

October 17, 2012

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SUBJECT: RESPONSIBLE PARTY PERJURY STATEMENT FOR ALAMEDA COUNTY FTP  
WEBSITE TECHNICAL REPORT SUBMITTAL REQUIREMENT FOR REPORTING OF  
Subsurface Investigation Report of the Former UST Site Regarding the  
Drilling of Eight Soil Borings and the Installation of a Down Gradient  
Groundwater Monitor Well for the Kawahara Nursery Located at 16550  
Ashland Ave., San Lorenzo, CA

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To Alameda County Environmental Health,

"I declare under penalty of perjury that the information and/or recommendations  
contained in the technical document designated above is true and correct to the best of  
my knowledge."



John Kawahara  
Kawahara Nursery, Inc.  
689 Burnett Ave.  
Morgan Hill, CA 95037

PHONE: (408) 640-4289  
JKawahara@KawaharaNurseries.com

**RECEIVED**

4:08 pm, Nov 01, 2012

Alameda County  
Environmental Health

**Franklin J. Goldman**

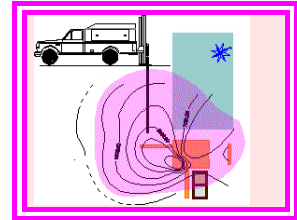
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October 16, 2012



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**SUBJECT:** Subsurface Investigation Report of former UST Location by Confirmation Soil Sampling & Down Gradient Groundwater Monitor Well Installation for the Kawahara Nursery, 16550 Ashland Ave., San Lorenzo, CA

Ms. Jakub,

The subsurface soil and groundwater sampling was performed according to the workplan received by Alameda County Environmental Health, prior to, and on July 09, 2012. Notification of the field work to be performed was provided to you (See Attachment 1).

On September 17<sup>th</sup> and 18<sup>th</sup>, 2012 eight (8) confirmation soil borings were drilled with a hollow-stem auger in the vicinity of the former underground storage tank (UST) location as identified on November 30, 2011 during a backhoe trenching subsurface investigation.

In addition, a down gradient groundwater monitor well, MW-6 was installed to define the extent of the dissolved TPHg plume west of groundwater monitor well MW-3 and to provide valid triangulation to establish the groundwater gradient flow and direction.

Laboratory results of soil sampling demonstrate that the area investigated has very little residual gasoline contamination and the residual gasoline identified is an insignificant threat to human health, the waters of the state, and the environment.

This site should be closed and the groundwater monitor wells abandoned without further delay.

Sincerely,

A handwritten signature in blue ink that reads "Franklin J. Goldman".



Frank Goldman  
Certified Hydrogeologist No. 466

## SUBSURFACE INVESTIGATION

### CONFIRMATION SOIL SAMPLING WITH COMPARATIVE ANALYTICAL RESULTS

Soil borings Z1, Z2, Z3, and Z4 were located on all four sides of the former UST excavation identified on November 30, 2011 (**SEE FIGURE 1 SOIL BOREHOLE LOCATION MAP WITH GASOLINE CONSTITUENTS IDENTIFIED IN SOIL**). Z1 thru Z4 were continuously cored, using 1 ½ foot long sample runs, and extruded into six inch long steel liners inside a split spoon sampler, with a hollow-stem auger, to a depth of 9 ½ feet bgs to verify soil stratigraphic relationships and associated hydrocarbons to a depth in excess of the bottom of the former UST pit. The entire string of continuous soil cores was screened with a photo ionization detector (PID) which detected no hydrocarbons. The soil samples analyzed from approximate mid depth and the bottom of each of the four soil borings identified no gasoline related constituents.

Z5 was drilled with a hollow-stem auger, as a confirmation soil boring, adjacent to former soil boring SB-4 where 0.87 ppm benzene was identified at a depth of 15 feet bgs on August 09, 1999. A PID was used for screening. Care was taken to identify the smear zone to collect soil samples from above, within, and below the smear zone. Samples were collected and analyzed from five (5) different depths revealing no benzene, 1.0 ppm and 110 ppm TPHg at 13 and 15 feet below ground surface (bgs), respectively. 1.4 ppm naphthalene was identified at 15 feet bgs. No gasoline related constituents were identified at the soil sample collected and analyzed from 17 ½ feet bgs. Soil sample runs were screened with a PID to a depth of 18 ½ feet bgs (**SEE APPENDIX A FOR LABORATORY DATA SHEETS FOR CONTAMINANTS IN SOIL**) & (**SEE TABLE A FOR GASOLINE CONSTITUENTS IDENTIFIED IN SOIL**).

Z6 was drilled, as a confirmation soil boring, adjacent to groundwater monitor well MW-3 where 0.20 ppm benzene was identified at a depth of 15 feet bgs on June 10, 1993. A PID was used for screening. Care was taken to identify the smear zone to collect soil samples from above, within, and below the smear zone. Samples were collected from six (6) different depths and analyzed at four of those depths revealing no benzene, and no other gasoline related constituents to a depth of 16 feet bgs. Soil sample runs were screened with a PID to a depth of 16 feet bgs

Soil borings Z5 & Z6 were drilled with a hollow-stem auger below the groundwater first encountered to prevent cross contamination of the soil samples from contact with potentially contaminated groundwater as previously identified in MW-3 at 480 ppb TPHg on 11/14/11.

Soil boring Z7 was drilled adjacent to former soil gas boring SG-10 where 0.08 ug/L benzene, as soil gas, was identified at a depth of ten (10) feet bgs on October 03, 1994. Soil sample runs were screened with a PID and samples were collected and analyzed from 4 ½ and 9 feet bgs. No gasoline related constituents were identified.

Soil boring Z8 was drilled adjacent to former soil gas boring SG-14 where 0.07 ug/L benzene, as soil gas, was identified at a depth of nine (9) feet bgs on October 03, 1994. Soil sample runs were screened with a PID and samples were collected and analyzed from 4 ½ and 9 feet bgs. No gasoline related constituents were identified.

The soil boring drilled for groundwater monitor well MW-6 was placed in the reported down gradient groundwater flow direction to help establish a more statistically valid flow direction and to help establish the down gradient extent of the residual dissolved gasoline plume (**SEE APPENDIX A FOR LABORATORY DATA SHEETS FOR CONTAMINANTS IN GROUNDWATER**). No hydrocarbon related contaminants were identified in groundwater from the sample collected from MW-6.

Soil sample runs were screened with a PID and samples collected and analyzed identified no gasoline related constituents.

Soil sample runs and soil cuttings from the smear zone were screened with a PID. Care was taken to identify the smear zone by evaluating soil cuttings from above, within, and below the smear zone. Groundwater was first encountered at an approximate depth of 10.70 feet bgs. Samples were collected and analyzed from three (3) different depths revealing no benzene, and no other gasoline related constituents to a depth of 16 feet bgs. Soil sample runs were screened with a PID to a depth of 18 ½ feet bgs

### SOIL SAMPLING PROCEDURES

A soil boring and well permit were obtained from the Alameda County Public Works Agency prior to the drilling of the eight (8) investigative soil borings and the installation of the one groundwater monitor well MW-6.

A site health and safety plan to protect site workers was prepared and provided to the Alameda County Public Works Agency field inspector during grout inspection. A health and safety meeting was held with drilling staff on site prior to the commencement of field activities. Alameda County Environmental Health staff was given a 72 hour notice prior to the initiation of field work.

The borehole locations were marked at the site in white paint prior to the commencement of drilling excavation activities for Underground Service Alert.

The soil borings were drilled with a limited access, five (5) foot wide rubber track hollow stem auger rig with an auto hammer for taking samples in the soil borings and for installing the groundwater monitor well.

Soil borings Z1 thru Z4 were drilled on all four sides of the former UST location and were continuously cored to a depth of 9 ½ feet bgs.

Each of the soil borings were drilled with an eight (8) inch diameter hollow stem auger to the sample depth. An 18 inch long split spoon soil sampler loaded with three 1 ½ inch diameter, six inch long steel liners was hammered into the hole until the full length of the liner was filled with relatively undisturbed soil core. The sampler was then pulled out of the borehole, opened, and the liner with soil was removed for inspection, sectioning with putty knife, and screened with a photo ionization detector (PID).

The next sample run was performed by cleaning out the hole with the hollow stem auger and then repeating the same sampling procedure by inserting another clean sampler and driving the sampler another 18" depth interval. This shorter sampling interval (e.g. not 4 foot long sample runs that compress the soil in the liner) guarantees 100% recovery from each zone due to lower wall friction inside the sampler. This process was

10-16-12 Kawahara Subsurface Investigation Confirmation Sampling for Former UST Mon Well Install Page 4 of 7 repeated until the desired total boring depths were attained.

All soil borehole logging was performed by a State of California licensed field geologist who will keep a detailed hydrostratigraphic log of each borehole, noting lithologic changes, hydrogeological characteristics, and sample locations (**SEE APPENDIX B FOR SOIL BORING LOGS**).

Soil sampling will be performed, where appropriate, in order to identify significant changes in soil hydrostratigraphy and to provide a sufficient representation of the distribution of contaminants in the subsurface.

Soil samples were collected for analyses from soil borings at a general minimum average distribution of (5) foot vertical intervals as well as from other depths as determined according to the feedback provided by PID screening, soil stratigraphy and hydrogeologic characteristics encountered. Soil samples were also chosen for lab analyses based upon obvious olfactory and or visual evidence of contamination.

Each soil sample chosen for lab analysis scraped flush at each end of the steel six inch long liner and was capped at each end with plastic end caps which were tightly taped to the outside of the liner wall with non-toluene duct tape. Each soil sample was labeled with a non-toxic ink field marker as to the depth and location the sample was collected, the sample number, and the project name, and inserted into a plastic Zip-Lock bag. The bagged soil samples were then placed in an ice chest at 4 degrees centigrade and transported under, proper chain of custody a State Certified laboratory. The chain-of-custody was similarly designated and included with the date and time the sample were collected as well as the depth interval. Soil samples were analyzed and reported for Gasoline Range Organics (GRO), BTEX, MTBE, and naphthalene by EPA Method 8260b.

The sampler was decontaminated before and after each use by rinsing with an Alconox solution wash and fresh tap water rinse. All rinseate water and soil waste was stored in 55 gallon DOT approved drums. The drums will be stored onsite until authorization for transport to legal point of disposal is made.

#### INSTALLATION AND CONSTRUCTION OF GROUNDWATER MONITOR WELL MW-6

**(SEE FIGURE 1 FOR MAP OF THE ESTIMATED LOCATION OF GROUNDWATER MONITOR WELL MW-6 BASED ON REPORTING BY TRINITY AND BLYMER ) & (SEE FIGURE 3 FOR LOCATION OF MW-6 BASED ON NEW CERTIFIED LAND SURVEY).**

The soil boring for groundwater monitor well MW-6 was drilled to a depth of 18 ½ feet bgs with an eight (8) inch diameter hollow-stem auger. The screen was set between 7 and 17 feet bgs to complement the fact that the depth to groundwater has been rarely been less than seven (7) feet bgs in nearby groundwater monitor wells MW-3 and MW-5.

Groundwater was first encountered at a depth of 10.70 feet bgs at 12:45 pm and had stabilized to approximately 10.55 feet bgs by 2:00 pm. By 2:45 pm the depth to water was 10:52 feet bgs demonstrating a general stabilization.

After the borehole was drilled to a depth of 17 feet bgs and the final soil sample run

from 17 to 18 ½ feet bgs was completed, the bottom of the borehole was tagged to identify any obstructions or caving, and depth to groundwater level measurements were completed, the well was constructed in the open borehole.

The groundwater monitor well was constructed with a two (2) inch diameter threaded schedule 40 PVC well casing consisting of an approximate ten (10) foot long section of 0.020-inch factory-slotted well screen. The blank PVC casing extended from approximately ½ foot to 7 feet bgs. The screened interval was from approximately 7 to 17 feet bgs. The 17 foot long casing string was placed inside to the bottom of the open borehole tagged at 17 feet bgs.

A #212 grade sand was used to construct the well filter pack which will extended to one (1) foot above the last screened slot (e.g. between 6 to 7 feet bgs). The sand was slowly poured down the annular space and tagged with a down-hole tape until sufficiently settled to within one foot above the top of the screen. The augers were gradually pulled up and the top of the sand measured for depth to make sure there was no bridging.

An approximate 2-foot thick bentonite seal spacer seal was placed above the sand pack (e.g. between 4 and 6 feet bgs) in the monitor well. The bentonite seal was placed on top of the sand, by pouring the bentonite pellets, in very small lifts, that were gradually hydrated in place, in the annular space, as they were dropped to the top of the sand and tagged with a measuring tape to secure the proposed depth and thickness.

A cement grout surface seal was placed above the bentonite to within 6 inches of the grout surface (e.g. between ½ foot and 4 feet bgs). A County approved Type II cement bentonite grout was then poured from the bottom up to within approximately ½ foot from the top of the surface cover. The grout was then allowed to cure before applying a continuous concrete pour which was placed on top of the grout to the surface where it was finished with a flush concrete apron around a well box and locking well cap. The top few inches a casing were trimmed so as to make from room for the well cover inside the well box. The concreted well head was finished from the top of the grout with a locking cap and traffic rated street vault completed and raised above the existing surface to prevent ponding of surface around the well box (**SEE FIGURE 2 FOR GROUNDWATER MONITOR WELL DETAIL FOR WELL MW-6**). The completed well was then developed 72 hours after the well head had been constructed and the groundwater sampling was performed more than 72 hours later.

#### GROUNDWATER MONITOR WELL DEVELOPMENT AND LAND SURVEY

On September 21, 2012, the newly installed well MW-6 was swabbed, bailed and pumped by a qualified field technician from Clear Heart drilling until the water was relatively clear more than 72 hours after well installation which was completed on September 18, 2012.

On September 28, 2012, more than 72 hours after well development was completed, groundwater monitor well MW-6 was sampled.

On October 04, 2012, a water level meter was used to measure the depth to groundwater in the newly constructed well MW-6 as well as MW-3, MW-4, and MW-5. The measurements were read to the nearest 100th of a foot from the top of casing.

A certified land survey of the top of casing locations and elevations was performed for MW-6 as well as the other three monitor wells on site. The well points were tied into one another and into other site landmarks. Some of the top of casing elevations changed relative to past reference datum, however, not significant enough to change the general historical groundwater gradient flow direction. MW-5 was identified with a TOC of 41.24 feet elevation instead of 41.49 and MW-3 was identified with a TOC of 42.62 feet elevation instead of 42.86 based upon a benchmark check nearby. MW-4 had a TOC of 43.58 feet elevation and MW-6 had a TOC of 42.15 feet elevation. In addition, the orientation of the residence and the direction of the north arrow, as reported in past technical reports by Trinity and Blymer, appears to be changed, however, not significant enough to change the general historical groundwater gradient flow direction.

The groundwater gradient flow was calculated at 0.004 to the northwest (**SEE FIGURE 3 FOR GROUNDWATER GRADIENT FLOW AND DIRECTION MAP ON NEW CERTIFIED LAND SURVEY**).

### GROUNDWATER MONITOR WELL PURGING AND GROUNDWATER SAMPLING PROCEDURES

On September 28, 2012, more than 72 hours after well development was completed, a water level meter was used to measure the depth to groundwater in the newly installed groundwater monitor well prior to purging and sampling. The measurement was read to the nearest 100th of a foot from the top of casing. A reference top of casing elevation of approximately 42.50 feet was assumed prior to the land survey which was performed on October 04, 2012 which confirmed a TOC of 42.15' for MW-6.

The new well, MW-6, was then purged with a 1½ inch diameter weighted, plastic, disposable bailer to obtain a representative groundwater sample. The well was purged of approximately three (3) or more well casing volumes allowing the water level to recover to at least 80% of the original, static level. Temperature, electrical conductivity, and pH was be monitored during each purging, so that the three parameters were within a 10% error difference from one another, over a minimum of three consecutive readings. The data was used to verify that water has been removed from well casing storage and that the well water was representative of the aquifer, prior to sampling. Well purging logs are provided (**SEE APPENDIX C FOR WELL PURGING LOG FOR GROUNDWATER MONITOR WELL MW-6**).

Water samples were collected by lowering a weighted plastic disposable check valve bailer down the center of the PVC well casing after the static water level had recovered to at least 80% of its original static water level. Water samples were collected by lowering a plastic disposable check valve bailer down the center of the well casing and then pulled to the surface to be decanted from the bottom of the bailer by temporarily unplugging the check valve, with a low flow bottom draining plastic tube inserted into the bottom of the bailer, until water flowed freely into the glass sample container.

The groundwater sample was contained in, three (3), 40-milliliter VOA vials for VOC analyses. The sample bottles were contained in an HCL preservative provided by the laboratory. The filled sample bottles were inverted and inspected for air bubbles prior

and labeled with a non-toxic ink field marker as to the time and location the sample was collected, the sample number, and the project name, and inserted into a plastic bubble wrap bag provided by the laboratory.

The groundwater sample was then placed on ice in an ice chest at 4 degrees centigrade and transported under, proper chain of custody a State Certified laboratory. The chain-of-custody was similarly designated and included with the date and time the sample was collected as well as the sample well designation and project name.

The water sample was analyzed for Gasoline Ranged Organics (GRO) and BTEX, MTBE, and naphthalene by EPA Method 8260b and delivered, under chain-of-custody procedures, to American Analytics, Inc. of Chatsworth, California, a State-certified analytical laboratory.

## ANALYTICAL RESULTS

1.0 ppm and 110 ppm TPHg were identified at 13 and 15 feet below ground surface (bgs), respectively in Z5. 1.4 ppm naphthalene was identified at 15 feet bgs in Z5. No hydrocarbons were identified anywhere else in the investigation area.

