	%REC	Limits	Units (M)	Analyst
Bromofluorobenzene	100	60-140	ug/m3	GVO

**Legend**

**B:** Contamination found in associated Method Blank

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

<b>Type:</b> BLANK		<b>Matrix:</b> Air		<b>Batch#:</b> 264307		<b>Prep:</b> METHOD			
<b>Lab ID:</b> QC917070		<b>Diln Fac:</b> 1.000		<b>Analyzed:</b> 03/31/21 12:16		<b>Analysis:</b> EPA TO-15			
Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst
1,1,1-Trichloroethane	ND	0.20	0.018	ppbv	ND	1.1	0.097	ug/m3	GVO
1,1,2,2-Tetrachloroethane	ND	0.20	0.0064	ppbv	ND	1.4	0.044	ug/m3	GVO
1,1,2-Trichloroethane	ND	0.20	0.0063	ppbv	ND	1.1	0.034	ug/m3	GVO
1,1-Dichloroethane	ND	0.20	0.015	ppbv	ND	0.81	0.059	ug/m3	GVO
1,1-Dichloroethene	ND	0.20	0.033	ppbv	ND	0.79	0.13	ug/m3	GVO
1,2,4-Trichlorobenzene	ND	0.20	0.034	ppbv	ND	1.5	0.25	ug/m3	GVO
1,2,4-Trimethylbenzene	ND	0.20	0.0096	ppbv	ND	0.98	0.047	ug/m3	GVO
1,2-Dibromoethane	ND	0.20	0.014	ppbv	ND	1.5	0.11	ug/m3	GVO
1,2-Dichlorobenzene	ND	0.20	0.0077	ppbv	ND	1.2	0.046	ug/m3	GVO
1,2-Dichloroethane	ND	0.20	0.018	ppbv	ND	0.81	0.074	ug/m3	GVO
1,2-Dichloropropane	ND	0.20	0.015	ppbv	ND	0.92	0.071	ug/m3	GVO
1,3,5-Trimethylbenzene	ND	0.20	0.0089	ppbv	ND	0.98	0.044	ug/m3	GVO
1,3-Butadiene	ND	0.20	0.013	ppbv	ND	0.44	0.029	ug/m3	GVO
1,3-Dichlorobenzene	ND	0.20	0.013	ppbv	ND	1.2	0.079	ug/m3	GVO
1,4-Dichlorobenzene	ND	0.20	0.011	ppbv	ND	1.2	0.067	ug/m3	GVO
1,4-Dioxane	ND	0.20	0.017	ppbv	ND	0.72	0.060	ug/m3	GVO
2-Butanone	ND	1.0	0.056	ppbv	ND	2.9	0.17	ug/m3	GVO
2-Hexanone	ND	0.20	0.012	ppbv	ND	0.82	0.050	ug/m3	GVO
4-Ethyltoluene	ND	0.20	0.0059	ppbv	ND	0.98	0.029	ug/m3	GVO
4-Methyl-2-Pentanone	ND	0.20	0.020	ppbv	ND	0.82	0.083	ug/m3	GVO
<b>Acetone</b>	<b>0.20 J</b>	<b>1.0</b>	<b>0.050</b>	<b>ppbv</b>	<b>0.48 J</b>	<b>2.4</b>	<b>0.12</b>	<b>ug/m3</b>	<b>GVO</b>
Freon 113	ND	0.20	0.014	ppbv	ND	1.5	0.10	ug/m3	GVO
Benzene	ND	0.20	0.0093	ppbv	ND	0.64	0.030	ug/m3	GVO
Benzyl chloride	ND	0.20	0.0083	ppbv	ND	1.0	0.043	ug/m3	GVO
Bromodichloromethane	ND	0.20	0.0094	ppbv	ND	1.3	0.063	ug/m3	GVO
Bromoform	ND	0.20	0.016	ppbv	ND	2.1	0.17	ug/m3	GVO
Bromomethane	ND	0.20	0.024	ppbv	ND	0.78	0.094	ug/m3	GVO
Carbon Disulfide	ND	0.20	0.011	ppbv	ND	0.62	0.036	ug/m3	GVO
Carbon Tetrachloride	ND	0.20	0.011	ppbv	ND	1.3	0.071	ug/m3	GVO
Chlorobenzene	ND	0.20	0.013	ppbv	ND	0.92	0.059	ug/m3	GVO
Chloroethane	ND	0.20	0.042	ppbv	ND	0.53	0.11	ug/m3	GVO
Chloroform	ND	0.20	0.010	ppbv	ND	0.98	0.050	ug/m3	GVO
Chloromethane	ND	0.20	0.037	ppbv	ND	0.41	0.077	ug/m3	GVO
cis-1,2-Dichloroethene	ND	0.20	0.012	ppbv	ND	0.79	0.047	ug/m3	GVO
cis-1,3-Dichloropropene	ND	0.20	0.024	ppbv	ND	0.91	0.11	ug/m3	GVO
Cyclohexane	ND	0.20	0.024	ppbv	ND	0.69	0.082	ug/m3	GVO
Dibromochloromethane	ND	0.20	0.0095	ppbv	ND	1.7	0.081	ug/m3	GVO
Ethyl Acetate	ND	0.40	0.037	ppbv	ND	1.4	0.13	ug/m3	GVO
Ethylbenzene	ND	0.20	0.016	ppbv	ND	0.87	0.071	ug/m3	GVO
Freon 114	ND	0.20	0.021	ppbv	ND	1.4	0.14	ug/m3	GVO
Freon 12	ND	0.20	0.012	ppbv	ND	0.99	0.057	ug/m3	GVO
Hexachlorobutadiene	ND	0.20	0.019	ppbv	ND	2.1	0.20	ug/m3	GVO
Isopropanol (IPA)	ND	1.0	0.031	ppbv	ND	2.5	0.076	ug/m3	GVO