No dissolved hydrocarbons were identified in MW-6.

## FIELD CLEANUP

Soil waste, rinseate water, and monitor well development and purge water were placed in properly labeled 55 gallon Department of Transportation (DOT) approved drums left on-site for transport to a legal point of disposal.

## CONCLUSIONS AND RECOMMENDATIONS

Residual gasoline related contamination is insignificant.  
Close the site and properly abandon the existing groundwater monitor wells.

## LIMITATIONS

This report has been prepared in accordance with generally accepted environmental, geological and engineering practices. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analyses, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of the investigation and they are subject to change. The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. All users of this technical report, recognize that the limited scope of services performed in execution of this investigation may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein, is done so at the sole risk of the said user.



**Map of Gasoline Identified in Soil from Subsurface Investigation Performed on 09 17 & 18, 2012.**

**Figure 1**

**Kawahara Nursery  
16550 Ashland Ave  
San Lorenzo, CA**

ANO STREET

MW-5

| MW-6   | 9/18/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 5½     | <0.5    | <0.002 | <0.010  |             |
| 9½     | <0.5    | <0.002 | <0.010  |             |
| 17½    | <0.5    | <0.002 | <0.010  |             |

RESIDENCE

Approximate limits of trenching excavation performed on 11-30-2011

| Z-8    | 9/17/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 4½     | <0.5    | <0.002 | <0.010  |             |
| 9      | <0.5    | <0.002 | <0.010  |             |

SB-7

| Z-1    | 9/17/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 6      | <0.5    | <0.002 | <0.010  |             |
| 9      | <0.5    | <0.002 | <0.010  |             |

SB-6

Z8

| Z-2    | 9/17/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 6      | <0.5    | <0.002 | <0.010  |             |
| 8½     | <0.5    | <0.002 | <0.010  |             |

LATH HOUSE

Approximate limits of former gasoline UST excavation

| Z-6    | 9/18/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 11     | <0.5    | <0.002 | <0.010  |             |
| 12½    | <0.5    | <0.002 | <0.010  |             |
| 15     | <0.5    | <0.002 | <0.010  |             |
| 15½    | <0.5    | <0.002 | <0.010  |             |

Z2

MW-3

Z6

Z7

| Z-7    | 9/17/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 4½     | <0.5    | <0.002 | <0.010  |             |
| 9      | <0.5    | <0.002 | <0.010  |             |

SB-3

SB-8

Direction of north arrow is approximated as interpolated between maps produced by Trinity Source Group & Blymer Engineers technical reports; use or reuse is done at the risk of the user.

| Z-5    | 9/18/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 6      | <0.5    | <0.002 | <0.010  |             |
| 11     | <0.5    | <0.002 | <0.010  |             |
| 13     | 1.0     | <0.002 | <0.010  |             |
| 15     | 110.0   | <0.200 | 1.4     |             |
| 17½    | <0.5    | <0.002 | <0.010  |             |

| Z-4    | 9/17/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 5½     | <0.5    | <0.002 | <0.010  |             |
| 9      | <0.5    | <0.002 | <0.010  |             |

Scale in feet. Map data and locations are approximated as interpolated between maps produced by Trinity Source Group & Blymer Engineers technical reports; use or reuse is done at the risk of the user.

MW-6

**GREENHOUSE**  
Approx. Scale in Feet

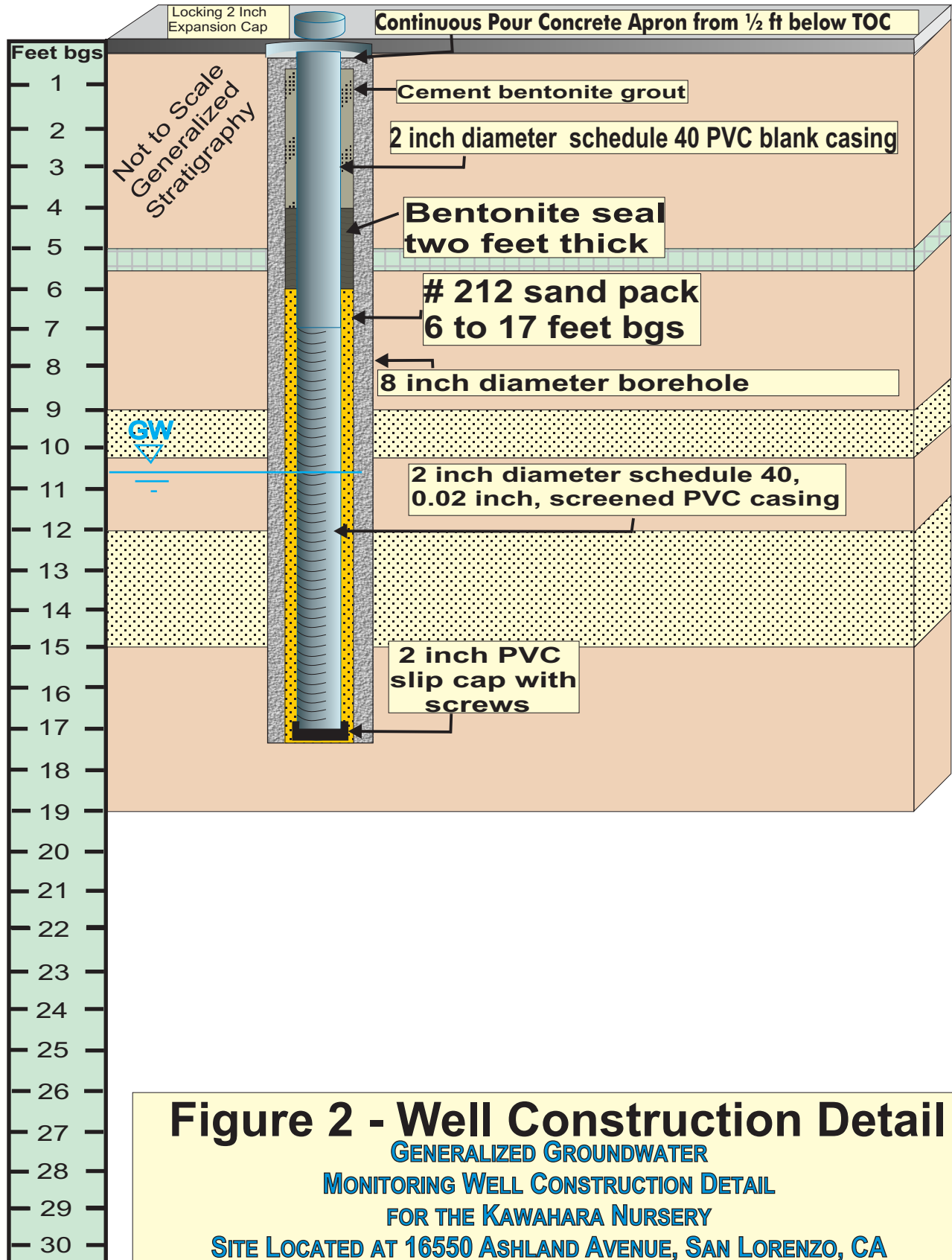
0 10 20 30

| Z-3    | 9/17/12 |        |         |             |
|--------|---------|--------|---------|-------------|
| ft bgs | ppm     | TPHg   | Benzene | Naphthalene |
| 5½     | <0.5    | <0.002 | <0.010  |             |
| 9      | <0.5    | <0.002 | <0.010  |             |

Supply Well

GARAGE

# MW-6



Groundwater Gradient Flow and Direction  
 Superimposed over Certified Land Survey  
 Thursday October 04, 2012  
 FOR THE KAWAHARA NURSERY  
 SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA

ACCURATE LAND SOLUTIONS  
 1271 WASHINGTON AVE, #533, SAN LEANDRO, CA 94577  
 (510) 553-9700 FAX 1-866-231-6637

TOPOGRAPHIC SURVEY  
 APN 413-0023-067  
 ALAMEDA COUNTY

Kawahara Nursery  
 16550 Ashland Ave  
 San Lorenzo, CA

FILENAME: TOPO  
 CHECKED BY:  
 DRAWN BY: RAK  
 PROJECT NO. 2012.047  
 SHEET NO.

1 of 1

Groundwater  
 Flow Direction  
 $0.5/125' = 0.004$

MW-5  
 TOC 41.24  
 DTW (ft) -9.48  
 31.76'

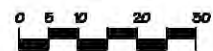
MW-6  
 TOC 42.15  
 DTW (ft) -10.46  
 31.69'

MW-3  
 TOC 42.62  
 DTW (ft) -10.64  
 31.98'

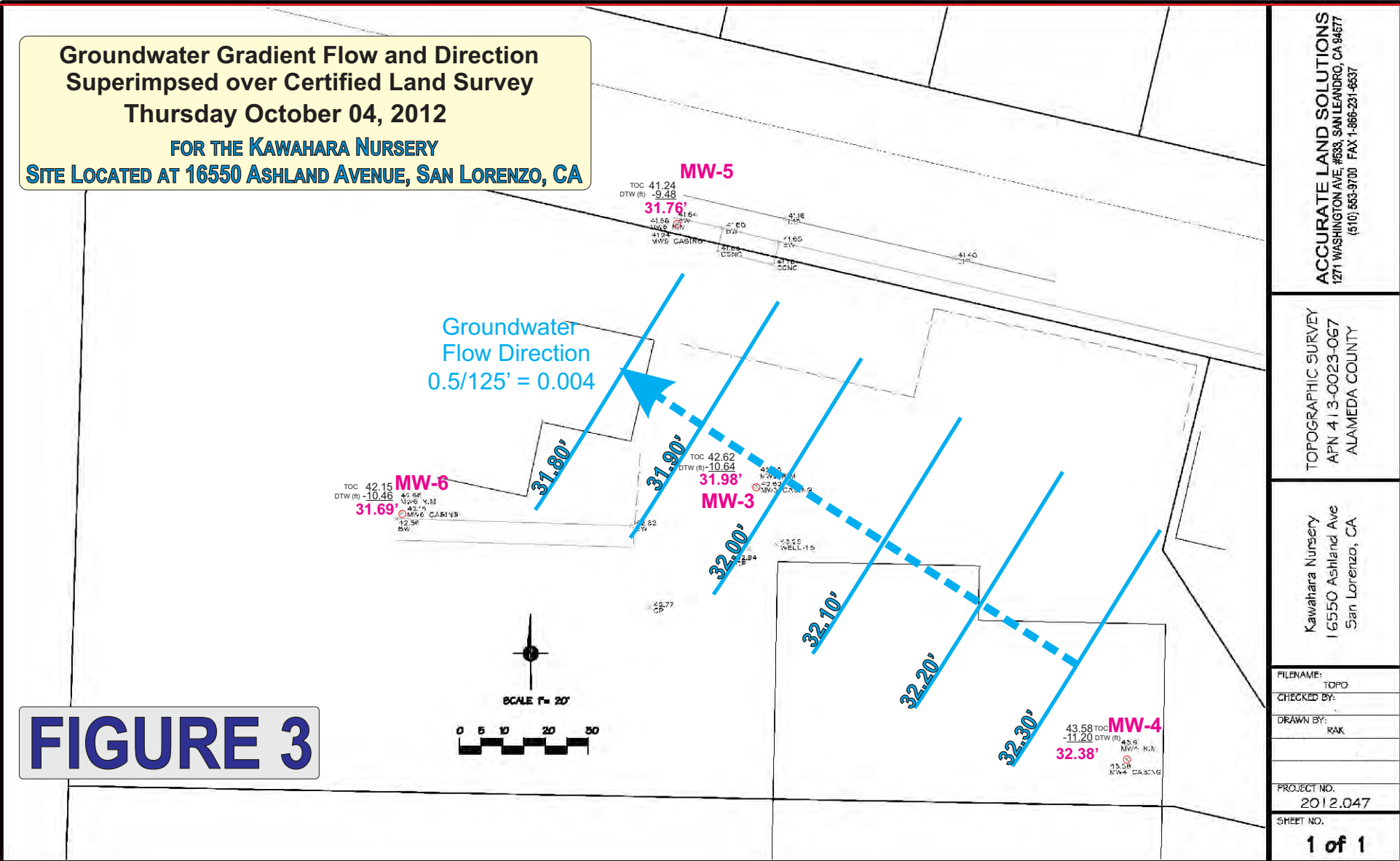
MW-4  
 TOC 43.58  
 DTW (ft) -11.20  
 32.38'



SCALE 1" = 20'



**FIGURE 3**



# Table A

## Concentrations of Fuel Hydrocarbons in Soil (ppm)

### Kawahara Nursery

### 16550 Ashland Ave, San Lorenzo, CA

| Sample ID | Date    | ft bgs | TPHg         | Naphthalene | Benzene | Toluene | Ethyl Benzene | Xylenes      |
|-----------|---------|--------|--------------|-------------|---------|---------|---------------|--------------|
| Z-1       | 9/17/12 | 6      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 8½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-2       | 9/17/12 | 6      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 8½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-3       | 9/17/12 | 5½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-4       | 9/17/12 | 5½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-5       | 9/18/12 | 6      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 11     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 13     | <b>1.0</b>   | <0.010      | <0.002  | <0.002  | <b>0.025</b>  | <0.002       |
|           |         | 15     | <b>110.0</b> | <b>1.4</b>  | <0.200  | <0.200  | <b>0.230</b>  | <b>1.810</b> |
|           |         | 17½    | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-6       | 9/18/12 | 11     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 12½    | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 15     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 15½    | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 15½    | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-7       | 9/17/12 | 4½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| Z-8       | 9/17/12 | 4½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9      | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
| MW-6      | 9/18/12 | 5½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 9½     | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 17½    | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |
|           |         | 17½    | <0.5         | <0.010      | <0.002  | <0.002  | <0.002        | <0.002       |

# Appendix A

## Lab Data Sheets



9765 Eton Avenue  
Chatsworth  
California 91311  
Tel: (818) 998-5547  
Fax: (818) 998-7258

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October 15, 2012

Kawahara Nursery  
Kawahara Nursery  
16550 Ashland  
San Lorenzo, CA 99999

**Re : Kawahara Nursery**  
**A87301 / 2I25002**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 09/25/12 11:05 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analyticals.

Sincerely,

A handwritten signature in black ink that reads 'Eydie Schwartz'.

Eydie Schwartz  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12

| Sample ID                    | Laboratory ID | Matrix | TAT | Date Sampled   | Date Received  |
|------------------------------|---------------|--------|-----|----------------|----------------|
| <b><u>8260B+OXY+TPHG</u></b> |               |        |     |                |                |
| Z4 5 1/2-6                   | 2I25002-02    | Soil   | 5   | 09/17/12 13:05 | 09/25/12 11:05 |
| Z4 9-9 1/2                   | 2I25002-04    | Soil   | 5   | 09/17/12 13:15 | 09/25/12 11:05 |
| Z3 5 1/2-6                   | 2I25002-06    | Soil   | 5   | 09/17/12 13:35 | 09/25/12 11:05 |
| Z3 9-9 1/2                   | 2I25002-08    | Soil   | 5   | 09/17/12 13:45 | 09/25/12 11:05 |
| Z2 6-6 1/2                   | 2I25002-10    | Soil   | 5   | 09/17/12 14:35 | 09/25/12 11:05 |
| Z2 8 1/2-9                   | 2I25002-12    | Soil   | 5   | 09/17/12 14:45 | 09/25/12 11:05 |
| Z1 6-6 1/2                   | 2I25002-14    | Soil   | 5   | 09/17/12 15:15 | 09/25/12 11:05 |
| Z1 9-9 1/2                   | 2I25002-16    | Soil   | 5   | 09/17/12 15:25 | 09/25/12 11:05 |
| Z7 4 1/2-5                   | 2I25002-17    | Soil   | 5   | 09/17/12 15:30 | 09/25/12 11:05 |
| Z7 9-9 1/2                   | 2I25002-18    | Soil   | 5   | 09/17/12 15:40 | 09/25/12 11:05 |
| Z8 4 1/2-5                   | 2I25002-19    | Soil   | 5   | 09/17/12 16:00 | 09/25/12 11:05 |
| Z8 9-9 1/2                   | 2I25002-20    | Soil   | 5   | 09/17/12 16:10 | 09/25/12 11:05 |
| Z6 11-11 1/2                 | 2I25002-22    | Soil   | 5   | 09/18/12 08:50 | 09/25/12 11:05 |
| Z6 12 1/2-13                 | 2I25002-23    | Soil   | 5   | 09/18/12 08:55 | 09/25/12 11:05 |
| Z6 15-15 1/2                 | 2I25002-25    | Soil   | 5   | 09/18/12 09:10 | 09/25/12 11:05 |
| Z6 15 1/2-16                 | 2I25002-26    | Soil   | 5   | 09/18/12 09:15 | 09/25/12 11:05 |
| Z5 6-6 1/2                   | 2I25002-27    | Soil   | 5   | 09/18/12 09:40 | 09/25/12 11:05 |
| Z5 11-11 1/2                 | 2I25002-28    | Soil   | 5   | 09/18/12 09:45 | 09/25/12 11:05 |
| Z5 13-13 1/2                 | 2I25002-29    | Soil   | 5   | 09/18/12 09:55 | 09/25/12 11:05 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12

| Sample ID      | Laboratory ID | Matrix | TAT | Date Sampled   | Date Received  |
|----------------|---------------|--------|-----|----------------|----------------|
| Z5 15-15 1/2   | 2I25002-30    | Soil   | 5   | 09/18/12 10:00 | 09/25/12 11:05 |
| Z5 17 1/2-18   | 2I25002-31    | Soil   | 5   | 09/18/12 10:10 | 09/25/12 11:05 |
| MW-6 5 1/2-6   | 2I25002-32    | Soil   | 5   | 09/18/12 12:05 | 09/25/12 11:05 |
| MW-6 9 1/2-10  | 2I25002-33    | Soil   | 5   | 09/18/12 12:10 | 09/25/12 11:05 |
| MW-6 17 1/2-18 | 2I25002-34    | Soil   | 5   | 09/18/12 12:20 | 09/25/12 11:05 |