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst
m,p-Xylenes	ND	0.40	0.022	ppbv	ND	1.7	0.096	ug/m3	GVO
<b>Methylene Chloride</b>	<b>0.092 J</b>	0.50	0.018	ppbv	<b>0.32 J</b>	1.7	0.063	ug/m3	GVO
MTBE	ND	0.20	0.0094	ppbv	ND	0.72	0.034	ug/m3	GVO
n-Heptane	ND	0.20	0.013	ppbv	ND	0.82	0.055	ug/m3	GVO
n-Hexane	ND	0.20	0.013	ppbv	ND	0.70	0.045	ug/m3	GVO
o-Xylene	ND	0.20	0.012	ppbv	ND	0.87	0.050	ug/m3	GVO
Propylene	ND	0.20	0.016	ppbv	ND	0.34	0.028	ug/m3	GVO
Styrene	ND	0.20	0.018	ppbv	ND	0.85	0.077	ug/m3	GVO
Tetrachloroethene	ND	0.20	0.012	ppbv	ND	1.4	0.083	ug/m3	GVO
Toluene	ND	0.20	0.011	ppbv	ND	0.75	0.041	ug/m3	GVO
trans-1,2-Dichloroethene	ND	0.20	0.015	ppbv	ND	0.79	0.058	ug/m3	GVO
trans-1,3-Dichloropropene	ND	0.20	0.037	ppbv	ND	0.91	0.17	ug/m3	GVO
Trichloroethene	ND	0.20	0.016	ppbv	ND	1.1	0.086	ug/m3	GVO
Trichlorofluoromethane	ND	0.20	0.015	ppbv	ND	1.1	0.087	ug/m3	GVO
Vinyl Acetate	ND	1.0	0.0096	ppbv	ND	3.5	0.034	ug/m3	GVO
Vinyl Chloride	ND	0.20	0.012	ppbv	ND	0.51	0.032	ug/m3	GVO

**Tentatively Identified Compounds**
**Result (V)**
**Result (M)**
**Units (M)**

Isobutane

ND

**Surrogate**
**%REC**
**Limits**
**Units (M)**
**Analyst**

Bromofluorobenzene

98

60-140

ug/m3

GVO

Legend

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Type:** LCS

**Diln Fac:** 1.000

**Prep:** METHOD

**Lab ID:** QC917071

**Batch#:** 264307

**Analysis:** EPA TO-15

**Matrix:** Air

**Analyzed:** 03/31/21 10:30

**Analyst:** GVO

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,1,1-Trichloroethane	10.00	10.05	ppbv	100	70-130
1,1,2,2-Tetrachloroethane	10.00	9.333	ppbv	93	70-130
1,1,2-Trichloroethane	10.00	9.636	ppbv	96	70-130
1,1-Dichloroethane	10.00	9.945	ppbv	99	70-130
1,1-Dichloroethene	10.00	10.11	ppbv	101	70-130
1,2,4-Trichlorobenzene	10.00	10.72	ppbv	107	70-130
1,2,4-Trimethylbenzene	10.00	10.12	ppbv	101	70-130
1,2-Dibromoethane	10.00	9.673	ppbv	97	70-130
1,2-Dichlorobenzene	10.00	9.649	ppbv	96	70-130
1,2-Dichloroethane	10.00	9.819	ppbv	98	70-130
1,2-Dichloropropane	10.00	9.716	ppbv	97	70-130
1,3,5-Trimethylbenzene	10.00	9.778	ppbv	98	70-130
1,3-Butadiene	10.00	10.51	ppbv	105	70-130
1,3-Dichlorobenzene	10.00	9.282	ppbv	93	70-130
1,4-Dichlorobenzene	10.00	9.454	ppbv	95	70-130
1,4-Dioxane	10.00	10.17	ppbv	102	70-130
2-Butanone	10.00	9.637	ppbv	96	70-130
2-Hexanone	10.00	10.25	ppbv	102	70-130
4-Ethyltoluene	10.00	9.868	ppbv	99	70-130
4-Methyl-2-Pentanone	10.00	10.06	ppbv	101	70-130
Acetone	10.00	8.521	ppbv	85	70-130
Freon 113	10.00	9.898	ppbv	99	70-130
Benzene	10.00	9.984	ppbv	100	70-130
Benzyl chloride	10.00	10.89	ppbv	109	70-130
Bromodichloromethane	10.00	9.945	ppbv	99	70-130
Bromoform	10.00	9.790	ppbv	98	70-130
Bromomethane	10.00	10.41	ppbv	104	70-130
Carbon Disulfide	10.00	9.951	ppbv	100	70-130
Carbon Tetrachloride	10.00	9.957	ppbv	100	70-130
Chlorobenzene	10.00	9.436	ppbv	94	70-130
Chloroethane	10.00	10.44	ppbv	104	70-130
Chloroform	10.00	9.796	ppbv	98	70-130
Chloromethane	10.00	10.51	ppbv	105	70-130
cis-1,2-Dichloroethene	10.00	10.02	ppbv	100	70-130
cis-1,3-Dichloropropene	10.00	9.908	ppbv	99	70-130
Cyclohexane	10.00	9.976	ppbv	100	70-130
Dibromochloromethane	10.00	9.727	ppbv	97	70-130
Ethyl Acetate	10.00	9.810	ppbv	98	70-130
Ethylbenzene	10.00	9.895	ppbv	99	70-130
Freon 114	10.00	10.62	ppbv	106	70-130
Freon 12	10.00	10.41	ppbv	104	70-130
Hexachlorobutadiene	10.00	9.815	ppbv	98	70-130

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
Isopropanol (IPA)	10.00	10.08	ppbv	101	70-130
m,p-Xylenes	20.00	19.41	ppbv	97	70-130
Methylene Chloride	10.00	9.936	ppbv	99	70-130
MTBE	10.00	10.44	ppbv	104	70-130
n-Heptane	10.00	9.869	ppbv	99	70-130
n-Hexane	10.00	9.948	ppbv	99	70-130
o-Xylene	10.00	9.695	ppbv	97	70-130
Propylene	10.00	10.17	ppbv	102	70-130
Styrene	10.00	9.809	ppbv	98	70-130
Tetrachloroethene	10.00	9.607	ppbv	96	70-130
Toluene	10.00	9.871	ppbv	99	70-130
trans-1,2-Dichloroethene	10.00	10.04	ppbv	100	70-130
trans-1,3-Dichloropropene	10.00	10.35	ppbv	104	70-130
Trichloroethene	10.00	9.806	ppbv	98	70-130
Trichlorofluoromethane	10.00	10.05	ppbv	100	70-130
Vinyl Acetate	10.00	9.120	ppbv	91	70-130
Vinyl Chloride	10.00	10.61	ppbv	106	70-130
Surrogate				%REC	Limits
Bromofluorobenzene				97	60-140

Legend

**Result (V):** Result in volume units

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 4@5'