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager





### LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
Project No: NA  
Project Name: Kawahara Nursery

AA Project No: A87301  
Date Received: 09/25/12  
Date Reported: 10/15/12

#### ANALYTICAL DATA SUMMARY

| Analyte                                      | Sample Name  | Result        | MRL   | Units | Dilution | Prepared | Analyzed | Method    |
|--|--------------|---------------|-------|-------|----------|----------|----------|-----------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS</b> |              |               |       |       |          |          |          |           |
| sec-Butylbenzene                             | Z5 13-13 1/2 | <b>13</b>     | 5.0   | ug/kg | 1        | 09/26/12 | 09/27/12 | EPA 8260B |
| n-Butylbenzene                               | Z5 13-13 1/2 | <b>18</b>     | 5.0   | ug/kg | 1        | 09/26/12 | 09/27/12 | EPA 8260B |
| Ethylbenzene                                 | Z5 13-13 1/2 | <b>25</b>     | 2.0   | ug/kg | 1        | 09/26/12 | 09/27/12 | EPA 8260B |
| Gasoline Range Organics (GRO)                | Z5 13-13 1/2 | <b>1000</b>   | 500   | ug/kg | 1        | 09/26/12 | 09/27/12 | EPA 8260B |
| Isopropylbenzene                             | Z5 13-13 1/2 | <b>18</b>     | 5.0   | ug/kg | 1        | 09/26/12 | 09/27/12 | EPA 8260B |
| n-Propylbenzene                              | Z5 13-13 1/2 | <b>24</b>     | 5.0   | ug/kg | 1        | 09/26/12 | 09/27/12 | EPA 8260B |
| n-Butylbenzene                               | Z5 15-15 1/2 | <b>1300</b>   | 500   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| Ethylbenzene                                 | Z5 15-15 1/2 | <b>230</b>    | 200   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| Gasoline Range Organics (GRO)                | Z5 15-15 1/2 | <b>110000</b> | 50000 | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| Naphthalene                                  | Z5 15-15 1/2 | <b>1400</b>   | 1000  | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| n-Propylbenzene                              | Z5 15-15 1/2 | <b>1000</b>   | 500   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| 1,3,5-Trimethylbenzene                       | Z5 15-15 1/2 | <b>2100</b>   | 500   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| 1,2,4-Trimethylbenzene                       | Z5 15-15 1/2 | <b>7600</b>   | 500   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| o-Xylene                                     | Z5 15-15 1/2 | <b>210</b>    | 200   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |
| m,p-Xylenes                                  | Z5 15-15 1/2 | <b>1600</b>   | 200   | ug/kg | 100      | 09/28/12 | 09/28/12 | EPA 8260B |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12  
**Units:** ug/kg

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-02 | 2I25002-04 | 2I25002-06 | 2I25002-08 |     |
| <b>Client ID No:</b>    | Z4 5 1/2-6 | Z4 9-9 I/2 | Z3 5 1/2-6 | Z3 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

#### 8260B+OXY+TPHG (EPA 8260B)

|                               |      |      |      |      |     |
|-------------------------------|------|------|------|------|-----|
| Acetone                       | <50  | <50  | <50  | <50  | 50  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Benzene                       | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Bromobenzene                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromochloromethane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromodichloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromoform                     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromomethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Butanone (MEK)              | <50  | <50  | <50  | <50  | 50  |
| tert-Butyl alcohol (TBA)      | <20  | <20  | <20  | <20  | 20  |
| tert-Butylbenzene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| sec-Butylbenzene              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| n-Butylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Disulfide              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Tetrachloride          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chlorobenzene                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroform                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloromethane                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromo-3-chloropropane   | <10  | <10  | <10  | <10  | 10  |
| Dibromochloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromoethane (EDB)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dibromomethane                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



**LABORATORY ANALYSIS RESULTS**

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12  
**Units:** ug/kg

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-02 | 2I25002-04 | 2I25002-06 | 2I25002-08 |     |
| <b>Client ID No:</b>    | Z4 5 1/2-6 | Z4 9-9 I/2 | Z3 5 1/2-6 | Z3 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

**8260B+OXY+TPHG (EPA 8260B) (continued)**

|                                |      |      |      |      |     |
|--------------------------------|------|------|------|------|-----|
| 1,4-Dichlorobenzene            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dichlorodifluoromethane (R12)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethane             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloroethane (EDC)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,2-Dichloroethylene     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,2-Dichloroethylene       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethylene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloropropylene          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,3-Dichloropropylene    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,3-Dichloropropylene      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Diisopropyl ether (DIPE)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Ethylbenzene                   | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Ethyl-tert-Butyl Ether (ETBE)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Gasoline Range Organics (GRO)  | <500 | <500 | <500 | <500 | 500 |
| Hexachlorobutadiene            | <10  | <10  | <10  | <10  | 10  |
| 2-Hexanone (MBK)               | <50  | <50  | <50  | <50  | 50  |
| Isopropylbenzene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Isopropyltoluene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methyl-tert-Butyl Ether (MTBE) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methylene Chloride             | <50  | <50  | <50  | <50  | 50  |
| 4-Methyl-2-pentanone (MIBK)    | <50  | <50  | <50  | <50  | 50  |
| Naphthalene                    | <10  | <10  | <10  | <10  | 10  |
| n-Propylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-02 | 2I25002-04 | 2I25002-06 | 2I25002-08 |     |
| <b>Client ID No:</b>    | Z4 5 1/2-6 | Z4 9-9 I/2 | Z3 5 1/2-6 | Z3 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

**8260B+OXY+TPHG (EPA 8260B) (continued)**

|  |      |      |      |      |     |
|--|------|------|------|------|-----|
| Styrene                                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Tetrachloroethylene (PCE)                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Toluene                                      | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| 1,2,4-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichloroethylene (TCE)                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichlorofluoromethane (R11)                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichloropropane                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3,5-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,4-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Vinyl chloride                               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| o-Xylene                                     | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| m,p-Xylenes                                  | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |

| <u>Surrogates</u>    |      |      |      |      | <u>%REC Limits</u> |
|----------------------|------|------|------|------|--------------------|
| 4-Bromofluorobenzene | 131% | 123% | 131% | 126% | 70-140             |
| Dibromofluoromethane | 104% | 101% | 106% | 101% | 70-140             |
| Toluene-d8           | 105% | 104% | 105% | 105% | 70-140             |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12  
**Units:** ug/kg

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-10 | 2I25002-12 | 2I25002-14 | 2I25002-16 |     |
| <b>Client ID No:</b>    | Z2 6-6 1/2 | Z2 8 1/2-9 | Z1 6-6 1/2 | Z1 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

#### 8260B+OXY+TPHG (EPA 8260B)

|                               |      |      |      |      |     |
|-------------------------------|------|------|------|------|-----|
| Acetone                       | <50  | <50  | <50  | <50  | 50  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Benzene                       | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Bromobenzene                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromochloromethane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromodichloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromoform                     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromomethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Butanone (MEK)              | <50  | <50  | <50  | <50  | 50  |
| tert-Butyl alcohol (TBA)      | <20  | <20  | <20  | <20  | 20  |
| tert-Butylbenzene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| sec-Butylbenzene              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| n-Butylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Disulfide              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Tetrachloride          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chlorobenzene                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroform                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloromethane                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromo-3-chloropropane   | <10  | <10  | <10  | <10  | 10  |
| Dibromochloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromoethane (EDB)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dibromomethane                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12  
**Units:** ug/kg

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-10 | 2I25002-12 | 2I25002-14 | 2I25002-16 |     |
| <b>Client ID No:</b>    | Z2 6-6 1/2 | Z2 8 1/2-9 | Z1 6-6 1/2 | Z1 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

**8260B+OXY+TPHG (EPA 8260B) (continued)**

|                                |      |      |      |      |     |
|--------------------------------|------|------|------|------|-----|
| 1,4-Dichlorobenzene            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dichlorodifluoromethane (R12)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethane             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloroethane (EDC)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,2-Dichloroethylene     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,2-Dichloroethylene       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethylene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloropropylene          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,3-Dichloropropylene    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,3-Dichloropropylene      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Diisopropyl ether (DIPE)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Ethylbenzene                   | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Ethyl-tert-Butyl Ether (ETBE)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Gasoline Range Organics (GRO)  | <500 | <500 | <500 | <500 | 500 |
| Hexachlorobutadiene            | <10  | <10  | <10  | <10  | 10  |
| 2-Hexanone (MBK)               | <50  | <50  | <50  | <50  | 50  |
| Isopropylbenzene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Isopropyltoluene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methyl-tert-Butyl Ether (MTBE) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methylene Chloride             | <50  | <50  | <50  | <50  | 50  |
| 4-Methyl-2-pentanone (MIBK)    | <50  | <50  | <50  | <50  | 50  |
| Naphthalene                    | <10  | <10  | <10  | <10  | 10  |
| n-Propylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-10 | 2I25002-12 | 2I25002-14 | 2I25002-16 |     |
| <b>Client ID No:</b>    | Z2 6-6 1/2 | Z2 8 1/2-9 | Z1 6-6 1/2 | Z1 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|  |      |      |      |      |     |
|--|------|------|------|------|-----|
| Styrene                                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Tetrachloroethylene (PCE)                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Toluene                                      | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| 1,2,4-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichloroethylene (TCE)                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichlorofluoromethane (R11)                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichloropropane                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3,5-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,4-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Vinyl chloride                               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| o-Xylene                                     | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| m,p-Xylenes                                  | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |

| <u>Surrogates</u>    |      |      |      |      | <u>%REC Limits</u> |
|----------------------|------|------|------|------|--------------------|
| 4-Bromofluorobenzene | 128% | 128% | 127% | 131% | 70-140             |
| Dibromofluoromethane | 111% | 103% | 105% | 105% | 70-140             |
| Toluene-d8           | 105% | 104% | 103% | 105% | 70-140             |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-17 | 2I25002-18 | 2I25002-19 | 2I25002-20 |     |
| <b>Client ID No:</b>    | Z7 4 1/2-5 | Z7 9-9 1/2 | Z8 4 1/2-5 | Z8 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

### 8260B+OXY+TPHG (EPA 8260B)

|                               |      |      |      |      |     |
|-------------------------------|------|------|------|------|-----|
| Acetone                       | <50  | <50  | <50  | <50  | 50  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Benzene                       | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Bromobenzene                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromochloromethane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromodichloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromoform                     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromomethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Butanone (MEK)              | <50  | <50  | <50  | <50  | 50  |
| tert-Butyl alcohol (TBA)      | <20  | <20  | <20  | <20  | 20  |
| tert-Butylbenzene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| sec-Butylbenzene              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| n-Butylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Disulfide              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Tetrachloride          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chlorobenzene                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroform                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloromethane                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromo-3-chloropropane   | <10  | <10  | <10  | <10  | 10  |
| Dibromochloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromoethane (EDB)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dibromomethane                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager





## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-17 | 2I25002-18 | 2I25002-19 | 2I25002-20 |     |
| <b>Client ID No:</b>    | Z7 4 1/2-5 | Z7 9-9 1/2 | Z8 4 1/2-5 | Z8 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|                                |      |      |      |      |     |
|--------------------------------|------|------|------|------|-----|
| 1,4-Dichlorobenzene            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dichlorodifluoromethane (R12)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethane             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloroethane (EDC)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,2-Dichloroethylene     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,2-Dichloroethylene       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethylene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloropropylene          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,3-Dichloropropylene    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,3-Dichloropropylene      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Diisopropyl ether (DIPE)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Ethylbenzene                   | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Ethyl-tert-Butyl Ether (ETBE)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Gasoline Range Organics (GRO)  | <500 | <500 | <500 | <500 | 500 |
| Hexachlorobutadiene            | <10  | <10  | <10  | <10  | 10  |
| 2-Hexanone (MBK)               | <50  | <50  | <50  | <50  | 50  |
| Isopropylbenzene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Isopropyltoluene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methyl-tert-Butyl Ether (MTBE) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methylene Chloride             | <50  | <50  | <50  | <50  | 50  |
| 4-Methyl-2-pentanone (MIBK)    | <50  | <50  | <50  | <50  | 50  |
| Naphthalene                    | <10  | <10  | <10  | <10  | 10  |
| n-Propylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |            |            |            |     |
|-------------------------|------------|------------|------------|------------|-----|
| <b>Date Sampled:</b>    | 09/17/12   | 09/17/12   | 09/17/12   | 09/17/12   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>Date Analyzed:</b>   | 09/26/12   | 09/26/12   | 09/26/12   | 09/26/12   |     |
| <b>AA ID No:</b>        | 2I25002-17 | 2I25002-18 | 2I25002-19 | 2I25002-20 |     |
| <b>Client ID No:</b>    | Z7 4 1/2-5 | Z7 9-9 1/2 | Z8 4 1/2-5 | Z8 9-9 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil       | Soil       | Soil       |     |
| <b>Dilution Factor:</b> | 1          | 1          | 1          | 1          | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|  |      |      |      |      |     |
|--|------|------|------|------|-----|
| Styrene                                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Tetrachloroethylene (PCE)                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Toluene                                      | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| 1,2,4-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichloroethylene (TCE)                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichlorofluoromethane (R11)                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichloropropane                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3,5-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,4-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Vinyl chloride                               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| o-Xylene                                     | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| m,p-Xylenes                                  | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |

| <u>Surrogates</u>    |      |      |      |      | <u>%REC Limits</u> |
|----------------------|------|------|------|------|--------------------|
| 4-Bromofluorobenzene | 133% | 126% | 112% | 132% | 70-140             |
| Dibromofluoromethane | 105% | 103% | 112% | 109% | 70-140             |
| Toluene-d8           | 109% | 105% | 109% | 99%  | 70-140             |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|
| <b>Date Sampled:</b>    | 09/18/12     | 09/18/12     | 09/18/12     | 09/18/12     |
| <b>Date Prepared:</b>   | 09/26/12     | 09/26/12     | 09/26/12     | 09/26/12     |
| <b>Date Analyzed:</b>   | 09/26/12     | 09/26/12     | 09/26/12     | 09/27/12     |
| <b>AA ID No:</b>        | 2I25002-22   | 2I25002-23   | 2I25002-25   | 2I25002-26   |
| <b>Client ID No:</b>    | Z6 11-11 1/2 | Z6 12 1/2-13 | Z6 15-15 1/2 | Z6 15 1/2-16 |
| <b>Matrix:</b>          | Soil         | Soil         | Soil         | Soil         |
| <b>Dilution Factor:</b> | 1            | 1            | 1            | 1            |

MRL

### 8260B+OXY+TPHG (EPA 8260B)

|                               |      |      |      |      |     |
|-------------------------------|------|------|------|------|-----|
| Acetone                       | <50  | <50  | <50  | <50  | 50  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Benzene                       | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Bromobenzene                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromochloromethane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromodichloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromoform                     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromomethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Butanone (MEK)              | <50  | <50  | <50  | <50  | 50  |
| tert-Butyl alcohol (TBA)      | <20  | <20  | <20  | <20  | 20  |
| tert-Butylbenzene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| sec-Butylbenzene              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| n-Butylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Disulfide              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Tetrachloride          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chlorobenzene                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroform                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloromethane                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromo-3-chloropropane   | <10  | <10  | <10  | <10  | 10  |
| Dibromochloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromoethane (EDB)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dibromomethane                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

Eydie Schwartz

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |              |              |              |              |     |
|-------------------------|--------------|--------------|--------------|--------------|-----|
| <b>Date Sampled:</b>    | 09/18/12     | 09/18/12     | 09/18/12     | 09/18/12     |     |
| <b>Date Prepared:</b>   | 09/26/12     | 09/26/12     | 09/26/12     | 09/26/12     |     |
| <b>Date Analyzed:</b>   | 09/26/12     | 09/26/12     | 09/26/12     | 09/27/12     |     |
| <b>AA ID No:</b>        | 2I25002-22   | 2I25002-23   | 2I25002-25   | 2I25002-26   |     |
| <b>Client ID No:</b>    | Z6 11-11 1/2 | Z6 12 1/2-13 | Z6 15-15 1/2 | Z6 15 1/2-16 |     |
| <b>Matrix:</b>          | Soil         | Soil         | Soil         | Soil         |     |
| <b>Dilution Factor:</b> | 1            | 1            | 1            | 1            | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|                                |      |      |      |      |     |
|--------------------------------|------|------|------|------|-----|
| 1,4-Dichlorobenzene            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dichlorodifluoromethane (R12)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethane             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloroethane (EDC)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,2-Dichloroethylene     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,2-Dichloroethylene       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethylene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloropropylene          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,3-Dichloropropylene    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,3-Dichloropropylene      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Diisopropyl ether (DIPE)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Ethylbenzene                   | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Ethyl-tert-Butyl Ether (ETBE)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Gasoline Range Organics (GRO)  | <500 | <500 | <500 | <500 | 500 |
| Hexachlorobutadiene            | <10  | <10  | <10  | <10  | 10  |
| 2-Hexanone (MBK)               | <50  | <50  | <50  | <50  | 50  |
| Isopropylbenzene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Isopropyltoluene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methyl-tert-Butyl Ether (MTBE) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methylene Chloride             | <50  | <50  | <50  | <50  | 50  |
| 4-Methyl-2-pentanone (MIBK)    | <50  | <50  | <50  | <50  | 50  |
| Naphthalene                    | <10  | <10  | <10  | <10  | 10  |
| n-Propylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