**Diln Fac:** 30.00

**Prep:** METHOD

**Type:** SDUP

**Batch#:** 264307

**Analysis:** EPA TO-15

**MSS Lab ID:** 443183-003

**Sampled:** 03/29/21 10:57

**Analyst:** GVO

**Lab ID:** QC917072

**Received:** 03/29/21

**Matrix:** Air

**Analyzed:** 04/01/21 09:45

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	RPD	Lim
1,1,1-Trichloroethane	0.6006	ND	6.000	ppbv	ND	32.74	2.9	ug/m3	NC	30
1,1,2,2-Tetrachloroethane	<6.000	ND	6.000	ppbv	ND	41.19	1.3	ug/m3	NC	30
1,1,2-Trichloroethane	<6.000	ND	6.000	ppbv	ND	32.74	1.0	ug/m3	NC	30
1,1-Dichloroethane	1.420	ND	6.000	ppbv	ND	24.28	1.8	ug/m3	NC	30
1,1-Dichloroethene	<6.000	ND	6.000	ppbv	ND	23.79	3.9	ug/m3	NC	30
1,2,4-Trichlorobenzene	<6.000	ND	6.000	ppbv	ND	44.53	7.6	ug/m3	NC	30
1,2,4-Trimethylbenzene	1.442	ND	6.000	ppbv	ND	29.50	1.4	ug/m3	NC	30
1,2-Dibromoethane	<6.000	ND	6.000	ppbv	ND	46.10	3.3	ug/m3	NC	30
1,2-Dichlorobenzene	<6.000	ND	6.000	ppbv	ND	36.07	1.4	ug/m3	NC	30
1,2-Dichloroethane	<6.000	ND	6.000	ppbv	ND	24.28	2.2	ug/m3	NC	30
1,2-Dichloropropane	<6.000	ND	6.000	ppbv	ND	27.73	2.1	ug/m3	NC	30
1,3,5-Trimethylbenzene	0.5551	ND	6.000	ppbv	ND	29.50	1.3	ug/m3	NC	30
1,3-Butadiene	<6.000	ND	6.000	ppbv	ND	13.27	0.88	ug/m3	NC	30
1,3-Dichlorobenzene	<6.000	ND	6.000	ppbv	ND	36.07	2.4	ug/m3	NC	30
1,4-Dichlorobenzene	2.426	ND	6.000	ppbv	ND	36.07	2.0	ug/m3	NC	30
1,4-Dioxane	<6.000	ND	6.000	ppbv	ND	21.62	1.8	ug/m3	NC	30
2-Butanone	16.72	ND	30.00	ppbv	ND	88.47	5.0	ug/m3	NC	30
2-Hexanone	<6.000	ND	6.000	ppbv	ND	24.58	1.5	ug/m3	NC	30
4-Ethyltoluene	<6.000	ND	6.000	ppbv	ND	29.50	0.87	ug/m3	NC	30
4-Methyl-2-Pentanone	<6.000	ND	6.000	ppbv	ND	24.58	2.5	ug/m3	NC	30
<b>Acetone</b>	<b>170.1</b>	<b>167.2</b>	<b>30.00</b>	<b>ppbv</b>	<b>397.2</b>	<b>71.26</b>	<b>3.6</b>	<b>ug/m3</b>	<b>2</b>	<b>30</b>
Freon 113	<6.000	ND	6.000	ppbv	ND	45.98	3.1	ug/m3	NC	30
Benzene	2.948	ND	6.000	ppbv	ND	19.17	0.89	ug/m3	NC	30
Benzyl chloride	<6.000	ND	6.000	ppbv	ND	31.06	1.3	ug/m3	NC	30
Bromodichloromethane	<6.000	ND	6.000	ppbv	ND	40.20	1.9	ug/m3	NC	30
Bromoform	<6.000	ND	6.000	ppbv	ND	62.02	5.0	ug/m3	NC	30
Bromomethane	<6.000	ND	6.000	ppbv	ND	23.30	2.8	ug/m3	NC	30
<b>Carbon Disulfide</b>	<b>85.71</b>	<b>81.83</b>	<b>6.000</b>	<b>ppbv</b>	<b>254.8</b>	<b>18.68</b>	<b>1.1</b>	<b>ug/m3</b>	<b>5</b>	<b>30</b>
Carbon Tetrachloride	<6.000	ND	6.000	ppbv	ND	37.75	2.1	ug/m3	NC	30
Chlorobenzene	<6.000	ND	6.000	ppbv	ND	27.62	1.8	ug/m3	NC	30
Chloroethane	<6.000	ND	6.000	ppbv	ND	15.83	3.3	ug/m3	NC	30
Chloroform	<6.000	ND	6.000	ppbv	ND	29.30	1.5	ug/m3	NC	30
Chloromethane	<6.000	ND	6.000	ppbv	ND	12.39	2.3	ug/m3	NC	30
cis-1,2-Dichloroethene	<6.000	ND	6.000	ppbv	ND	23.79	1.4	ug/m3	NC	30
cis-1,3-Dichloropropene	<6.000	ND	6.000	ppbv	ND	27.23	3.2	ug/m3	NC	30
Cyclohexane	<6.000	ND	6.000	ppbv	ND	20.65	2.5	ug/m3	NC	30
Dibromochloromethane	<6.000	ND	6.000	ppbv	ND	51.11	2.4	ug/m3	NC	30
Ethyl Acetate	<12.00	ND	12.00	ppbv	ND	43.24	4.0	ug/m3	NC	30
Ethylbenzene	0.6443	ND	6.000	ppbv	ND	26.05	2.1	ug/m3	NC	30
Freon 114	<6.000	ND	6.000	ppbv	ND	41.94	4.3	ug/m3	NC	30

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	RPD	Lim
Freon 12	<6.000	ND	6.000	ppbv	ND	29.67	1.7	ug/m3	NC	30
Hexachlorobutadiene	<6.000	ND	6.000	ppbv	ND	63.99	5.9	ug/m3	NC	30
Isopropanol (IPA)	<30.00	ND	30.00	ppbv	ND	73.74	2.3	ug/m3	NC	30
m,p-Xylenes	3.699	ND	12.00	ppbv	ND	52.11	2.9	ug/m3	NC	30
Methylene Chloride	2.138	ND	15.00	ppbv	ND	52.11	1.9	ug/m3	NC	30
MTBE	<6.000	ND	6.000	ppbv	ND	21.63	1.0	ug/m3	NC	30
<b>n-Heptane</b>	9.179	<b>9.611</b>	6.000	ppbv	<b>39.39</b>	24.59	1.7	ug/m3	5	30
<b>n-Hexane</b>	8.357	<b>8.077</b>	6.000	ppbv	<b>28.47</b>	21.15	1.3	ug/m3	3	30
o-Xylene	1.150	ND	6.000	ppbv	ND	26.05	1.5	ug/m3	NC	30
<b>Propylene</b>	856.8	<b>958.6</b>	6.000	ppbv	<b>1,650</b>	10.33	0.83	ug/m3	11	30
Styrene	<6.000	ND	6.000	ppbv	ND	25.56	2.3	ug/m3	NC	30
Tetrachloroethene	1.463	ND	6.000	ppbv	ND	40.70	2.5	ug/m3	NC	30
Toluene	2.630	ND	6.000	ppbv	ND	22.61	1.2	ug/m3	NC	30
trans-1,2-Dichloroethene	<6.000	ND	6.000	ppbv	ND	23.79	1.7	ug/m3	NC	30
trans-1,3-Dichloropropene	<6.000	ND	6.000	ppbv	ND	27.23	5.1	ug/m3	NC	30
Trichloroethene	<6.000	ND	6.000	ppbv	ND	32.24	2.6	ug/m3	NC	30
Trichlorofluoromethane	1.312	ND	6.000	ppbv	ND	33.71	2.6	ug/m3	NC	30
Vinyl Acetate	<30.00	ND	30.00	ppbv	ND	105.6	1.0	ug/m3	NC	30
Vinyl Chloride	<6.000	ND	6.000	ppbv	ND	15.34	0.95	ug/m3	NC	30

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	99	60-140	ug/m3

Legend

**NC:** Not Calculated

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**RPD:** Relative Percent Difference

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Type: BLANK		Matrix: Air		Batch#: 264402		Prep: METHOD			
Lab ID: QC917338		Diln Fac: 1.000		Analyzed: 04/01/21 15:48		Analysis: EPA TO-15			
Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst
1,1,1-Trichloroethane	ND	0.20	0.018	ppbv	ND	1.1	0.097	ug/m3	GVO
<b>1,1,2,2-Tetrachloroethane</b>	<b>0.014 J</b>	0.20	0.0064	ppbv	<b>0.096 J</b>	1.4	0.044	ug/m3	GVO
<b>1,1,2-Trichloroethane</b>	<b>0.015 J</b>	0.20	0.0063	ppbv	<b>0.079 J</b>	1.1	0.034	ug/m3	GVO
1,1-Dichloroethane	ND	0.20	0.015	ppbv	ND	0.81	0.059	ug/m3	GVO
1,1-Dichloroethene	ND	0.20	0.033	ppbv	ND	0.79	0.13	ug/m3	GVO
<b>1,2,4-Trichlorobenzene</b>	<b>0.040 J</b>	0.20	0.034	ppbv	<b>0.30 J</b>	1.5	0.25	ug/m3	GVO
1,2,4-Trimethylbenzene	ND	0.20	0.0096	ppbv	ND	0.98	0.047	ug/m3	GVO
<b>1,2-Dibromoethane</b>	<b>0.016 J</b>	0.20	0.014	ppbv	<b>0.12 J</b>	1.5	0.11	ug/m3	GVO
<b>1,2-Dichlorobenzene</b>	<b>0.019 J</b>	0.20	0.0077	ppbv	<b>0.12 J</b>	1.2	0.046	ug/m3	GVO
1,2-Dichloroethane	ND	0.20	0.018	ppbv	ND	0.81	0.074	ug/m3	GVO
1,2-Dichloropropane	ND	0.20	0.015	ppbv	ND	0.92	0.071	ug/m3	GVO
<b>1,3,5-Trimethylbenzene</b>	<b>0.012 J</b>	0.20	0.0089	ppbv	<b>0.059 J</b>	0.98	0.044	ug/m3	GVO
1,3-Butadiene	ND	0.20	0.013	ppbv	ND	0.44	0.029	ug/m3	GVO
<b>1,3-Dichlorobenzene</b>	<b>0.021 J</b>	0.20	0.013	ppbv	<b>0.13 J</b>	1.2	0.079	ug/m3	GVO
<b>1,4-Dichlorobenzene</b>	<b>0.022 J</b>	0.20	0.011	ppbv	<b>0.13 J</b>	1.2	0.067	ug/m3	GVO
1,4-Dioxane	ND	0.20	0.017	ppbv	ND	0.72	0.060	ug/m3	GVO
2-Butanone	ND	1.0	0.056	ppbv	ND	2.9	0.17	ug/m3	GVO
<b>2-Hexanone</b>	<b>0.018 J</b>	0.20	0.012	ppbv	<b>0.075 J</b>	0.82	0.050	ug/m3	GVO
<b>4-Ethyltoluene</b>	<b>0.011 J</b>	0.20	0.0059	ppbv	<b>0.054 J</b>	0.98	0.029	ug/m3	GVO
4-Methyl-2-Pentanone	ND	0.20	0.020	ppbv	ND	0.82	0.083	ug/m3	GVO
<b>Acetone</b>	<b>0.42 J</b>	1.0	0.050	ppbv	<b>0.99 J</b>	2.4	0.12	ug/m3	GVO
Freon 113	ND	0.20	0.014	ppbv	ND	1.5	0.10	ug/m3	GVO
<b>Benzene</b>	<b>0.014 J</b>	0.20	0.0093	ppbv	<b>0.043 J</b>	0.64	0.030	ug/m3	GVO
<b>Benzyl chloride</b>	<b>0.020 J</b>	0.20	0.0083	ppbv	<b>0.10 J</b>	1.0	0.043	ug/m3	GVO
<b>Bromodichloromethane</b>	<b>0.013 J</b>	0.20	0.0094	ppbv	<b>0.090 J</b>	1.3	0.063	ug/m3	GVO
Bromoform	ND	0.20	0.016	ppbv	ND	2.1	0.17	ug/m3	GVO
Bromomethane	ND	0.20	0.024	ppbv	ND	0.78	0.094	ug/m3	GVO
<b>Carbon Disulfide</b>	<b>0.019 J</b>	0.20	0.011	ppbv	<b>0.060 J</b>	0.62	0.036	ug/m3	GVO
<b>Carbon Tetrachloride</b>	<b>0.016 J</b>	0.20	0.011	ppbv	<b>0.098 J</b>	1.3	0.071	ug/m3	GVO
Chlorobenzene	ND	0.20	0.013	ppbv	ND	0.92	0.059	ug/m3	GVO
Chloroethane	ND	0.20	0.042	ppbv	ND	0.53	0.11	ug/m3	GVO
<b>Chloroform</b>	<b>0.014 J</b>	0.20	0.010	ppbv	<b>0.070 J</b>	0.98	0.050	ug/m3	GVO
Chloromethane	ND	0.20	0.037	ppbv	ND	0.41	0.077	ug/m3	GVO
<b>cis-1,2-Dichloroethene</b>	<b>0.012 J</b>	0.20	0.012	ppbv	<b>0.048 J</b>	0.79	0.047	ug/m3	GVO
cis-1,3-Dichloropropene	ND	0.20	0.024	ppbv	ND	0.91	0.11	ug/m3	GVO
Cyclohexane	ND	0.20	0.024	ppbv	ND	0.69	0.082	ug/m3	GVO
<b>Dibromochloromethane</b>	<b>0.014 J</b>	0.20	0.0095	ppbv	<b>0.12 J</b>	1.7	0.081	ug/m3	GVO
Ethyl Acetate	ND	0.40	0.037	ppbv	ND	1.4	0.13	ug/m3	GVO
Ethylbenzene	ND	0.20	0.016	ppbv	ND	0.87	0.071	ug/m3	GVO
Freon 114	ND	0.20	0.021	ppbv	ND	1.4	0.14	ug/m3	GVO
<b>Freon 12</b>	<b>0.018 J</b>	0.20	0.012	ppbv	<b>0.088 J</b>	0.99	0.057	ug/m3	GVO
<b>Hexachlorobutadiene</b>	<b>0.031 J</b>	0.20	0.019	ppbv	<b>0.33 J</b>	2.1	0.20	ug/m3	GVO
Isopropanol (IPA)	ND	1.0	0.031	ppbv	ND	2.5	0.076	ug/m3	GVO