Eydie Schwartz

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|
| <b>Date Sampled:</b>    | 09/18/12     | 09/18/12     | 09/18/12     | 09/18/12     |
| <b>Date Prepared:</b>   | 09/26/12     | 09/26/12     | 09/26/12     | 09/26/12     |
| <b>Date Analyzed:</b>   | 09/26/12     | 09/26/12     | 09/26/12     | 09/27/12     |
| <b>AA ID No:</b>        | 2I25002-22   | 2I25002-23   | 2I25002-25   | 2I25002-26   |
| <b>Client ID No:</b>    | Z6 11-11 1/2 | Z6 12 1/2-13 | Z6 15-15 1/2 | Z6 15 1/2-16 |
| <b>Matrix:</b>          | Soil         | Soil         | Soil         | Soil         |
| <b>Dilution Factor:</b> | 1            | 1            | 1            | 1            |

MRL

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|  |      |      |      |      |     |
|--|------|------|------|------|-----|
| Styrene                                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Tetrachloroethylene (PCE)                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Toluene                                      | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| 1,2,4-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichloroethylene (TCE)                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichlorofluoromethane (R11)                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichloropropane                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3,5-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,4-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Vinyl chloride                               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| o-Xylene                                     | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| m,p-Xylenes                                  | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |

| <u>Surrogates</u>    |          |      |      |      | <u>%REC Limits</u> |
|----------------------|----------|------|------|------|--------------------|
| 4-Bromofluorobenzene | 146% [3] | 130% | 137% | 132% | 70-140             |
| Dibromofluoromethane | 112%     | 107% | 107% | 108% | 70-140             |
| Toluene-d8           | 113%     | 103% | 105% | 107% | 70-140             |

Eydie Schwartz

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

| Date Sampled:           | 09/18/2012 | 09/18/2012   | 09/18/2012   | 09/18/2012   |     |
|-------------------------|------------|--------------|--------------|--------------|-----|
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12     | 09/26/12     | 09/28/12     |     |
| <b>Date Analyzed:</b>   | 09/27/12   | 09/27/12     | 09/27/12     | 09/28/12     |     |
| <b>AA ID No:</b>        | 2I25002-27 | 2I25002-28   | 2I25002-29   | 2I25002-30   |     |
| <b>Client ID No:</b>    | Z5 6-6 1/2 | Z5 11-11 1/2 | Z5 13-13 1/2 | Z5 15-15 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil         | Soil         | Soil         |     |
| <b>Dilution Factor:</b> | 1          | 1            | 1            | 100          | MRL |

### 8260B+OXY+TPHG (EPA 8260B)

|                               |      |      |           |             |     |
|-------------------------------|------|------|-----------|-------------|-----|
| Acetone                       | <50  | <50  | <50       | <5000       | 50  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Benzene                       | <2.0 | <2.0 | <2.0      | <200        | 2.0 |
| Bromobenzene                  | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Bromochloromethane            | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Bromodichloromethane          | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Bromoform                     | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Bromomethane                  | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 2-Butanone (MEK)              | <50  | <50  | <50       | <5000       | 50  |
| tert-Butyl alcohol (TBA)      | <20  | <20  | <20       | <2000       | 20  |
| tert-Butylbenzene             | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| sec-Butylbenzene              | <5.0 | <5.0 | <b>13</b> | <500        | 5.0 |
| n-Butylbenzene                | <5.0 | <5.0 | <b>18</b> | <b>1300</b> | 5.0 |
| Carbon Disulfide              | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Carbon Tetrachloride          | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Chlorobenzene                 | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Chloroethane                  | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Chloroform                    | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Chloromethane                 | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 2-Chlorotoluene               | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 4-Chlorotoluene               | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 1,2-Dibromo-3-chloropropane   | <10  | <10  | <10       | <1000       | 10  |
| Dibromochloromethane          | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 1,2-Dibromoethane (EDB)       | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| Dibromomethane                | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 1,2-Dichlorobenzene           | <5.0 | <5.0 | <5.0      | <500        | 5.0 |
| 1,3-Dichlorobenzene           | <5.0 | <5.0 | <5.0      | <500        | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |              |              |              |     |
|-------------------------|------------|--------------|--------------|--------------|-----|
| <b>Date Sampled:</b>    | 09/18/2012 | 09/18/2012   | 09/18/2012   | 09/18/2012   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12     | 09/26/12     | 09/28/12     |     |
| <b>Date Analyzed:</b>   | 09/27/12   | 09/27/12     | 09/27/12     | 09/28/12     |     |
| <b>AA ID No:</b>        | 2I25002-27 | 2I25002-28   | 2I25002-29   | 2I25002-30   |     |
| <b>Client ID No:</b>    | Z5 6-6 1/2 | Z5 11-11 1/2 | Z5 13-13 1/2 | Z5 15-15 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil         | Soil         | Soil         |     |
| <b>Dilution Factor:</b> | 1          | 1            | 1            | 100          | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|                                |      |      |             |               |     |
|--------------------------------|------|------|-------------|---------------|-----|
| 1,4-Dichlorobenzene            | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| Dichlorodifluoromethane (R12)  | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 1,1-Dichloroethane             | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 1,2-Dichloroethane (EDC)       | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| trans-1,2-Dichloroethylene     | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| cis-1,2-Dichloroethylene       | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 1,1-Dichloroethylene           | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 1,2-Dichloropropane            | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 2,2-Dichloropropane            | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 1,3-Dichloropropane            | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| 1,1-Dichloropropylene          | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| trans-1,3-Dichloropropylene    | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| cis-1,3-Dichloropropylene      | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| Diisopropyl ether (DIPE)       | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| Ethylbenzene                   | <2.0 | <2.0 | <b>25</b>   | <b>230</b>    | 2.0 |
| Ethyl-tert-Butyl Ether (ETBE)  | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| Gasoline Range Organics (GRO)  | <500 | <500 | <b>1000</b> | <b>110000</b> | 500 |
| Hexachlorobutadiene            | <10  | <10  | <10         | <1000         | 10  |
| 2-Hexanone (MBK)               | <50  | <50  | <50         | <5000         | 50  |
| Isopropylbenzene               | <5.0 | <5.0 | <b>18</b>   | <500          | 5.0 |
| 4-Isopropyltoluene             | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| Methyl-tert-Butyl Ether (MTBE) | <5.0 | <5.0 | <5.0        | <500          | 5.0 |
| Methylene Chloride             | <50  | <50  | <50         | <5000         | 50  |
| 4-Methyl-2-pentanone (MIBK)    | <50  | <50  | <50         | <5000         | 50  |
| Naphthalene                    | <10  | <10  | <10         | <b>1400</b>   | 10  |
| n-Propylbenzene                | <5.0 | <5.0 | <b>24</b>   | <b>1000</b>   | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |            |              |              |              |     |
|-------------------------|------------|--------------|--------------|--------------|-----|
| <b>Date Sampled:</b>    | 09/18/2012 | 09/18/2012   | 09/18/2012   | 09/18/2012   |     |
| <b>Date Prepared:</b>   | 09/26/12   | 09/26/12     | 09/26/12     | 09/28/12     |     |
| <b>Date Analyzed:</b>   | 09/27/12   | 09/27/12     | 09/27/12     | 09/28/12     |     |
| <b>AA ID No:</b>        | 2I25002-27 | 2I25002-28   | 2I25002-29   | 2I25002-30   |     |
| <b>Client ID No:</b>    | Z5 6-6 1/2 | Z5 11-11 1/2 | Z5 13-13 1/2 | Z5 15-15 1/2 |     |
| <b>Matrix:</b>          | Soil       | Soil         | Soil         | Soil         |     |
| <b>Dilution Factor:</b> | 1          | 1            | 1            | 100          | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|  |      |      |      |             |     |
|--|------|------|------|-------------|-----|
| Styrene                                      | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,1,1,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,1,2,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| Tetrachloroethylene (PCE)                    | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| Toluene                                      | <2.0 | <2.0 | <2.0 | <200        | 2.0 |
| 1,2,4-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,2,3-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,1,2-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,1,1-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| Trichloroethylene (TCE)                      | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| Trichlorofluoromethane (R11)                 | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,2,3-Trichloropropane                       | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| 1,3,5-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <b>2100</b> | 5.0 |
| 1,2,4-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <b>7600</b> | 5.0 |
| Vinyl chloride                               | <5.0 | <5.0 | <5.0 | <500        | 5.0 |
| o-Xylene                                     | <2.0 | <2.0 | <2.0 | <b>210</b>  | 2.0 |
| m,p-Xylenes                                  | <2.0 | <2.0 | <2.0 | <b>1600</b> | 2.0 |

| <u>Surrogates</u>    |      |          |          |      | <u>%REC Limits</u> |
|----------------------|------|----------|----------|------|--------------------|
| 4-Bromofluorobenzene | 139% | 142% [3] | 143% [3] | 102% | 70-140             |
| Dibromofluoromethane | 110% | 102%     | 103%     | 97%  | 70-140             |
| Toluene-d8           | 107% | 101%     | 105%     | 108% | 70-140             |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager





## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |              |              |               |                |     |
|-------------------------|--------------|--------------|---------------|----------------|-----|
| <b>Date Sampled:</b>    | 09/18/12     | 09/18/12     | 09/18/12      | 09/18/12       |     |
| <b>Date Prepared:</b>   | 09/27/12     | 09/27/12     | 09/27/12      | 09/27/12       |     |
| <b>Date Analyzed:</b>   | 09/27/12     | 09/27/12     | 09/27/12      | 09/27/12       |     |
| <b>AA ID No:</b>        | 2I25002-31   | 2I25002-32   | 2I25002-33    | 2I25002-34     |     |
| <b>Client ID No:</b>    | Z5 17 1/2-18 | MW-6 5 1/2-6 | MW-6 9 1/2-10 | MW-6 17 1/2-18 |     |
| <b>Matrix:</b>          | Soil         | Soil         | Soil          | Soil           |     |
| <b>Dilution Factor:</b> | 1            | 1            | 1             | 1              | MRL |

### 8260B+OXY+TPHG (EPA 8260B)

|                               |      |      |      |      |     |
|-------------------------------|------|------|------|------|-----|
| Acetone                       | <50  | <50  | <50  | <50  | 50  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Benzene                       | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Bromobenzene                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromochloromethane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromodichloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromoform                     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Bromomethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Butanone (MEK)              | <50  | <50  | <50  | <50  | 50  |
| tert-Butyl alcohol (TBA)      | <20  | <20  | <20  | <20  | 20  |
| tert-Butylbenzene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| sec-Butylbenzene              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| n-Butylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Disulfide              | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Carbon Tetrachloride          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chlorobenzene                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroethane                  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloroform                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Chloromethane                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Chlorotoluene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromo-3-chloropropane   | <10  | <10  | <10  | <10  | 10  |
| Dibromochloromethane          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dibromoethane (EDB)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dibromomethane                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichlorobenzene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |              |              |               |                |     |
|-------------------------|--------------|--------------|---------------|----------------|-----|
| <b>Date Sampled:</b>    | 09/18/12     | 09/18/12     | 09/18/12      | 09/18/12       |     |
| <b>Date Prepared:</b>   | 09/27/12     | 09/27/12     | 09/27/12      | 09/27/12       |     |
| <b>Date Analyzed:</b>   | 09/27/12     | 09/27/12     | 09/27/12      | 09/27/12       |     |
| <b>AA ID No:</b>        | 2I25002-31   | 2I25002-32   | 2I25002-33    | 2I25002-34     |     |
| <b>Client ID No:</b>    | Z5 17 1/2-18 | MW-6 5 1/2-6 | MW-6 9 1/2-10 | MW-6 17 1/2-18 |     |
| <b>Matrix:</b>          | Soil         | Soil         | Soil          | Soil           |     |
| <b>Dilution Factor:</b> | 1            | 1            | 1             | 1              | MRL |

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|                                |      |      |      |      |     |
|--------------------------------|------|------|------|------|-----|
| 1,4-Dichlorobenzene            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Dichlorodifluoromethane (R12)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethane             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloroethane (EDC)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,2-Dichloroethylene     | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,2-Dichloroethylene       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloroethylene           | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 2,2-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3-Dichloropropane            | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1-Dichloropropylene          | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| trans-1,3-Dichloropropylene    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| cis-1,3-Dichloropropylene      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Diisopropyl ether (DIPE)       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Ethylbenzene                   | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| Ethyl-tert-Butyl Ether (ETBE)  | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Gasoline Range Organics (GRO)  | <500 | <500 | <500 | <500 | 500 |
| Hexachlorobutadiene            | <10  | <10  | <10  | <10  | 10  |
| 2-Hexanone (MBK)               | <50  | <50  | <50  | <50  | 50  |
| Isopropylbenzene               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 4-Isopropyltoluene             | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methyl-tert-Butyl Ether (MTBE) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Methylene Chloride             | <50  | <50  | <50  | <50  | 50  |
| 4-Methyl-2-pentanone (MIBK)    | <50  | <50  | <50  | <50  | 50  |
| Naphthalene                    | <10  | <10  | <10  | <10  | 10  |
| n-Propylbenzene                | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

|                      |                                   |                       |          |
|----------------------|-----------------------------------|-----------------------|----------|
| <b>Client:</b>       | Kawahara Nursery                  | <b>AA Project No:</b> | A87301   |
| <b>Project No:</b>   | NA                                | <b>Date Received:</b> | 09/25/12 |
| <b>Project Name:</b> | Kawahara Nursery                  | <b>Date Reported:</b> | 10/15/12 |
| <b>Method:</b>       | VOCs, OXY & TPH Gasoline by GC/MS | <b>Units:</b>         | ug/kg    |

|                         |              |              |               |                |
|-------------------------|--------------|--------------|---------------|----------------|
| <b>Date Sampled:</b>    | 09/18/12     | 09/18/12     | 09/18/12      | 09/18/12       |
| <b>Date Prepared:</b>   | 09/27/12     | 09/27/12     | 09/27/12      | 09/27/12       |
| <b>Date Analyzed:</b>   | 09/27/12     | 09/27/12     | 09/27/12      | 09/27/12       |
| <b>AA ID No:</b>        | 2I25002-31   | 2I25002-32   | 2I25002-33    | 2I25002-34     |
| <b>Client ID No:</b>    | Z5 17 1/2-18 | MW-6 5 1/2-6 | MW-6 9 1/2-10 | MW-6 17 1/2-18 |
| <b>Matrix:</b>          | Soil         | Soil         | Soil          | Soil           |
| <b>Dilution Factor:</b> | 1            | 1            | 1             | 1              |

MRL

### 8260B+OXY+TPHG (EPA 8260B) (continued)

|  |      |      |      |      |     |
|--|------|------|------|------|-----|
| Styrene                                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2,2-Tetrachloroethane                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Tetrachloroethylene (PCE)                    | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Toluene                                      | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| 1,2,4-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichlorobenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,1-Trichloroethane                        | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichloroethylene (TCE)                      | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Trichlorofluoromethane (R11)                 | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,3-Trichloropropane                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,3,5-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| 1,2,4-Trimethylbenzene                       | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| Vinyl chloride                               | <5.0 | <5.0 | <5.0 | <5.0 | 5.0 |
| o-Xylene                                     | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |
| m,p-Xylenes                                  | <2.0 | <2.0 | <2.0 | <2.0 | 2.0 |