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Result (V)	RL (V)	MDL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	Analyst
<b>m,p-Xylenes</b>	<b>0.043 J</b>	0.40	0.022	ppbv	<b>0.19 J</b>	1.7	0.096	ug/m3	GVO
<b>Methylene Chloride</b>	<b>0.066 J</b>	0.50	0.018	ppbv	<b>0.23 J</b>	1.7	0.063	ug/m3	GVO
MTBE	ND	0.20	0.0094	ppbv	ND	0.72	0.034	ug/m3	GVO
n-Heptane	ND	0.20	0.013	ppbv	ND	0.82	0.055	ug/m3	GVO
<b>n-Hexane</b>	<b>0.013 J</b>	0.20	0.013	ppbv	<b>0.045 J</b>	0.70	0.045	ug/m3	GVO
<b>o-Xylene</b>	<b>0.012 J</b>	0.20	0.012	ppbv	<b>0.051 J</b>	0.87	0.050	ug/m3	GVO
Propylene	ND	0.20	0.016	ppbv	ND	0.34	0.028	ug/m3	GVO
Styrene	ND	0.20	0.018	ppbv	ND	0.85	0.077	ug/m3	GVO
<b>Tetrachloroethene</b>	<b>0.012 J</b>	0.20	0.012	ppbv	<b>0.085 J</b>	1.4	0.083	ug/m3	GVO
<b>Toluene</b>	<b>0.017 J</b>	0.20	0.011	ppbv	<b>0.063 J</b>	0.75	0.041	ug/m3	GVO
trans-1,2-Dichloroethene	ND	0.20	0.015	ppbv	ND	0.79	0.058	ug/m3	GVO
trans-1,3-Dichloropropene	ND	0.20	0.037	ppbv	ND	0.91	0.17	ug/m3	GVO
Trichloroethene	ND	0.20	0.016	ppbv	ND	1.1	0.086	ug/m3	GVO
<b>Trichlorofluoromethane</b>	<b>0.017 J</b>	0.20	0.015	ppbv	<b>0.097 J</b>	1.1	0.087	ug/m3	GVO
Vinyl Acetate	ND	1.0	0.0096	ppbv	ND	3.5	0.034	ug/m3	GVO
Vinyl Chloride	ND	0.20	0.012	ppbv	ND	0.51	0.032	ug/m3	GVO

Tentatively Identified Compounds	Result (V)	Result (M)	Units (M)
Isobutane	ND		

Surrogate	%REC	Limits	Units (M)	Analyst
Bromofluorobenzene	97	60-140	ug/m3	GVO

Legend

**J:** Estimated value

**MDL (V):** Method Detection Limit

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Type:** LCS

**Diln Fac:** 1.000

**Prep:** METHOD

**Lab ID:** QC917339

**Batch#:** 264402

**Analysis:** EPA TO-15

**Matrix:** Air

**Analyzed:** 04/01/21 14:51

**Analyst:** GVO

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
1,1,1-Trichloroethane	10.00	10.71	ppbv	107	70-130
1,1,2,2-Tetrachloroethane	10.00	8.306	ppbv	83	70-130
1,1,2-Trichloroethane	10.00	8.667	ppbv	87	70-130
1,1-Dichloroethane	10.00	9.751	ppbv	98	70-130
1,1-Dichloroethene	10.00	10.59	ppbv	106	70-130
1,2,4-Trichlorobenzene	10.00	10.14	ppbv	101	70-130
1,2,4-Trimethylbenzene	10.00	9.998	ppbv	100	70-130
1,2-Dibromoethane	10.00	8.935	ppbv	89	70-130
1,2-Dichlorobenzene	10.00	9.229	ppbv	92	70-130
1,2-Dichloroethane	10.00	11.25	ppbv	112	70-130
1,2-Dichloropropane	10.00	8.834	ppbv	88	70-130
1,3,5-Trimethylbenzene	10.00	9.722	ppbv	97	70-130
1,3-Butadiene	10.00	10.84	ppbv	108	70-130
1,3-Dichlorobenzene	10.00	9.089	ppbv	91	70-130
1,4-Dichlorobenzene	10.00	9.120	ppbv	91	70-130
1,4-Dioxane	10.00	8.993	ppbv	90	70-130
2-Butanone	10.00	9.672	ppbv	97	70-130
2-Hexanone	10.00	9.570	ppbv	96	70-130
4-Ethyltoluene	10.00	9.490	ppbv	95	70-130
4-Methyl-2-Pentanone	10.00	9.504	ppbv	95	70-130
Acetone	10.00	9.589	ppbv	96	70-130
Freon 113	10.00	9.554	ppbv	96	70-130
Benzene	10.00	8.872	ppbv	89	70-130
Benzyl chloride	10.00	10.88	ppbv	109	70-130
Bromodichloromethane	10.00	10.29	ppbv	103	70-130
Bromoform	10.00	9.215	ppbv	92	70-130
Bromomethane	10.00	10.49	ppbv	105	70-130
Carbon Disulfide	10.00	9.071	ppbv	91	70-130
Carbon Tetrachloride	10.00	10.83	ppbv	108	70-130
Chlorobenzene	10.00	7.826	ppbv	78	70-130
Chloroethane	10.00	10.70	ppbv	107	70-130
Chloroform	10.00	9.926	ppbv	99	70-130
Chloromethane	10.00	10.17	ppbv	102	70-130
cis-1,2-Dichloroethene	10.00	9.845	ppbv	98	70-130
cis-1,3-Dichloropropene	10.00	8.930	ppbv	89	70-130
Cyclohexane	10.00	8.810	ppbv	88	70-130
Dibromochloromethane	10.00	9.613	ppbv	96	70-130
Ethyl Acetate	10.00	9.724	ppbv	97	70-130
Ethylbenzene	10.00	8.570	ppbv	86	70-130
Freon 114	10.00	10.24	ppbv	102	70-130
Freon 12	10.00	10.97	ppbv	110	70-130
Hexachlorobutadiene	10.00	10.15	ppbv	102	70-130