| <u>Surrogates</u>    |      |      |      |      | <u>%REC Limits</u> |
|----------------------|------|------|------|------|--------------------|
| 4-Bromofluorobenzene | 121% | 128% | 130% | 120% | 70-140             |
| Dibromofluoromethane | 99%  | 102% | 105% | 104% | 70-140             |
| Toluene-d8           | 98%  | 106% | 108% | 102% | 70-140             |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte   | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b>                            |        |                 |       |             |               |           |       |     |           |       |
| Batch B2I2603 - EPA 5030B   |        |                 |       |             |               |           |       |     |           |       |
| Blank (B2I2603-BLK1) <span style="float: right;">Prepared &amp; Analyzed: 09/26/12</span> |        |                 |       |             |               |           |       |     |           |       |
| Acetone   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| tert-Amyl Methyl Ether (TAME)   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Benzene   | <2.0   | 2.0             | ug/kg |             |               |           |       |     |           |       |
| Bromobenzene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Bromochloromethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Bromodichloromethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Bromoform   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Bromomethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 2-Butanone (MEK)  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| tert-Butyl alcohol (TBA)  | <20    | 20              | ug/kg |             |               |           |       |     |           |       |
| tert-Butylbenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| sec-Butylbenzene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| n-Butylbenzene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Carbon Disulfide  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Carbon Tetrachloride  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Chlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Chloroethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Chloroform  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Chloromethane   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 2-Chlorotoluene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 4-Chlorotoluene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2-Dibromo-3-chloropropane   | <10    | 10              | ug/kg |             |               |           |       |     |           |       |
| Dibromochloromethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2-Dibromoethane (EDB)   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Dibromomethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2-Dichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,3-Dichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,4-Dichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Dichlorodifluoromethane (R12)   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1-Dichloroethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2-Dichloroethane (EDC)  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| trans-1,2-Dichloroethylene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |           |       |     |           |       |
| <i>Batch B212603 - EPA 5030B</i>                               |        |                 |       |             |               |           |       |     |           |       |
| <b>Blank (B212603-BLK1) Continued</b>                          |        |                 |       |             |               |           |       |     |           |       |
| Prepared & Analyzed: 09/26/12                                  |        |                 |       |             |               |           |       |     |           |       |
| cis-1,2-Dichloroethylene                                       | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1-Dichloroethylene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 2,2-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,3-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1-Dichloropropylene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| trans-1,3-Dichloropropylene                                    | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| cis-1,3-Dichloropropylene                                      | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Diisopropyl ether (DIPE)                                       | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Ethylbenzene   | <2.0   | 2.0             | ug/kg |             |               |           |       |     |           |       |
| Ethyl-tert-Butyl Ether (ETBE)                                  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Gasoline Range Organics (GRO)                                  | <500   | 500             | ug/kg |             |               |           |       |     |           |       |
| Hexachlorobutadiene  | <10    | 10              | ug/kg |             |               |           |       |     |           |       |
| 2-Hexanone (MBK)   | <50    | 50              | ug/kg |             |               |           |       |     |           |       |
| Isopropylbenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 4-Isopropyltoluene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Methylene Chloride   | <50    | 50              | ug/kg |             |               |           |       |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                                    | <50    | 50              | ug/kg |             |               |           |       |     |           |       |
| Naphthalene  | <10    | 10              | ug/kg |             |               |           |       |     |           |       |
| n-Propylbenzene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Styrene  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1,1,2-Tetrachloroethane                                      | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Tetrachloroethylene (PCE)                                      | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Toluene  | <2.0   | 2.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2,4-Trichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,2,3-Trichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1,2-Trichloroethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| 1,1,1-Trichloroethane  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Trichloroethylene (TCE)  | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |
| Trichlorofluoromethane (R11)                                   | <5.0   | 5.0             | ug/kg |             |               |           |       |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result      | Reporting Limit | Units | Spike Level | Source Result                 | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|-------------|-----------------|-------|-------------|-------------------------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |             |                 |       |             |                               |      |             |     |           |       |
| <i>Batch B2I2603 - EPA 5030B</i>                               |             |                 |       |             |                               |      |             |     |           |       |
| <b>Blank (B2I2603-BLK1) Continued</b>                          |             |                 |       |             | Prepared & Analyzed: 09/26/12 |      |             |     |           |       |
| 1,2,3-Trichloropropane   | <5.0        | 5.0             | ug/kg |             |                               |      |             |     |           |       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113)                   | <5.0        | 5.0             | ug/kg |             |                               |      |             |     |           |       |
| 1,3,5-Trimethylbenzene   | <5.0        | 5.0             | ug/kg |             |                               |      |             |     |           |       |
| 1,2,4-Trimethylbenzene   | <5.0        | 5.0             | ug/kg |             |                               |      |             |     |           |       |
| Vinyl chloride   | <5.0        | 5.0             | ug/kg |             |                               |      |             |     |           |       |
| o-Xylene   | <2.0        | 2.0             | ug/kg |             |                               |      |             |     |           |       |
| m,p-Xylenes  | <2.0        | 2.0             | ug/kg |             |                               |      |             |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | 119         |                 | ug/kg | 100         |                               | 119  | 70-140      |     |           |       |
| <i>Surrogate: Dibromofluoromethane</i>                         | 96.8        |                 | ug/kg | 100         |                               | 96.8 | 70-140      |     |           |       |
| <i>Surrogate: Toluene-d8</i>                                   | 104         |                 | ug/kg | 100         |                               | 104  | 70-140      |     |           |       |
| <b>LCS (B2I2603-BS1)</b>                                       |             |                 |       |             | Prepared & Analyzed: 09/26/12 |      |             |     |           |       |
| Benzene  | <b>43.4</b> | 2.0             | ug/kg | 40          |                               | 109  | 75-125      |     |           |       |
| Bromodichloromethane   | <b>46.2</b> | 5.0             | ug/kg | 40          |                               | 115  | 75-125      |     |           |       |
| Bromoform  | <b>42.9</b> | 5.0             | ug/kg | 40          |                               | 107  | 75-125      |     |           |       |
| Carbon Tetrachloride   | <b>48.9</b> | 5.0             | ug/kg | 40          |                               | 122  | 75-125      |     |           |       |
| Chlorobenzene  | <b>39.0</b> | 5.0             | ug/kg | 40          |                               | 97.6 | 75-125      |     |           |       |
| Chloroethane   | <b>35.6</b> | 5.0             | ug/kg | 40          |                               | 89.1 | 75-125      |     |           |       |
| Chloroform   | <b>46.2</b> | 5.0             | ug/kg | 40          |                               | 115  | 75-125      |     |           |       |
| Chloromethane  | <b>34.8</b> | 5.0             | ug/kg | 40          |                               | 86.9 | 65-125      |     |           |       |
| Dibromochloromethane   | <b>42.9</b> | 5.0             | ug/kg | 40          |                               | 107  | 75-125      |     |           |       |
| 1,4-Dichlorobenzene  | <b>43.8</b> | 5.0             | ug/kg | 40          |                               | 110  | 75-125      |     |           |       |
| 1,1-Dichloroethane   | <b>37.1</b> | 5.0             | ug/kg | 40          |                               | 92.7 | 70-125      |     |           |       |
| 1,2-Dichloroethane (EDC)                                       | <b>50.6</b> | 5.0             | ug/kg | 40          |                               | 127  | 75-125      |     |           | AA-C1 |
| trans-1,2-Dichloroethylene                                     | <b>36.9</b> | 5.0             | ug/kg | 40          |                               | 92.2 | 75-125      |     |           |       |
| cis-1,2-Dichloroethylene                                       | <b>42.0</b> | 5.0             | ug/kg | 40          |                               | 105  | 75-125      |     |           |       |
| 1,1-Dichloroethylene   | <b>37.4</b> | 5.0             | ug/kg | 40          |                               | 93.4 | 70-130      |     |           |       |
| 1,2-Dichloropropane  | <b>41.6</b> | 5.0             | ug/kg | 40          |                               | 104  | 75-130      |     |           |       |
| cis-1,3-Dichloropropylene                                      | <b>47.5</b> | 5.0             | ug/kg | 40          |                               | 119  | 75-125      |     |           |       |
| Ethylbenzene   | <b>39.8</b> | 2.0             | ug/kg | 40          |                               | 99.6 | 75-125      |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | <b>38.6</b> | 5.0             | ug/kg | 40          |                               | 96.5 | 75-125      |     |           |       |

*Eydie Schwartz*

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 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result      | Reporting Limit | Units        | Spike Level | Source Result | %REC        | %REC Limits   | RPD | RPD Limit | Notes |
|--|-------------|-----------------|--------------|-------------|---------------|-------------|---------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |             |                 |              |             |               |             |               |     |           |       |
| <i>Batch B2I2603 - EPA 5030B</i>                               |             |                 |              |             |               |             |               |     |           |       |
| <b>LCS (B2I2603-BS1) Continued</b>                             |             |                 |              |             |               |             |               |     |           |       |
| Prepared & Analyzed: 09/26/12                                  |             |                 |              |             |               |             |               |     |           |       |
| Methylene Chloride   | 34.2        | 50              | ug/kg        | 40          |               | 85.6        | 75-130        |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | 44.8        | 5.0             | ug/kg        | 40          |               | 112         | 70-135        |     |           |       |
| Tetrachloroethylene (PCE)                                      | 37.2        | 5.0             | ug/kg        | 40          |               | 93.1        | 75-125        |     |           |       |
| Toluene  | 36.0        | 2.0             | ug/kg        | 40          |               | 90.1        | 75-125        |     |           |       |
| 1,1,2-Trichloroethane  | 40.5        | 5.0             | ug/kg        | 40          |               | 101         | 75-125        |     |           |       |
| 1,1,1-Trichloroethane  | 47.9        | 5.0             | ug/kg        | 40          |               | 120         | 75-125        |     |           |       |
| Trichloroethylene (TCE)  | 44.8        | 5.0             | ug/kg        | 40          |               | 112         | 75-125        |     |           |       |
| Vinyl chloride   | 40.1        | 5.0             | ug/kg        | 40          |               | 100         | 75-125        |     |           |       |
| o-Xylene   | 41.3        | 2.0             | ug/kg        | 40          |               | 103         | 75-125        |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | <i>113</i>  |                 | <i>ug/kg</i> | <i>100</i>  |               | <i>113</i>  | <i>70-140</i> |     |           |       |
| <i>Surrogate: Dibromofluoromethane</i>                         | <i>108</i>  |                 | <i>ug/kg</i> | <i>100</i>  |               | <i>108</i>  | <i>70-140</i> |     |           |       |
| <i>Surrogate: Toluene-d8</i>                                   | <i>87.5</i> |                 | <i>ug/kg</i> | <i>100</i>  |               | <i>87.5</i> | <i>70-140</i> |     |           |       |
| <b>Matrix Spike (B2I2603-MS1)</b>                              |             |                 |              |             |               |             |               |     |           |       |
| Source: 2I25002-02 Prepared & Analyzed: 09/26/12               |             |                 |              |             |               |             |               |     |           |       |
| Benzene  | 40.3        | 2.0             | ug/kg        | 40          | <2.0          | 101         | 70-130        |     |           |       |
| Bromoform  | 39.0        | 5.0             | ug/kg        | 40          | <5.0          | 97.4        | 70-130        |     |           |       |
| Chlorobenzene  | 37.7        | 5.0             | ug/kg        | 40          | <5.0          | 94.2        | 70-130        |     |           |       |
| Chloroform   | 42.4        | 5.0             | ug/kg        | 40          | <5.0          | 106         | 70-130        |     |           |       |
| 1,1-Dichloroethane   | 33.9        | 5.0             | ug/kg        | 40          | <5.0          | 84.8        | 70-130        |     |           |       |
| cis-1,2-Dichloroethylene                                       | 39.9        | 5.0             | ug/kg        | 40          | <5.0          | 99.7        | 70-130        |     |           |       |
| 1,1-Dichloroethylene   | 36.8        | 5.0             | ug/kg        | 40          | <5.0          | 91.9        | 70-130        |     |           |       |
| 1,2-Dichloropropane  | 38.4        | 5.0             | ug/kg        | 40          | <5.0          | 96.1        | 70-130        |     |           |       |
| Ethylbenzene   | 40.4        | 2.0             | ug/kg        | 40          | <2.0          | 101         | 70-130        |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | 31.6        | 5.0             | ug/kg        | 40          | <5.0          | 79.0        | 70-130        |     |           |       |
| n-Propylbenzene  | 43.5        | 5.0             | ug/kg        | 40          | <5.0          | 109         | 70-130        |     |           |       |
| Tetrachloroethylene (PCE)                                      | 39.7        | 5.0             | ug/kg        | 40          | <5.0          | 99.2        | 70-130        |     |           |       |
| Toluene  | 37.2        | 2.0             | ug/kg        | 40          | <2.0          | 93.0        | 70-130        |     |           |       |
| 1,1,1-Trichloroethane  | 45.5        | 5.0             | ug/kg        | 40          | <5.0          | 114         | 70-130        |     |           |       |
| Trichloroethylene (TCE)  | 43.0        | 5.0             | ug/kg        | 40          | <5.0          | 107         | 70-130        |     |           |       |
| 1,3,5-Trimethylbenzene   | 45.2        | 5.0             | ug/kg        | 40          | <5.0          | 113         | 70-130        |     |           |       |
| Vinyl chloride   | 36.7        | 5.0             | ug/kg        | 40          | <5.0          | 91.6        | 70-130        |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | <i>113</i>  |                 | <i>ug/kg</i> | <i>100</i>  |               | <i>113</i>  | <i>70-140</i> |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

### VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B2I2603 - EPA 5030B

**Matrix Spike (B2I2603-MS1) Continued** Source: 2I25002-02 Prepared & Analyzed: 09/26/12

|                                 |      |  |       |     |  |      |        |  |  |  |
|---------------------------------|------|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: Dibromofluoromethane | 102  |  | ug/kg | 100 |  | 102  | 70-140 |  |  |  |
| Surrogate: Toluene-d8           | 92.3 |  | ug/kg | 100 |  | 92.3 | 70-140 |  |  |  |

**Matrix Spike Dup (B2I2603-MSD1)** Source: 2I25002-02 Prepared & Analyzed: 09/26/12

|                                |      |     |       |    |      |      |        |        |    |  |
|--------------------------------|------|-----|-------|----|------|------|--------|--------|----|--|
| Benzene                        | 41.7 | 2.0 | ug/kg | 40 | <2.0 | 104  | 70-130 | 3.41   | 40 |  |
| Bromoform                      | 39.0 | 5.0 | ug/kg | 40 | <5.0 | 97.6 | 70-130 | 0.103  | 40 |  |
| Chlorobenzene                  | 37.2 | 5.0 | ug/kg | 40 | <5.0 | 93.1 | 70-130 | 1.17   | 40 |  |
| Chloroform                     | 42.9 | 5.0 | ug/kg | 40 | <5.0 | 107  | 70-130 | 1.08   | 40 |  |
| 1,1-Dichloroethane             | 34.8 | 5.0 | ug/kg | 40 | <5.0 | 87.1 | 70-130 | 2.68   | 40 |  |
| cis-1,2-Dichloroethylene       | 39.9 | 5.0 | ug/kg | 40 | <5.0 | 99.8 | 70-130 | 0.150  | 40 |  |
| 1,1-Dichloroethylene           | 37.1 | 5.0 | ug/kg | 40 | <5.0 | 92.8 | 70-130 | 0.921  | 40 |  |
| 1,2-Dichloropropane            | 39.2 | 5.0 | ug/kg | 40 | <5.0 | 98.0 | 70-130 | 1.91   | 40 |  |
| Ethylbenzene                   | 40.2 | 2.0 | ug/kg | 40 | <2.0 | 100  | 70-130 | 0.496  | 40 |  |
| Methyl-tert-Butyl Ether (MTBE) | 31.9 | 5.0 | ug/kg | 40 | <5.0 | 79.8 | 70-130 | 1.01   | 40 |  |
| n-Propylbenzene                | 42.4 | 5.0 | ug/kg | 40 | <5.0 | 106  | 70-130 | 2.65   | 40 |  |
| Tetrachloroethylene (PCE)      | 38.1 | 5.0 | ug/kg | 40 | <5.0 | 95.3 | 70-130 | 4.06   | 40 |  |
| Toluene                        | 36.3 | 2.0 | ug/kg | 40 | <2.0 | 90.8 | 70-130 | 2.39   | 40 |  |
| 1,1,1-Trichloroethane          | 45.4 | 5.0 | ug/kg | 40 | <5.0 | 114  | 70-130 | 0.0880 | 40 |  |
| Trichloroethylene (TCE)        | 42.7 | 5.0 | ug/kg | 40 | <5.0 | 107  | 70-130 | 0.701  | 40 |  |
| 1,3,5-Trimethylbenzene         | 44.7 | 5.0 | ug/kg | 40 | <5.0 | 112  | 70-130 | 1.25   | 40 |  |
| Vinyl chloride                 | 36.7 | 5.0 | ug/kg | 40 | <5.0 | 91.7 | 70-130 | 0.0545 | 40 |  |

|                                 |      |  |       |     |  |      |        |  |  |  |
|---------------------------------|------|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: 4-Bromofluorobenzene | 114  |  | ug/kg | 100 |  | 114  | 70-140 |  |  |  |
| Surrogate: Dibromofluoromethane | 105  |  | ug/kg | 100 |  | 105  | 70-140 |  |  |  |
| Surrogate: Toluene-d8           | 94.1 |  | ug/kg | 100 |  | 94.1 | 70-140 |  |  |  |

Batch B2I2704 - EPA 5035

**Blank (B2I2704-BLK1)** Prepared & Analyzed: 09/27/12

|                               |      |     |       |  |  |  |  |  |  |  |
|-------------------------------|------|-----|-------|--|--|--|--|--|--|--|
| Acetone                       | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Benzene                       | <2.0 | 2.0 | ug/kg |  |  |  |  |  |  |  |
| Bromobenzene                  | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Bromochloromethane            | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Bromodichloromethane          | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager





## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |     |           |       |
| <i>Batch B212704 - EPA 5035</i>                                |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B212704-BLK1) Continued</b>                          |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |     |           |       |
| Bromoform  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Bromomethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 2-Butanone (MEK)   | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| tert-Butyl alcohol (TBA)                                       | <20    | 20              | ug/kg |             |               |      |             |     |           |       |
| tert-Butylbenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| sec-Butylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| n-Butylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Carbon Disulfide   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Carbon Tetrachloride   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chloroethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chloroform   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chloromethane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 2-Chlorotoluene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 4-Chlorotoluene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dibromo-3-chloropropane                                    | <10    | 10              | ug/kg |             |               |      |             |     |           |       |
| Dibromochloromethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dibromoethane (EDB)  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Dibromomethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dichlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,3-Dichlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,4-Dichlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Dichlorodifluoromethane (R12)                                  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1-Dichloroethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dichloroethane (EDC)                                       | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| trans-1,2-Dichloroethylene                                     | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| cis-1,2-Dichloroethylene                                       | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1-Dichloroethylene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 2,2-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,3-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1-Dichloropropylene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |     |           |       |
| Batch B212704 - EPA 5035                                       |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B212704-BLK1) Continued</b>                          |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |     |           |       |
| trans-1,3-Dichloropropylene                                    | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| cis-1,3-Dichloropropylene                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Diisopropyl ether (DIPE)                                       | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Ethylbenzene   | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| Ethyl-tert-Butyl Ether (ETBE)                                  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Gasoline Range Organics (GRO)                                  | <500   | 500             | ug/kg |             |               |      |             |     |           |       |
| Hexachlorobutadiene  | <10    | 10              | ug/kg |             |               |      |             |     |           |       |
| 2-Hexanone (MBK)   | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| Isopropylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 4-Isopropyltoluene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Methylene Chloride   | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                                    | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| Naphthalene  | <10    | 10              | ug/kg |             |               |      |             |     |           |       |
| n-Propylbenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Styrene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,1,2-Tetrachloroethane                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Tetrachloroethylene (PCE)                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Toluene  | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,4-Trichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,3-Trichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,2-Trichloroethane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,1-Trichloroethane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Trichloroethylene (TCE)  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Trichlorofluoromethane (R11)                                   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,3-Trichloropropane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113)                   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,3,5-Trimethylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,4-Trimethylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Vinyl chloride   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |     |           |       |
| Batch B2I2704 - EPA 5035                                       |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B2I2704-BLK1) Continued</b>                          |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |     |           |       |
| o-Xylene   | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| m,p-Xylenes  | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| Surrogate: 4-Bromofluorobenzene                                | 121    |                 | ug/kg | 100         |               | 121  | 70-140      |     |           |       |
| Surrogate: Dibromofluoromethane                                | 99.7   |                 | ug/kg | 100         |               | 99.7 | 70-140      |     |           |       |
| Surrogate: Toluene-d8  | 102    |                 | ug/kg | 100         |               | 102  | 70-140      |     |           |       |
| <b>LCS (B2I2704-BS1)</b>                                       |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |     |           |       |
| Benzene  | 42.9   | 2.0             | ug/kg | 40          |               | 107  | 75-125      |     |           |       |
| Bromodichloromethane   | 45.4   | 5.0             | ug/kg | 40          |               | 114  | 75-125      |     |           |       |
| Bromoform  | 41.7   | 5.0             | ug/kg | 40          |               | 104  | 75-125      |     |           |       |
| Carbon Tetrachloride   | 46.5   | 5.0             | ug/kg | 40          |               | 116  | 75-125      |     |           |       |
| Chlorobenzene  | 38.1   | 5.0             | ug/kg | 40          |               | 95.3 | 75-125      |     |           |       |
| Chloroethane   | 35.4   | 5.0             | ug/kg | 40          |               | 88.4 | 75-125      |     |           |       |
| Chloroform   | 44.7   | 5.0             | ug/kg | 40          |               | 112  | 75-125      |     |           |       |
| Chloromethane  | 38.4   | 5.0             | ug/kg | 40          |               | 96.1 | 65-125      |     |           |       |
| Dibromochloromethane   | 40.9   | 5.0             | ug/kg | 40          |               | 102  | 75-125      |     |           |       |
| 1,4-Dichlorobenzene  | 44.0   | 5.0             | ug/kg | 40          |               | 110  | 75-125      |     |           |       |
| 1,1-Dichloroethane   | 36.0   | 5.0             | ug/kg | 40          |               | 90.1 | 70-125      |     |           |       |
| 1,2-Dichloroethane (EDC)                                       | 50.3   | 5.0             | ug/kg | 40          |               | 126  | 75-125      |     |           | AA-C1 |
| trans-1,2-Dichloroethylene                                     | 36.0   | 5.0             | ug/kg | 40          |               | 90.0 | 75-125      |     |           |       |
| cis-1,2-Dichloroethylene                                       | 39.8   | 5.0             | ug/kg | 40          |               | 99.6 | 75-125      |     |           |       |
| 1,1-Dichloroethylene   | 36.2   | 5.0             | ug/kg | 40          |               | 90.6 | 70-130      |     |           |       |
| 1,2-Dichloropropane  | 41.0   | 5.0             | ug/kg | 40          |               | 102  | 75-130      |     |           |       |
| cis-1,3-Dichloropropylene                                      | 45.7   | 5.0             | ug/kg | 40          |               | 114  | 75-125      |     |           |       |
| Ethylbenzene   | 39.5   | 2.0             | ug/kg | 40          |               | 98.8 | 75-125      |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | 37.8   | 5.0             | ug/kg | 40          |               | 94.5 | 75-125      |     |           |       |
| Methylene Chloride   | 31.7   | 50              | ug/kg | 40          |               | 79.3 | 75-130      |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | 44.1   | 5.0             | ug/kg | 40          |               | 110  | 70-135      |     |           |       |
| Tetrachloroethylene (PCE)                                      | 35.3   | 5.0             | ug/kg | 40          |               | 88.2 | 75-125      |     |           |       |
| Toluene  | 35.5   | 2.0             | ug/kg | 40          |               | 88.8 | 75-125      |     |           |       |
| 1,1,2-Trichloroethane  | 40.4   | 5.0             | ug/kg | 40          |               | 101  | 75-125      |     |           |       |
| 1,1,1-Trichloroethane  | 46.6   | 5.0             | ug/kg | 40          |               | 117  | 75-125      |     |           |       |

*Eydie Schwartz*

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 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |       |           |       |
| Batch B2I2704 - EPA 5035                                       |        |                 |       |             |               |      |             |       |           |       |
| <b>LCS (B2I2704-BS1) Continued</b>                             |        |                 |       |             |               |      |             |       |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |       |           |       |
| Trichloroethylene (TCE)  | 43.1   | 5.0             | ug/kg | 40          |               | 108  | 75-125      |       |           |       |
| Vinyl chloride   | 36.4   | 5.0             | ug/kg | 40          |               | 91.0 | 75-125      |       |           |       |
| o-Xylene   | 39.2   | 2.0             | ug/kg | 40          |               | 98.1 | 75-125      |       |           |       |
| Surrogate: 4-Bromofluorobenzene                                | 119    |                 | ug/kg | 100         |               | 119  | 70-140      |       |           |       |
| Surrogate: Dibromofluoromethane                                | 109    |                 | ug/kg | 100         |               | 109  | 70-140      |       |           |       |
| Surrogate: Toluene-d8  | 87.1   |                 | ug/kg | 100         |               | 87.1 | 70-140      |       |           |       |
| <b>Matrix Spike (B2I2704-MS1)</b>                              |        |                 |       |             |               |      |             |       |           |       |
| <b>Source: 2I25002-31</b>                                      |        |                 |       |             |               |      |             |       |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |       |           |       |
| Benzene  | 41.0   | 2.0             | ug/kg | 40          | <2.0          | 102  | 70-130      |       |           |       |
| Bromoform  | 41.4   | 5.0             | ug/kg | 40          | <5.0          | 104  | 70-130      |       |           |       |
| Chlorobenzene  | 40.4   | 5.0             | ug/kg | 40          | <5.0          | 101  | 70-130      |       |           |       |
| Chloroform   | 42.5   | 5.0             | ug/kg | 40          | <5.0          | 106  | 70-130      |       |           |       |
| 1,1-Dichloroethane   | 35.1   | 5.0             | ug/kg | 40          | <5.0          | 87.8 | 70-130      |       |           |       |
| cis-1,2-Dichloroethylene                                       | 40.1   | 5.0             | ug/kg | 40          | <5.0          | 100  | 70-130      |       |           |       |
| 1,1-Dichloroethylene   | 37.3   | 5.0             | ug/kg | 40          | <5.0          | 93.2 | 70-130      |       |           |       |
| 1,2-Dichloropropane  | 40.9   | 5.0             | ug/kg | 40          | <5.0          | 102  | 70-130      |       |           |       |
| Ethylbenzene   | 43.6   | 2.0             | ug/kg | 40          | <2.0          | 109  | 70-130      |       |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | 33.9   | 5.0             | ug/kg | 40          | <5.0          | 84.8 | 70-130      |       |           |       |
| n-Propylbenzene  | 48.5   | 5.0             | ug/kg | 40          | <5.0          | 121  | 70-130      |       |           |       |
| Tetrachloroethylene (PCE)                                      | 40.3   | 5.0             | ug/kg | 40          | <5.0          | 101  | 70-130      |       |           |       |
| Toluene  | 38.5   | 2.0             | ug/kg | 40          | <2.0          | 96.3 | 70-130      |       |           |       |
| 1,1,1-Trichloroethane  | 47.0   | 5.0             | ug/kg | 40          | <5.0          | 118  | 70-130      |       |           |       |
| Trichloroethylene (TCE)  | 43.8   | 5.0             | ug/kg | 40          | <5.0          | 109  | 70-130      |       |           |       |
| 1,3,5-Trimethylbenzene   | 49.7   | 5.0             | ug/kg | 40          | <5.0          | 124  | 70-130      |       |           |       |
| Vinyl chloride   | 38.0   | 5.0             | ug/kg | 40          | <5.0          | 95.0 | 70-130      |       |           |       |
| Surrogate: 4-Bromofluorobenzene                                | 113    |                 | ug/kg | 100         |               | 113  | 70-140      |       |           |       |
| Surrogate: Dibromofluoromethane                                | 97.0   |                 | ug/kg | 100         |               | 97.0 | 70-140      |       |           |       |
| Surrogate: Toluene-d8  | 88.0   |                 | ug/kg | 100         |               | 88.0 | 70-140      |       |           |       |
| <b>Matrix Spike Dup (B2I2704-MSD1)</b>                         |        |                 |       |             |               |      |             |       |           |       |
| <b>Source: 2I25002-31</b>                                      |        |                 |       |             |               |      |             |       |           |       |
| Prepared & Analyzed: 09/27/12                                  |        |                 |       |             |               |      |             |       |           |       |
| Benzene  | 40.6   | 2.0             | ug/kg | 40          | <2.0          | 102  | 70-130      | 0.784 | 40        |       |
| Bromoform  | 40.2   | 5.0             | ug/kg | 40          | <5.0          | 101  | 70-130      | 2.89  | 40        |       |
| Chlorobenzene  | 38.8   | 5.0             | ug/kg | 40          | <5.0          | 97.0 | 70-130      | 4.19  | 40        |       |

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**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

### VOCs, OXY & TPH Gasoline by GC/MS - Quality Control

Batch B212704 - EPA 5035

Matrix Spike Dup (B212704-MSD1) Source: 2125002-31 Prepared & Analyzed: 09/27/12

#### Continued

|                                |      |     |       |    |      |      |        |       |    |  |
|--------------------------------|------|-----|-------|----|------|------|--------|-------|----|--|
| Chloroform                     | 42.4 | 5.0 | ug/kg | 40 | <5.0 | 106  | 70-130 | 0.188 | 40 |  |
| 1,1-Dichloroethane             | 35.4 | 5.0 | ug/kg | 40 | <5.0 | 88.6 | 70-130 | 0.908 | 40 |  |
| cis-1,2-Dichloroethylene       | 40.7 | 5.0 | ug/kg | 40 | <5.0 | 102  | 70-130 | 1.49  | 40 |  |
| 1,1-Dichloroethylene           | 37.9 | 5.0 | ug/kg | 40 | <5.0 | 94.8 | 70-130 | 1.70  | 40 |  |
| 1,2-Dichloropropane            | 39.8 | 5.0 | ug/kg | 40 | <5.0 | 99.4 | 70-130 | 2.83  | 40 |  |
| Ethylbenzene                   | 41.5 | 2.0 | ug/kg | 40 | <2.0 | 104  | 70-130 | 4.89  | 40 |  |
| Methyl-tert-Butyl Ether (MTBE) | 33.1 | 5.0 | ug/kg | 40 | <5.0 | 82.8 | 70-130 | 2.45  | 40 |  |
| n-Propylbenzene                | 46.1 | 5.0 | ug/kg | 40 | <5.0 | 115  | 70-130 | 5.16  | 40 |  |
| Tetrachloroethylene (PCE)      | 39.1 | 5.0 | ug/kg | 40 | <5.0 | 97.8 | 70-130 | 3.02  | 40 |  |
| Toluene                        | 37.5 | 2.0 | ug/kg | 40 | <2.0 | 93.8 | 70-130 | 2.68  | 40 |  |
| 1,1,1-Trichloroethane          | 45.6 | 5.0 | ug/kg | 40 | <5.0 | 114  | 70-130 | 3.02  | 40 |  |
| Trichloroethylene (TCE)        | 43.5 | 5.0 | ug/kg | 40 | <5.0 | 109  | 70-130 | 0.596 | 40 |  |
| 1,3,5-Trimethylbenzene         | 47.3 | 5.0 | ug/kg | 40 | <5.0 | 118  | 70-130 | 4.91  | 40 |  |
| Vinyl chloride                 | 38.6 | 5.0 | ug/kg | 40 | <5.0 | 96.4 | 70-130 | 1.52  | 40 |  |

|                                 |      |  |       |     |  |      |        |  |  |  |
|---------------------------------|------|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: 4-Bromofluorobenzene | 112  |  | ug/kg | 100 |  | 112  | 70-140 |  |  |  |
| Surrogate: Dibromofluoromethane | 99.8 |  | ug/kg | 100 |  | 99.8 | 70-140 |  |  |  |
| Surrogate: Toluene-d8           | 90.6 |  | ug/kg | 100 |  | 90.6 | 70-140 |  |  |  |

Batch B212807 - EPA 5030B

#### Blank (B212807-BLK1)

Prepared & Analyzed: 09/28/12

|                               |      |     |       |  |  |  |  |  |  |  |
|-------------------------------|------|-----|-------|--|--|--|--|--|--|--|
| Acetone                       | <5.0 | 50  | ug/kg |  |  |  |  |  |  |  |
| tert-Amyl Methyl Ether (TAME) | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Benzene                       | <2.0 | 2.0 | ug/kg |  |  |  |  |  |  |  |
| Bromobenzene                  | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Bromochloromethane            | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Bromodichloromethane          | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Bromoform                     | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| Bromomethane                  | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |
| 2-Butanone (MEK)              | <5.0 | 50  | ug/kg |  |  |  |  |  |  |  |
| tert-Butyl alcohol (TBA)      | <20  | 20  | ug/kg |  |  |  |  |  |  |  |
| tert-Butylbenzene             | <5.0 | 5.0 | ug/kg |  |  |  |  |  |  |  |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |     |           |       |
| <i>Batch B212807 - EPA 5030B</i>                               |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B212807-BLK1) Continued</b>                          |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/28/12                                  |        |                 |       |             |               |      |             |     |           |       |
| sec-Butylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| n-Butylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Carbon Disulfide   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Carbon Tetrachloride   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chloroethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chloroform   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Chloromethane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 2-Chlorotoluene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 4-Chlorotoluene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dibromo-3-chloropropane                                    | <10    | 10              | ug/kg |             |               |      |             |     |           |       |
| Dibromochloromethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dibromoethane (EDB)  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Dibromomethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dichlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,3-Dichlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,4-Dichlorobenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Dichlorodifluoromethane (R12)                                  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1-Dichloroethane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dichloroethane (EDC)                                       | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| trans-1,2-Dichloroethylene                                     | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| cis-1,2-Dichloroethylene                                       | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1-Dichloroethylene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 2,2-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,3-Dichloropropane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1-Dichloropropylene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| trans-1,3-Dichloropropylene                                    | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| cis-1,3-Dichloropropylene                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Diisopropyl ether (DIPE)                                       | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Ethylbenzene   | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| Ethyl-tert-Butyl Ether (ETBE)                                  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |     |           |       |
| <i>Batch B212807 - EPA 5030B</i>                               |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B212807-BLK1) Continued</b>                          |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/28/12                                  |        |                 |       |             |               |      |             |     |           |       |
| Gasoline Range Organics (GRO)                                  | <500   | 500             | ug/kg |             |               |      |             |     |           |       |
| Hexachlorobutadiene  | <10    | 10              | ug/kg |             |               |      |             |     |           |       |
| 2-Hexanone (MBK)   | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| Isopropylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 4-Isopropyltoluene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Methylene Chloride   | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| 4-Methyl-2-pentanone (MIBK)                                    | <50    | 50              | ug/kg |             |               |      |             |     |           |       |
| Naphthalene  | <10    | 10              | ug/kg |             |               |      |             |     |           |       |
| n-Propylbenzene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Styrene  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,1,2-Tetrachloroethane                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Tetrachloroethylene (PCE)                                      | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Toluene  | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,4-Trichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,3-Trichlorobenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,2-Trichloroethane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,1-Trichloroethane  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Trichloroethylene (TCE)  | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Trichlorofluoromethane (R11)                                   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,3-Trichloropropane   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113)                   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,3,5-Trimethylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| 1,2,4-Trimethylbenzene   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| Vinyl chloride   | <5.0   | 5.0             | ug/kg |             |               |      |             |     |           |       |
| o-Xylene   | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| m,p-Xylenes  | <2.0   | 2.0             | ug/kg |             |               |      |             |     |           |       |
| Surrogate: 4-Bromofluorobenzene                                | 104    |                 | ug/kg | 100         |               | 104  | 70-140      |     |           |       |
| Surrogate: Dibromofluoromethane                                | 95.5   |                 | ug/kg | 100         |               | 95.5 | 70-140      |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |     |           |       |
| <i>Batch B2I2807 - EPA 5030B</i>                               |        |                 |       |             |               |      |             |     |           |       |
| <b>Blank (B2I2807-BLK1) Continued</b>                          |        |                 |       |             |               |      |             |     |           |       |
| Prepared & Analyzed: 09/28/12                                  |        |                 |       |             |               |      |             |     |           |       |
| <i>Surrogate: Toluene-d8</i>                                   | 111    |                 | ug/kg | 100         |               | 111  | 70-140      |     |           |       |
| <b>LCS (B2I2807-BS1)</b>                                       |        |                 |       |             |               |      |             |     |           |       |
| Prepared: 09/28/12 Analyzed: 09/29/12                          |        |                 |       |             |               |      |             |     |           |       |
| Benzene  | 41.9   | 2.0             | ug/kg | 40          |               | 105  | 75-125      |     |           |       |
| Bromodichloromethane   | 39.0   | 5.0             | ug/kg | 40          |               | 97.4 | 75-125      |     |           |       |
| Bromoform  | 35.5   | 5.0             | ug/kg | 40          |               | 88.7 | 75-125      |     |           |       |
| Carbon Tetrachloride   | 34.2   | 5.0             | ug/kg | 40          |               | 85.6 | 75-125      |     |           |       |
| Chlorobenzene  | 38.3   | 5.0             | ug/kg | 40          |               | 95.8 | 75-125      |     |           |       |
| Chloroethane   | 42.5   | 5.0             | ug/kg | 40          |               | 106  | 75-125      |     |           |       |
| Chloroform   | 34.0   | 5.0             | ug/kg | 40          |               | 85.0 | 75-125      |     |           |       |
| Chloromethane  | 42.6   | 5.0             | ug/kg | 40          |               | 106  | 65-125      |     |           |       |
| Dibromochloromethane   | 36.9   | 5.0             | ug/kg | 40          |               | 92.2 | 75-125      |     |           |       |
| 1,4-Dichlorobenzene  | 38.7   | 5.0             | ug/kg | 40          |               | 96.8 | 75-125      |     |           |       |
| 1,1-Dichloroethane   | 40.4   | 5.0             | ug/kg | 40          |               | 101  | 70-125      |     |           |       |
| 1,2-Dichloroethane (EDC)                                       | 36.4   | 5.0             | ug/kg | 40          |               | 91.1 | 75-125      |     |           |       |
| trans-1,2-Dichloroethylene                                     | 42.7   | 5.0             | ug/kg | 40          |               | 107  | 75-125      |     |           |       |
| cis-1,2-Dichloroethylene                                       | 41.1   | 5.0             | ug/kg | 40          |               | 103  | 75-125      |     |           |       |
| 1,1-Dichloroethylene   | 38.0   | 5.0             | ug/kg | 40          |               | 95.0 | 70-130      |     |           |       |
| 1,2-Dichloropropane  | 44.4   | 5.0             | ug/kg | 40          |               | 111  | 75-130      |     |           |       |
| cis-1,3-Dichloropropylene                                      | 35.5   | 5.0             | ug/kg | 40          |               | 88.6 | 75-125      |     |           |       |
| Ethylbenzene   | 39.3   | 2.0             | ug/kg | 40          |               | 98.2 | 75-125      |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | 39.4   | 5.0             | ug/kg | 40          |               | 98.5 | 75-125      |     |           |       |
| Methylene Chloride   | 44.3   | 50              | ug/kg | 40          |               | 111  | 75-130      |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | 39.7   | 5.0             | ug/kg | 40          |               | 99.2 | 70-135      |     |           |       |
| Tetrachloroethylene (PCE)                                      | 37.6   | 5.0             | ug/kg | 40          |               | 94.0 | 75-125      |     |           |       |
| Toluene  | 39.1   | 2.0             | ug/kg | 40          |               | 97.8 | 75-125      |     |           |       |
| 1,1,2-Trichloroethane  | 43.1   | 5.0             | ug/kg | 40          |               | 108  | 75-125      |     |           |       |
| 1,1,1-Trichloroethane  | 36.9   | 5.0             | ug/kg | 40          |               | 92.4 | 75-125      |     |           |       |
| Trichloroethylene (TCE)  | 40.7   | 5.0             | ug/kg | 40          |               | 102  | 75-125      |     |           |       |
| Vinyl chloride   | 34.5   | 5.0             | ug/kg | 40          |               | 86.2 | 75-125      |     |           |       |
| o-Xylene   | 39.9   | 2.0             | ug/kg | 40          |               | 99.8 | 75-125      |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | 107    |                 | ug/kg | 100         |               | 107  | 70-140      |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager





## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87301  
 Date Received: 09/25/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|--------|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |        |                 |       |             |               |      |             |        |           |       |
| Batch B2I2807 - EPA 5030B                                      |        |                 |       |             |               |      |             |        |           |       |
| <b>LCS (B2I2807-BS1) Continued</b>                             |        |                 |       |             |               |      |             |        |           |       |
| Prepared: 09/28/12 Analyzed: 09/29/12                          |        |                 |       |             |               |      |             |        |           |       |
| Surrogate: Dibromofluoromethane                                | 99.9   |                 | ug/kg | 100         |               | 99.9 | 70-140      |        |           |       |
| Surrogate: Toluene-d8  | 106    |                 | ug/kg | 100         |               | 106  | 70-140      |        |           |       |
| <b>LCS Dup (B2I2807-BSD1)</b>                                  |        |                 |       |             |               |      |             |        |           |       |
| Prepared & Analyzed: 09/28/12                                  |        |                 |       |             |               |      |             |        |           |       |
| Benzene  | 41.3   | 2.0             | ug/kg | 40          |               | 103  | 75-125      | 1.35   | 30        |       |
| Bromodichloromethane   | 39.8   | 5.0             | ug/kg | 40          |               | 99.4 | 75-125      | 1.98   | 30        |       |
| Bromoform  | 37.8   | 5.0             | ug/kg | 40          |               | 94.4 | 75-125      | 6.28   | 30        |       |
| Carbon Tetrachloride   | 35.0   | 5.0             | ug/kg | 40          |               | 87.5 | 75-125      | 2.20   | 30        |       |
| Chlorobenzene  | 40.5   | 5.0             | ug/kg | 40          |               | 101  | 75-125      | 5.63   | 30        |       |
| Chloroethane   | 45.1   | 5.0             | ug/kg | 40          |               | 113  | 75-125      | 5.80   | 30        |       |
| Chloroform   | 41.5   | 5.0             | ug/kg | 40          |               | 104  | 75-125      | 19.9   | 30        |       |
| Chloromethane  | 38.6   | 5.0             | ug/kg | 40          |               | 96.4 | 65-125      | 9.90   | 30        |       |
| Dibromochloromethane   | 40.3   | 5.0             | ug/kg | 40          |               | 101  | 75-125      | 8.82   | 30        |       |
| 1,4-Dichlorobenzene  | 41.0   | 5.0             | ug/kg | 40          |               | 102  | 75-125      | 5.72   | 30        |       |
| 1,1-Dichloroethane   | 41.4   | 5.0             | ug/kg | 40          |               | 104  | 70-125      | 2.64   | 30        |       |
| 1,2-Dichloroethane (EDC)                                       | 36.7   | 5.0             | ug/kg | 40          |               | 91.7 | 75-125      | 0.656  | 30        |       |
| trans-1,2-Dichloroethylene                                     | 42.3   | 5.0             | ug/kg | 40          |               | 106  | 75-125      | 0.941  | 30        |       |
| cis-1,2-Dichloroethylene                                       | 41.1   | 5.0             | ug/kg | 40          |               | 103  | 75-125      | 0.0973 | 30        |       |
| 1,1-Dichloroethylene   | 38.9   | 5.0             | ug/kg | 40          |               | 97.2 | 70-130      | 2.24   | 30        |       |
| 1,2-Dichloropropane  | 45.9   | 5.0             | ug/kg | 40          |               | 115  | 75-130      | 3.24   | 30        |       |
| cis-1,3-Dichloropropylene                                      | 48.6   | 5.0             | ug/kg | 40          |               | 122  | 75-125      | 31.3   | 30        | QR-02 |
| Ethylbenzene   | 40.2   | 2.0             | ug/kg | 40          |               | 101  | 75-125      | 2.47   | 30        |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | 42.3   | 5.0             | ug/kg | 40          |               | 106  | 75-125      | 7.19   | 30        |       |
| Methylene Chloride   | 43.8   | 50              | ug/kg | 40          |               | 110  | 75-130      | 0.999  | 30        |       |
| 1,1,2,2-Tetrachloroethane                                      | 49.0   | 5.0             | ug/kg | 40          |               | 123  | 70-135      | 21.1   | 30        |       |
| Tetrachloroethylene (PCE)                                      | 37.9   | 5.0             | ug/kg | 40          |               | 94.8 | 75-125      | 0.795  | 30        |       |
| Toluene  | 40.5   | 2.0             | ug/kg | 40          |               | 101  | 75-125      | 3.42   | 30        |       |
| 1,1,2-Trichloroethane  | 47.8   | 5.0             | ug/kg | 40          |               | 120  | 75-125      | 10.5   | 30        |       |
| 1,1,1-Trichloroethane  | 37.2   | 5.0             | ug/kg | 40          |               | 93.0 | 75-125      | 0.755  | 30        |       |
| Trichloroethylene (TCE)  | 41.3   | 5.0             | ug/kg | 40          |               | 103  | 75-125      | 1.61   | 30        |       |
| Vinyl chloride   | 38.1   | 5.0             | ug/kg | 40          |               | 95.2 | 75-125      | 9.98   | 30        |       |
| o-Xylene   | 40.1   | 2.0             | ug/kg | 40          |               | 100  | 75-125      | 0.500  | 30        |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



### LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
Project No: NA  
Project Name: Kawahara Nursery

AA Project No: A87301  
Date Received: 09/25/12  
Date Reported: 10/15/12

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**VOCs, OXY & TPH Gasoline by GC/MS - Quality Control**

Batch B2I2807 - EPA 5030B

**LCS Dup (B2I2807-BSD1) Continued**

Prepared & Analyzed: 09/28/12

|                                 |      |  |       |     |  |      |        |  |  |  |
|---------------------------------|------|--|-------|-----|--|------|--------|--|--|--|
| Surrogate: 4-Bromofluorobenzene | 102  |  | ug/kg | 100 |  | 102  | 70-140 |  |  |  |
| Surrogate: Dibromofluoromethane | 98.8 |  | ug/kg | 100 |  | 98.8 | 70-140 |  |  |  |
| Surrogate: Toluene-d8           | 107  |  | ug/kg | 100 |  | 107  | 70-140 |  |  |  |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87301  
**Date Received:** 09/25/12  
**Date Reported:** 10/15/12

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### Special Notes

- [1] = **AA-C1** : The percent recovery for this analyte exceeds acceptance criteria.
- [2] = **QR-02** : The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- [3] = **S-GC** : Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate(s).

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



A87301/2I25002

115717

Frank Goldman  
 PO BOX 224, Roseville, CA 95678  
 FJGoldmanCHG@yahoo.com  
 Phone: (916) 676-2677

## CHAIN OF CUSTODY RECORD

Laboratory Analysis P.O. No. \_\_\_\_\_  
 Laboratory Please Call Accounts Payable for P.O. No. \_\_\_\_\_  
 Date: 9/17/12 Sheet 2 of 4

|  |  |                       |
|--|--|-----------------------|
| Project Name <u>Kawahara Nursery</u>                   | <b>Parameters</b><br>TPH as Gasoline 8015<br>TPH as Diesel 8015<br>TPH-g/BTEX 8015/8020 & MTBE<br>BTEX & EPA 8020<br>Oil and Grease 5520<br>Volatile Organics (8010)<br>CAM Metals (17)<br>Pr. Pollutant Metals (13)<br>Base/Neu/Acids (Organic)<br>Pesticides 8140/8141<br>Method 8260b for 5 oxygenates & 2 lead scavengers<br><u>GRO, S2606, BTEX, MTBE</u><br><u>Alcohols</u><br>Bulk density, moisture, porosity<br>fraction of organic carbon<br>SOIL SAMPLE<br>WATER SAMPLE | American Analytics    |
| Project Number _____                                   |  | 9765 Eton Ave         |
| Address <u>16550 Ashland</u><br><u>San Lorenzo, CA</u> |  | Chatsworth, CA 91311  |
| Sampler's Name: <u>Frank Goldman</u>                   |  | Phone: (818) 998-5547 |

|   |          |         |                 |  |            |
|---|----------|---------|-----------------|--|------------|
| Sampler's Signature: <u>Frank Goldman</u> |          |         |                 | Turnaround Time  |            |
| Sample Number                             | Location | Date    | Time            | <input type="checkbox"/> Rush<br><input type="checkbox"/> 24 Hour<br><input type="checkbox"/> 48 Hour<br><input checked="" type="checkbox"/> 5-Day |            |
|   |          |         |                 | Repeat to: <u>Frank</u>  |            |
|   |          |         |                 | Comments   |            |
| Z2  | 7 1/2-8  | 9/17/12 | 2 <sup>40</sup> | X  | 2I25002-11 |
| Z2  | 8 1/2-9  | 9/17/12 | 2 <sup>45</sup> | X  | 12         |
| Z1  | 4 1/2-5  |         | 3 <sup>10</sup> |  | 13         |
| Z1  | 6-6 1/2  |         | 3 <sup>15</sup> | X  | 14         |
| Z1  | 7 1/2-8  |         | 3 <sup>20</sup> |  | 15         |
| Z1  | 9-9 1/2  |         | 3 <sup>25</sup> | X  | 16         |
| Z7  | 4 1/2-5  |         | 3 <sup>30</sup> | X  | 17         |
| Z7  | 9-9 1/2  |         | 3 <sup>40</sup> | X  | 18         |
| Z8  | 4 1/2-5  |         | 4 <sup>10</sup> | X  | 19         |
| Z8  | 9-9 1/2  | ✓       | 4 <sup>10</sup> | X  | 20         |

|                                     |                      |                      |                                 |                      |                    |   |
|-------------------------------------|----------------------|----------------------|---------------------------------|----------------------|--------------------|---|
| Relinquished By: <u>[Signature]</u> | Date: <u>9/19/12</u> | Time: <u>1:15 PM</u> | Received By: <u>[Signature]</u> | Date: <u>9/19/12</u> | Time: <u>1:15</u>  | Total Number of Containers this Sheet: _____                          |
| Relinquished By: <u>Fred Ex</u>     | Date: <u>9/25/12</u> | Time: <u>11:05</u>   | Received By: <u>[Signature]</u> | Date: <u>9/25/12</u> | Time: <u>11:05</u> |   |
| Dispatched By: _____                | Date: _____          | Time: _____          | Received in Lab By: _____       | Date: _____          | Time: _____        | Special Shipment/Handling or Storage Requirements: <u>Keep on Ice</u> |

A87301 / 2J25002

115718

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 Phone: (916) 676-2677

# CHAIN OF CUSTODY RECORD

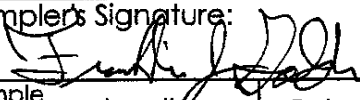
Laboratory Analysis P.O. No. \_\_\_\_\_  
 Laboratory Please Call Accounts Payable for P.O. No. \_\_\_\_\_

Date: 9/18/12 Sheet 3 of 4

Project Name Kawahara Nursery  
 Project Number \_\_\_\_\_  
 Address 16550 Ashland  
San Lorenzo, CA

Sampler's Name:  
**Frank Goldman**

Sampler's Signature:



## Parameters

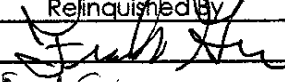
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|----------------------|--------------------|-----------------------------|-----------------|---------------------|--------------------------|-----------------|---------------------------|--------------------------|----------------------|---|--|-------------|--------------|--|
| TPH as Gasoline 8015 | TPH as Diesel 8015 | TPH-g/BTEX 8015/8020 & MTBE | BTEX & EPA 8020 | Oil and Grease 5520 | Volatile Organics (8010) | CAM Metals (17) | Pr. Pollutant Metals (13) | Base/Neu/Acids (Organic) | Pesticides 8140/8141 | Method 8260b for 5 oxygenates & 2 lead scavengers | GRO, 8260b, BTEX, MTBE, Methylene, bulk density, moisture, porosity fraction of organic carbon | SOIL SAMPLE | WATER SAMPLE |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |
|                      |                    |                             |                 |                     |                          |                 |                           |                          |                      |   |  |             |              |  |

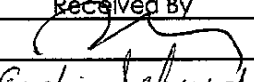
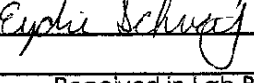
American Analytics  
 9765 Eton Ave  
 Chatsworth, CA 91311  
 Phone: (818) 998-5547

Phone Turnaround Time  
 Rush  24 Hour  48 Hour  5-Day  
 Repeat to: **Frank**

| Sample Number | Location    | Date    | Time     |
|---------------|-------------|---------|----------|
| Z6            | 5 1/2 - 6   | 9/18/12 | 8:40 AM  |
| Z6            | 11 - 11 1/2 |         | 8:50     |
| Z6            | 12 1/2 - 13 |         | 8:55     |
| Z6            | 14 - 14 1/2 |         | 9:05     |
| Z6            | 15 - 15 1/2 |         | 9:10     |
| Z6            | 15 1/2 - 16 |         | 9:15     |
| Z5            | 6 - 6 1/2   |         | 9:40 AM  |
| Z5            | 11 - 11 1/2 |         | 9:45     |
| Z5            | 13 - 13 1/2 |         | 9:55     |
| Z5            | 15 - 15 1/2 |         | 10:00 AM |

Comments  
 2J25002-21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30

| Relinquished By   | Date    | Time    |
|---|---------|---------|
|  | 9/19/12 | 1:15 PM |
| Fed Ex  | 9/25/12 | 11:05   |
| Dispatched By   | Date    | Time    |

| Received By  | Date    | Time  |
|--|---------|-------|
|  | 9/19/12 | 1:15  |
|  | 9/25/12 | 11:05 |
| Received in Lab By   | Date    | Time  |

Total Number of Containers this Sheet: \_\_\_\_\_  
 Method of Shipment: Fed Ex  
 Special Shipment/Handling or Storage Requirements:  
**Keep on Ice**

SEP 25 11 52 AM '12





9765 Eton Avenue  
Chatsworth  
California 91311  
Tel: (818) 998-5547  
Fax: (818) 998-7258

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October 15, 2012

Kawahara Nursery  
Kawahara Nursery  
16550 Ashland  
San Lorenzo, CA 99999

**Re : Kawahara Nursery**  
**A87302 / 2J03006**

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 10/03/12 11:33 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analyticals.