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	Spiked	Result (V)	Units (V)	%REC	Limits
Isopropanol (IPA)	10.00	11.58	ppbv	116	70-130
m,p-Xylenes	20.00	17.88	ppbv	89	70-130
Methylene Chloride	10.00	8.922	ppbv	89	70-130
MTBE	10.00	10.16	ppbv	102	70-130
n-Heptane	10.00	8.870	ppbv	89	70-130
n-Hexane	10.00	9.296	ppbv	93	70-130
o-Xylene	10.00	9.191	ppbv	92	70-130
Propylene	10.00	9.448	ppbv	94	70-130
Styrene	10.00	8.565	ppbv	86	70-130
Tetrachloroethene	10.00	8.974	ppbv	90	70-130
Toluene	10.00	8.984	ppbv	90	70-130
trans-1,2-Dichloroethene	10.00	9.813	ppbv	98	70-130
trans-1,3-Dichloropropene	10.00	9.287	ppbv	93	70-130
Trichloroethene	10.00	8.894	ppbv	89	70-130
Trichlorofluoromethane	10.00	12.45	ppbv	124	70-130
Vinyl Acetate	10.00	9.196	ppbv	92	70-130
Vinyl Chloride	10.00	10.40	ppbv	104	70-130
Surrogate				%REC	Limits
Bromofluorobenzene				104	60-140

Legend

**Result (V):** Result in volume units

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

**Field ID:** 1@5'

**Diln Fac:** 1.500

**Prep:** METHOD

**Type:** SDUP

**Batch#:** 264402

**Analysis:** EPA TO-15

**MSS Lab ID:** 443183-001

**Sampled:** 03/29/21 09:25

**Analyst:** GVO

**Lab ID:** QC917340

**Received:** 03/29/21

**Matrix:** Air

**Analyzed:** 04/01/21 17:24

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	RPD	Lim
1,1,1-Trichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.637	0.14	ug/m3	NC	30
1,1,2,2-Tetrachloroethane	<0.3000	ND	0.3000	ppbv	ND	2.060	0.066	ug/m3	NC	30
1,1,2-Trichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.637	0.052	ug/m3	NC	30
1,1-Dichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.214	0.089	ug/m3	NC	30
1,1-Dichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.189	0.20	ug/m3	NC	30
1,2,4-Trichlorobenzene	0.06641	ND	0.3000	ppbv	ND	2.226	0.38	ug/m3	NC	30
<b>1,2,4-Trimethylbenzene</b>	<b>2.378</b>	<b>2.344</b>	0.3000	ppbv	<b>11.52</b>	1.475	0.071	ug/m3	1	30
1,2-Dibromoethane	<0.3000	ND	0.3000	ppbv	ND	2.305	0.17	ug/m3	NC	30
1,2-Dichlorobenzene	0.02472	ND	0.3000	ppbv	ND	1.804	0.070	ug/m3	NC	30
1,2-Dichloroethane	<0.3000	ND	0.3000	ppbv	ND	1.214	0.11	ug/m3	NC	30
1,2-Dichloropropane	<0.3000	ND	0.3000	ppbv	ND	1.386	0.11	ug/m3	NC	30
<b>1,3,5-Trimethylbenzene</b>	<b>0.8203</b>	<b>0.8008</b>	0.3000	ppbv	<b>3.937</b>	1.475	0.066	ug/m3	2	30
1,3-Butadiene	<0.3000	ND	0.3000	ppbv	ND	0.6637	0.044	ug/m3	NC	30
1,3-Dichlorobenzene	<0.3000	ND	0.3000	ppbv	ND	1.804	0.12	ug/m3	NC	30
<b>1,4-Dichlorobenzene</b>	<b>0.6975</b>	<b>0.6681</b>	0.3000	ppbv	<b>4.017</b>	1.804	0.10	ug/m3	4	30
1,4-Dioxane	<0.3000	ND	0.3000	ppbv	ND	1.081	0.090	ug/m3	NC	30
2-Butanone	0.1629	ND	1.500	ppbv	ND	4.424	0.25	ug/m3	NC	30
2-Hexanone	<0.3000	ND	0.3000	ppbv	ND	1.229	0.075	ug/m3	NC	30
<b>4-Ethyltoluene</b>	<b>1.031</b>	<b>0.9704</b>	0.3000	ppbv	<b>4.770</b>	1.475	0.043	ug/m3	6	30
4-Methyl-2-Pentanone	<0.3000	ND	0.3000	ppbv	ND	1.229	0.12	ug/m3	NC	30
<b>Acetone</b>	<b>2.324</b>	<b>2.426</b>	1.500	ppbv	<b>5.764</b>	3.563	0.18	ug/m3	4	30
<b>Freon 113</b>	<b>15.80</b>	<b>15.97</b>	0.3000	ppbv	<b>122.4</b>	2.299	0.16	ug/m3	1	30
<b>Benzene</b>	<b>0.6841</b>	<b>0.6654</b>	0.3000	ppbv	<b>2.126</b>	0.9584	0.045	ug/m3	3	30
Benzyl chloride	0.02547	ND	0.3000	ppbv	ND	1.553	0.064	ug/m3	NC	30
Bromodichloromethane	<0.3000	ND	0.3000	ppbv	ND	2.010	0.095	ug/m3	NC	30
Bromoform	<0.3000	ND	0.3000	ppbv	ND	3.101	0.25	ug/m3	NC	30
Bromomethane	<0.3000	ND	0.3000	ppbv	ND	1.165	0.14	ug/m3	NC	30
Carbon Disulfide	<0.3000	ND	0.3000	ppbv	ND	0.9341	0.053	ug/m3	NC	30
Carbon Tetrachloride	<0.3000	ND	0.3000	ppbv	ND	1.887	0.11	ug/m3	NC	30
Chlorobenzene	<0.3000	ND	0.3000	ppbv	ND	1.381	0.089	ug/m3	NC	30
Chloroethane	<0.3000	ND	0.3000	ppbv	ND	0.7916	0.17	ug/m3	NC	30
Chloroform	0.04628	ND	0.3000	ppbv	ND	1.465	0.075	ug/m3	NC	30
Chloromethane	<0.3000	ND	0.3000	ppbv	ND	0.6195	0.12	ug/m3	NC	30
cis-1,2-Dichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.189	0.071	ug/m3	NC	30
cis-1,3-Dichloropropene	<0.3000	ND	0.3000	ppbv	ND	1.362	0.16	ug/m3	NC	30
Cyclohexane	<0.3000	ND	0.3000	ppbv	ND	1.033	0.12	ug/m3	NC	30
Dibromochloromethane	<0.3000	ND	0.3000	ppbv	ND	2.556	0.12	ug/m3	NC	30
Ethyl Acetate	<0.6000	ND	0.6000	ppbv	ND	2.162	0.20	ug/m3	NC	30
<b>Ethylbenzene</b>	<b>2.433</b>	<b>2.452</b>	0.3000	ppbv	<b>10.65</b>	1.303	0.11	ug/m3	1	30
Freon 114	<0.3000	ND	0.3000	ppbv	ND	2.097	0.22	ug/m3	NC	30

## Volatile Organics in Air: Batch QC

**Lab #:** 443183

**Project#:** STANDARD

**Client:** GeoKinetics

**Location:** Fast Lane

Analyte	MSS Result	Result (V)	RL (V)	Units (V)	Result (M)	RL (M)	MDL (M)	Units (M)	RPD	Lim
Freon 12	0.2009	ND	0.3000	ppbv	ND	1.484	0.085	ug/m3	NC	30
Hexachlorobutadiene	0.06729	ND	0.3000	ppbv	ND	3.200	0.30	ug/m3	NC	30
Isopropanol (IPA)	<1.500	ND	1.500	ppbv	ND	3.687	0.11	ug/m3	NC	30
<b>m,p-Xylenes</b>	16.35	<b>16.15</b>	0.6000	ppbv	<b>70.11</b>	2.605	0.14	ug/m3	1	30
Methylene Chloride	0.5933	ND	0.7500	ppbv	ND	2.605	0.095	ug/m3	NC	30
<b>MTBE</b>	0.5240	<b>0.5535</b>	0.3000	ppbv	<b>1.996</b>	1.082	0.051	ug/m3	5	30
<b>n-Heptane</b>	0.3303	<b>0.3176</b>	0.3000	ppbv	<b>1.302</b>	1.229	0.083	ug/m3	4	30
n-Hexane	0.1084	ND	0.3000	ppbv	ND	1.057	0.067	ug/m3	NC	30
<b>o-Xylene</b>	5.216	<b>5.163</b>	0.3000	ppbv	<b>22.42</b>	1.303	0.076	ug/m3	1	30
Propylene	<0.3000	ND	0.3000	ppbv	ND	0.5163	0.042	ug/m3	NC	30
Styrene	0.07187	ND	0.3000	ppbv	ND	1.278	0.12	ug/m3	NC	30
Tetrachloroethene	0.1594	ND	0.3000	ppbv	ND	2.035	0.12	ug/m3	NC	30
<b>Toluene</b>	5.721	<b>5.672</b>	0.3000	ppbv	<b>21.38</b>	1.131	0.061	ug/m3	1	30
trans-1,2-Dichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.189	0.087	ug/m3	NC	30
trans-1,3-Dichloropropene	<0.3000	ND	0.3000	ppbv	ND	1.362	0.25	ug/m3	NC	30
Trichloroethene	<0.3000	ND	0.3000	ppbv	ND	1.612	0.13	ug/m3	NC	30
Trichlorofluoromethane	0.1381	ND	0.3000	ppbv	ND	1.686	0.13	ug/m3	NC	30
Vinyl Acetate	<1.500	ND	1.500	ppbv	ND	5.282	0.051	ug/m3	NC	30
Vinyl Chloride	<0.3000	ND	0.3000	ppbv	ND	0.7669	0.048	ug/m3	NC	30

Surrogate	%REC	Limits	Units (M)
Bromofluorobenzene	102	60-140	ug/m3

**Legend**
**NC:** Not Calculated

**ND:** Not Detected at or above MDL

**RL (V):** Reporting Limit

**RPD:** Relative Percent Difference

**Result (M):** Result in mass units

**Result (V):** Result in volume units

## **EXHIBIT G – LIST OF ENVIRONMENTAL REGULATED MATERIALS**

- NOT APPLICABLE -

## **EXHIBIT H – PORT ENVIRONMENTAL POLICIES**

### **APPLICABLE ENVIRONMENTAL POLICIES, RULES AND DIRECTIVES OF CITY'S HARBOR DEPARTMENT**

1. Port of Los Angeles Environmental Management Policy, as amended, or its successor policy. Available at: [http://www.portofla.org/img/Env\\_Mgmt\\_Policy.gif](http://www.portofla.org/img/Env_Mgmt_Policy.gif)
2. [San Pedro Bay Ports Clean Air Action Plan](http://www.cleanairactionplan.org), as amended, or its successor plan/document. Available at: <http://www.cleanairactionplan.org>.
3. Port of Los Angeles and Port of Long Beach Water Resources Action Plan or its successor plan/document. Available at [http://www.portoflosangeles.org/DOC/WRAP\\_Final.pdf](http://www.portoflosangeles.org/DOC/WRAP_Final.pdf)
4. Port of Los Angeles Green Building Policy (2007), as amended, or its successor policy.
5. Port of Los Angeles Sustainable Construction Guidelines (2008), as amended, or its successor document.
6. Resolution No. 5317 – Policy for Operation of Hazardous Waste Transfer, Storage and Disposal (TSD) Facilities on Harbor Department Property and any amendments or successor resolution.

Tenant acknowledges that City has provided copies or made copies available via the Port's website, of the above policies to the Tenant.

## EXHIBIT I – ENVIRONMENTAL COMPLIANCE REQUIREMENTS

- **CMB Maintenance** – With the exception of Parcel No. 2, Premises must be covered in Crushed Miscellaneous Base (CMB) with an appropriate depth to undertake the Permitted Uses, and shall be subject to approval by the Executive Director. Harbor Department will inspect the Premises not less than three times per year to confirm compliance with this section.
- **Timing – Ingress/Egress Paving** – CMB maintenance must be completed within six (6) months of the Effective Date of this Permit.
- **Track-Out/Dust Control** – Tenant will be responsible for control of fugitive dust in order to avoid migration of dust plumes beyond the fence line of the facility. Tenant shall also control and prevent track-out from the Premises onto adjacent roadways. If the Harbor Department, or a regulatory entity, determines it to be necessary to remove accumulated track-out generated from the Premises on adjacent roads, Tenant shall be responsible for the Harbor Department's costs to bring a street sweeper to the site to clean such roads, as well as any disposal costs related to the disposal of any materials that are removed by the sweeper that have been caused by Tenant's Permitted Use.
- **Parking of Equipment** – Any areas where heavy equipment is parked without someone inside operating the vehicle, or chassis stacked or stored, must be paved (NO CMB). Fast Lane must have an area designated for this activity if employees leave equipment/vehicles unattended on ANY of the Premises sites. Vehicles or equipment can only be parked unattended on Parcel No. 2.

## **EXHIBIT J – CITY MAINTENANCE RESPONSIBILITIES**

**NONE**

## EXHIBIT K – INSURANCE REQUIREMENTS



### INSURANCE ASSESSMENT REQUEST FORM

Send completed form in Word format to [polariskmgmt@portla.org](mailto:polariskmgmt@portla.org) for processing. Please allow up to 10 business days for completed IAR to be returned. For status inquiries, contact Risk Management at 310-732-3758.

**This section to be completed by Risk Management**

<input type="checkbox"/> No insurance required, only indemnification <input type="checkbox"/> Amendment does not require change to existing contract's insurance requirements	
INSURANCE REQUIREMENTS	LIMITS (Per Occurrence)
<input checked="" type="checkbox"/> General Liability <input checked="" type="checkbox"/> Deletion of railroad exclusion <input type="checkbox"/> Terminal Operator's Liability <input type="checkbox"/> Garage keepers Legal Liability <input type="checkbox"/> Host Liquor Liability <input type="checkbox"/> Explosion, collapse and underground hazards <input checked="" type="checkbox"/> Fire Legal Liability (Limits \$250K per occ)	\$1M
<input checked="" type="checkbox"/> Auto Liability (all autos) <input type="checkbox"/> On Hook Coverage	\$1M
<input checked="" type="checkbox"/> Workers' Compensation/Employer's Liability <input type="checkbox"/> USL&H <input checked="" type="checkbox"/> Waiver of Subrogation	STATUTORY
<input type="checkbox"/> Professional Liability <input type="checkbox"/> Medical Malpractice <input type="checkbox"/> Law Enforcement Legal Liability <input type="checkbox"/> Technology Errors & Omissions (E&O)	\$
<input checked="" type="checkbox"/> Railroad Protective Liability naming Pacific Harbor Line as the named insured	\$2M
<input type="checkbox"/> Ocean Marine Liability <input type="checkbox"/> Protective & Indemnity <input type="checkbox"/> Jones Act <input type="checkbox"/> Hull & Machinery <input type="checkbox"/> Ship Builders/Repairers Liability	\$
<input checked="" type="checkbox"/> Property/All Risk Insurance	100% replacement value over \$250K
<input type="checkbox"/> Environmental Impairment Liability	\$
<input type="checkbox"/> Builder's Risk (Reference Specification for exclusions)	Value of the project
<input type="checkbox"/> Fine Arts Insurance	Actual cash value
<input type="checkbox"/> Aviation/Airport Liability <input type="checkbox"/> Aircraft Liability (passenger liability per seat) <input type="checkbox"/> Unmanned Aircraft Systems Liability	\$

Date Reviewed: 5/4/2020

By: Chrizelle Makaena for:  
Risk Manager

RM Staff:GT

## **EXHIBIT L – LOS ANGELES ADMINISTRATIVE CODE: AFFIRMATIVE ACTION**

(These provisions are attached for Tenant reference only)

### **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 a 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 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 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 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.
- 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 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;
  - 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 work force 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 work force or replacement of those employees who

leave the work force 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.

## EXHIBIT M – RENT SUMMARY

### FAST LANE TRANSPORTATION, INC. RENT SCHEDULE PERMIT NO. 950

	Parcel No.								Monthly Rent/Period
	1	2	3	4	5	6	7	Total Area	
Area (SF)	147,254	14,471	18,205	116,932	104,158	65,038	70,856	536,914	
Time Period	Type	UNPAVED	PAVED	UNPAVED	UNPAVED	UNPAVED	UNPAVED	UNPAVED	
Effective Date - 12/31/21		\$0.27	\$0.31	\$0.27	\$0.27	\$0.27	\$0.27	\$0.27	\$145,545.62
1/1/2022 - 12/31/2022		\$0.32	\$0.36	\$0.32	\$0.32	\$0.32	\$0.32	\$0.32	\$172,391.32
1/1/2023 - 12/31/2023		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2024 - 12/31/2024		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2025 - 12/31/2025		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2026 - 12/31/2026*		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2027 - 12/31/2027		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2028 - 12/31/2028		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2029 - 12/31/2029		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2030 - 12/31/2030		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	
1/1/2031 - End Date**		+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	+CPI	

\* Year of Compensation Review (5 Years From Effective Date)

\*\*End Date is the calendar date 10 years from the Effective Date ("Termination Date")

## EXHIBIT N – TERM OPTION

It is the policy of the Board that the option to extend/terminate the term of a Lease Agreement may be negotiated during the original lease transaction. However, in no event can the sum of the initial term, plus option period(s), exceed the maximum allowable term per the City Charter and Tidelands Trust.

It is the policy of the Board that in consideration of granting an option to a Lease Agreement, certain conditions may apply as set forth below. Tenant must provide no less than nine (9) months' advance notice of the intention to exercise the Term Option.

Tenant shall pay a fee that is ten percent (10%) of the estimated annual base rent that would be due for a 12 month period effective on the 1<sup>st</sup> day of the respective month of the year that said option period is exercised ("Option Fee"), including an assumption for a CPI-U adjustment (2%) should the annual base rent calculation involve portions of the current and following year. The Term Option may only be effective upon receipt of notice by Tenant of its intention to exercise said Term Option, the notice date of which may only be the 1<sup>st</sup> day of the month. The Option Fee shall not apply to, but is in addition to, future rent and shall not be refundable once the Term Option is exercised. The Option Fee must be paid within thirty (30) days of the Tenant's notice of exercising the Term Option to be considered accepted and binding by the Harbor Department. Failure to pay the Option Fee in full within the 30-day period will result in rejection of the Tenant's request to exercise the Term Option.

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### **CALCULATION OF OPTION FEE EXAMPLE:**

- Tenant wishes to terminate the agreement per the Term Option as described in Section 3.2 Term of the Permit.
- Tenant notifies the Harbor Department of the intention to exercise the Term Option on March 22<sup>nd</sup> with an April 1<sup>st</sup> notice to terminate the Permit as of December 31<sup>st</sup> (9 months' advance notice).
- Rent is currently \$179,356.02 per month for April 1<sup>st</sup> until December 31<sup>st</sup> (months 1-9 ).
- Rent per month for the following year's remainder (months 10-12) is calculated as the monthly rent of \$179,356.02 times 1.02 ("2% Min. CPI-U assumption") for a CPI-U adjusted rent of \$182,952.32 per month for months 10-12 (January 1<sup>st</sup> to March 31<sup>st</sup> of the subsequent year).
- Tenant pays the Option Fee no later than Apr 30<sup>th</sup> (within 30 days of notice date) in the amount of \$216,303.36.

### **OPTION FEE CALCULATED AS FOLLOWS:**

$(\$179,356.02 \times 9 \text{ months in initial year}) + (\$179,356.02 \times 1.02) \times 3 \text{ months in subsequent year}$   
 $= (\$1,614,204.18) + (\$548,829.42) = \mathbf{\$2,163,033.60}$  "1 YEAR'S ESTIMATED BASE RENT"

$\$2,163,033.60 \text{ ESTIMATED BASE RENT} \times 10\% = \mathbf{\$216,303.36}$  "OPTION FEE"