Sincerely,

A handwritten signature in black ink that reads 'Eydie Schwartz'.

Eydie Schwartz  
Project Manager





## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12

| Sample ID | Laboratory ID | Matrix | TAT | Date Sampled | Date Received |
|-----------|---------------|--------|-----|--------------|---------------|
|-----------|---------------|--------|-----|--------------|---------------|

**8260B+OXY+TPHG**

|      |            |       |   |                |                |
|------|------------|-------|---|----------------|----------------|
| MW-6 | 2J03006-01 | Water | 5 | 09/28/12 13:10 | 10/03/12 11:33 |
|------|------------|-------|---|----------------|----------------|

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12

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### ANALYTICAL DATA SUMMARY

| Analyte | Sample Name | Result | MRL | Units | Dilution | Prepared | Analyzed | Method |
|---------|-------------|--------|-----|-------|----------|----------|----------|--------|
|---------|-------------|--------|-----|-------|----------|----------|----------|--------|

### VOCs, OXY & TPH Gasoline by GC/MS

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*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12  
**Units:** ug/L

---

**Date Sampled:** 09/28/12  
**Date Prepared:** 10/09/12  
**Date Analyzed:** 10/09/12  
**AA ID No:** 2J03006-01  
**Client ID No:** MW-6  
**Matrix:** Water  
**Dilution Factor:** 1

---

**8260B+OXY+TPHG (EPA 8260B)**

|                               |       | MRL  |
|-------------------------------|-------|------|
| Acetone                       | <10   | 10   |
| tert-Amyl Methyl Ether (TAME) | <2.0  | 2.0  |
| Benzene                       | <0.50 | 0.50 |
| Bromobenzene                  | <0.50 | 0.50 |
| Bromochloromethane            | <0.50 | 0.50 |
| Bromodichloromethane          | <0.50 | 0.50 |
| Bromoform                     | <0.50 | 0.50 |
| Bromomethane                  | <0.50 | 0.50 |
| 2-Butanone (MEK)              | <10   | 10   |
| tert-Butyl alcohol (TBA)      | <10   | 10   |
| sec-Butylbenzene              | <0.50 | 0.50 |
| tert-Butylbenzene             | <0.50 | 0.50 |
| n-Butylbenzene                | <0.50 | 0.50 |
| Carbon Disulfide              | <0.50 | 0.50 |
| Carbon Tetrachloride          | <0.50 | 0.50 |
| Chlorobenzene                 | <0.50 | 0.50 |
| Chloroethane                  | <0.50 | 0.50 |
| Chloroform                    | <0.50 | 0.50 |
| Chloromethane                 | <0.50 | 0.50 |
| 2-Chlorotoluene               | <0.50 | 0.50 |
| 4-Chlorotoluene               | <0.50 | 0.50 |
| 1,2-Dibromo-3-chloropropane   | <1.0  | 1.0  |
| Dibromochloromethane          | <0.50 | 0.50 |
| 1,2-Dibromoethane (EDB)       | <0.50 | 0.50 |
| Dibromomethane                | <0.50 | 0.50 |
| 1,3-Dichlorobenzene           | <0.50 | 0.50 |
| 1,2-Dichlorobenzene           | <0.50 | 0.50 |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12  
**Units:** ug/L

---

|                         |            |     |
|-------------------------|------------|-----|
| <b>Date Sampled:</b>    | 09/28/12   |     |
| <b>Date Prepared:</b>   | 10/09/12   |     |
| <b>Date Analyzed:</b>   | 10/09/12   |     |
| <b>AA ID No:</b>        | 2J03006-01 |     |
| <b>Client ID No:</b>    | MW-6       |     |
| <b>Matrix:</b>          | Water      |     |
| <b>Dilution Factor:</b> | 1          | MRL |

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### 8260B+OXY+TPHG (EPA 8260B) (continued)

|                                |       |      |
|--------------------------------|-------|------|
| 1,4-Dichlorobenzene            | <0.50 | 0.50 |
| Dichlorodifluoromethane (R12)  | <0.50 | 0.50 |
| 1,1-Dichloroethane             | <0.50 | 0.50 |
| 1,2-Dichloroethane (EDC)       | <0.50 | 0.50 |
| 1,1-Dichloroethylene           | <0.50 | 0.50 |
| trans-1,2-Dichloroethylene     | <0.50 | 0.50 |
| cis-1,2-Dichloroethylene       | <0.50 | 0.50 |
| 1,2-Dichloropropane            | <0.50 | 0.50 |
| 2,2-Dichloropropane            | <0.50 | 0.50 |
| 1,3-Dichloropropane            | <0.50 | 0.50 |
| cis-1,3-Dichloropropylene      | <0.50 | 0.50 |
| trans-1,3-Dichloropropylene    | <0.50 | 0.50 |
| 1,1-Dichloropropylene          | <0.50 | 0.50 |
| Diisopropyl ether (DIPE)       | <2.0  | 2.0  |
| Ethylbenzene                   | <0.50 | 0.50 |
| Ethyl-tert-Butyl Ether (ETBE)  | <2.0  | 2.0  |
| Gasoline Range Organics (GRO)  | <100  | 100  |
| Hexachlorobutadiene            | <1.0  | 1.0  |
| 2-Hexanone (MBK)               | <10   | 10   |
| Isopropylbenzene               | <0.50 | 0.50 |
| 4-Isopropyltoluene             | <1.0  | 1.0  |
| Methyl-tert-Butyl Ether (MTBE) | <2.0  | 2.0  |
| Methylene Chloride             | <5.0  | 5.0  |
| 4-Methyl-2-pentanone (MIBK)    | <10   | 10   |
| Naphthalene                    | <2.0  | 2.0  |
| n-Propylbenzene                | <0.50 | 0.50 |

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*Eydie Schwartz*

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**Eydie Schwartz**  
 Project Manager



### LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery  
**Method:** VOCs, OXY & TPH Gasoline by GC/MS

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12  
**Units:** ug/L

---

**Date Sampled:** 09/28/12  
**Date Prepared:** 10/09/12  
**Date Analyzed:** 10/09/12  
**AA ID No:** 2J03006-01  
**Client ID No:** MW-6  
**Matrix:** Water  
**Dilution Factor:** 1

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**8260B+OXY+TPHG (EPA 8260B) (continued)**

|  |       |      |
|--|-------|------|
| Styrene                                      | <0.50 | 0.50 |
| 1,1,1,2-Tetrachloroethane                    | <0.50 | 0.50 |
| 1,1,2,2-Tetrachloroethane                    | <0.50 | 0.50 |
| Tetrachloroethylene (PCE)                    | <0.50 | 0.50 |
| Toluene                                      | <0.50 | 0.50 |
| 1,2,3-Trichlorobenzene                       | <0.50 | 0.50 |
| 1,2,4-Trichlorobenzene                       | <0.50 | 0.50 |
| 1,1,1-Trichloroethane                        | <0.50 | 0.50 |
| 1,1,2-Trichloroethane                        | <0.50 | 0.50 |
| Trichloroethylene (TCE)                      | <0.50 | 0.50 |
| Trichlorofluoromethane (R11)                 | <0.50 | 0.50 |
| 1,2,3-Trichloropropane                       | <0.50 | 0.50 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113) | <0.50 | 0.50 |
| 1,3,5-Trimethylbenzene                       | <0.50 | 0.50 |
| 1,2,4-Trimethylbenzene                       | <0.50 | 0.50 |
| Vinyl chloride                               | <0.50 | 0.50 |
| o-Xylene                                     | <0.50 | 0.50 |
| m,p-Xylenes                                  | <1.0  | 1.0  |

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| <b>Surrogates</b>    |      | <b>%REC Limits</b> |
|----------------------|------|--------------------|
| 4-Bromofluorobenzene | 112% | 70-140             |
| Dibromofluoromethane | 100% | 70-140             |
| Toluene-d8           | 109% | 70-140             |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager

**LABORATORY ANALYSIS RESULTS**

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-------|

**VOCs, OXY & TPH Gasoline by GC/MS - Quality Control**

Batch B2J0904 - EPA 5030B

**Blank (B2J0904-BLK1)**

Prepared &amp; Analyzed: 10/09/12

|                               |       |      |      |  |  |  |  |  |  |  |
|-------------------------------|-------|------|------|--|--|--|--|--|--|--|
| Acetone                       | <10   | 10   | ug/L |  |  |  |  |  |  |  |
| tert-Amyl Methyl Ether (TAME) | <2.0  | 2.0  | ug/L |  |  |  |  |  |  |  |
| Benzene                       | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Bromobenzene                  | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Bromochloromethane            | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Bromodichloromethane          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Bromoform                     | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Bromomethane                  | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 2-Butanone (MEK)              | <10   | 10   | ug/L |  |  |  |  |  |  |  |
| tert-Butyl alcohol (TBA)      | <10   | 10   | ug/L |  |  |  |  |  |  |  |
| sec-Butylbenzene              | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| tert-Butylbenzene             | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| n-Butylbenzene                | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Carbon Disulfide              | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Carbon Tetrachloride          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Chlorobenzene                 | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Chloroethane                  | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Chloroform                    | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Chloromethane                 | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 2-Chlorotoluene               | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 4-Chlorotoluene               | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2-Dibromo-3-chloropropane   | <1.0  | 1.0  | ug/L |  |  |  |  |  |  |  |
| Dibromochloromethane          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2-Dibromoethane (EDB)       | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Dibromomethane                | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,3-Dichlorobenzene           | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2-Dichlorobenzene           | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,4-Dichlorobenzene           | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Dichlorodifluoromethane (R12) | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1-Dichloroethane            | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2-Dichloroethane (EDC)      | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1-Dichloroethylene          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**VOCs, OXY & TPH Gasoline by GC/MS - Quality Control**

Batch B2J0904 - EPA 5030B

**Blank (B2J0904-BLK1) Continued**

Prepared & Analyzed: 10/09/12

|                                |       |      |      |  |  |  |  |  |  |  |
|--------------------------------|-------|------|------|--|--|--|--|--|--|--|
| trans-1,2-Dichloroethylene     | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| cis-1,2-Dichloroethylene       | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2-Dichloropropane            | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 2,2-Dichloropropane            | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,3-Dichloropropane            | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| cis-1,3-Dichloropropylene      | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| trans-1,3-Dichloropropylene    | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1-Dichloropropylene          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Diisopropyl ether (DIPE)       | <2.0  | 2.0  | ug/L |  |  |  |  |  |  |  |
| Ethylbenzene                   | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Ethyl-tert-Butyl Ether (ETBE)  | <2.0  | 2.0  | ug/L |  |  |  |  |  |  |  |
| Gasoline Range Organics (GRO)  | <100  | 100  | ug/L |  |  |  |  |  |  |  |
| Hexachlorobutadiene            | <1.0  | 1.0  | ug/L |  |  |  |  |  |  |  |
| 2-Hexanone (MBK)               | <10   | 10   | ug/L |  |  |  |  |  |  |  |
| Isopropylbenzene               | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 4-Isopropyltoluene             | <1.0  | 1.0  | ug/L |  |  |  |  |  |  |  |
| Methyl-tert-Butyl Ether (MTBE) | <2.0  | 2.0  | ug/L |  |  |  |  |  |  |  |
| Methylene Chloride             | <5.0  | 5.0  | ug/L |  |  |  |  |  |  |  |
| 4-Methyl-2-pentanone (MIBK)    | <10   | 10   | ug/L |  |  |  |  |  |  |  |
| Naphthalene                    | <2.0  | 2.0  | ug/L |  |  |  |  |  |  |  |
| n-Propylbenzene                | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Styrene                        | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1,1,2-Tetrachloroethane      | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1,2,2-Tetrachloroethane      | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Tetrachloroethylene (PCE)      | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Toluene                        | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2,3-Trichlorobenzene         | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,2,4-Trichlorobenzene         | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane          | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Trichloroethylene (TCE)        | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |
| Trichlorofluoromethane (R11)   | <0.50 | 0.50 | ug/L |  |  |  |  |  |  |  |

*Eydie Schwartz*

**Eydie Schwartz**  
Project Manager



**LABORATORY ANALYSIS RESULTS**

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12

| Analyte  | Result      | Reporting Limit | Units       | Spike Level | Source Result | %REC       | %REC Limits   | RPD | RPD Limit | Notes |
|--|-------------|-----------------|-------------|-------------|---------------|------------|---------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |             |                 |             |             |               |            |               |     |           |       |
| <i>Batch B2J0904 - EPA 5030B</i>                               |             |                 |             |             |               |            |               |     |           |       |
| <b>Blank (B2J0904-BLK1) Continued</b>                          |             |                 |             |             |               |            |               |     |           |       |
| Prepared & Analyzed: 10/09/12                                  |             |                 |             |             |               |            |               |     |           |       |
| 1,2,3-Trichloropropane   | <0.50       | 0.50            | ug/L        |             |               |            |               |     |           |       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (R113)                   | <0.50       | 0.50            | ug/L        |             |               |            |               |     |           |       |
| 1,3,5-Trimethylbenzene   | <0.50       | 0.50            | ug/L        |             |               |            |               |     |           |       |
| 1,2,4-Trimethylbenzene   | <0.50       | 0.50            | ug/L        |             |               |            |               |     |           |       |
| Vinyl chloride   | <0.50       | 0.50            | ug/L        |             |               |            |               |     |           |       |
| o-Xylene   | <0.50       | 0.50            | ug/L        |             |               |            |               |     |           |       |
| m,p-Xylenes  | <1.0        | 1.0             | ug/L        |             |               |            |               |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | <i>55.0</i> |                 | <i>ug/L</i> | <i>50</i>   |               | <i>110</i> | <i>70-140</i> |     |           |       |
| <i>Surrogate: Dibromofluoromethane</i>                         | <i>51.5</i> |                 | <i>ug/L</i> | <i>50</i>   |               | <i>103</i> | <i>70-140</i> |     |           |       |
| <i>Surrogate: Toluene-d8</i>                                   | <i>53.2</i> |                 | <i>ug/L</i> | <i>50</i>   |               | <i>106</i> | <i>70-140</i> |     |           |       |
| <b>LCS (B2J0904-BS1)</b>                                       |             |                 |             |             |               |            |               |     |           |       |
| Prepared: 10/09/12 Analyzed: 10/10/12                          |             |                 |             |             |               |            |               |     |           |       |
| Benzene  | <b>21.0</b> | 0.50            | ug/L        | 20          |               | 105        | 75-125        |     |           |       |
| Bromodichloromethane   | <b>20.4</b> | 0.50            | ug/L        | 20          |               | 102        | 75-125        |     |           |       |
| Bromoform  | <b>17.1</b> | 0.50            | ug/L        | 20          |               | 85.6       | 75-125        |     |           |       |
| Carbon Tetrachloride   | <b>18.6</b> | 0.50            | ug/L        | 20          |               | 93.2       | 75-125        |     |           |       |
| Chlorobenzene  | <b>19.3</b> | 0.50            | ug/L        | 20          |               | 96.3       | 75-125        |     |           |       |
| Chloroethane   | <b>22.2</b> | 0.50            | ug/L        | 20          |               | 111        | 75-125        |     |           |       |
| Chloroform   | <b>21.6</b> | 0.50            | ug/L        | 20          |               | 108        | 75-125        |     |           |       |
| Chloromethane  | <b>21.6</b> | 0.50            | ug/L        | 20          |               | 108        | 65-125        |     |           |       |
| Dibromochloromethane   | <b>18.6</b> | 0.50            | ug/L        | 20          |               | 93.0       | 75-125        |     |           |       |
| 1,4-Dichlorobenzene  | <b>19.4</b> | 0.50            | ug/L        | 20          |               | 97.2       | 75-125        |     |           |       |
| 1,1-Dichloroethane   | <b>19.6</b> | 0.50            | ug/L        | 20          |               | 97.8       | 70-125        |     |           |       |
| 1,2-Dichloroethane (EDC)                                       | <b>18.6</b> | 0.50            | ug/L        | 20          |               | 92.9       | 75-125        |     |           |       |
| 1,1-Dichloroethylene   | <b>18.7</b> | 0.50            | ug/L        | 20          |               | 93.6       | 70-130        |     |           |       |
| trans-1,2-Dichloroethylene                                     | <b>20.7</b> | 0.50            | ug/L        | 20          |               | 104        | 75-125        |     |           |       |
| cis-1,2-Dichloroethylene                                       | <b>20.1</b> | 0.50            | ug/L        | 20          |               | 100        | 75-125        |     |           |       |
| 1,2-Dichloropropane  | <b>22.5</b> | 0.50            | ug/L        | 20          |               | 112        | 75-130        |     |           |       |
| cis-1,3-Dichloropropylene                                      | <b>15.0</b> | 0.50            | ug/L        | 20          |               | 75.0       | 75-125        |     |           |       |
| Ethylbenzene   | <b>19.5</b> | 0.50            | ug/L        | 20          |               | 97.4       | 75-125        |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | <b>20.1</b> | 2.0             | ug/L        | 20          |               | 100        | 75-125        |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager





## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87302  
 Date Received: 10/03/12  
 Date Reported: 10/15/12

| Analyte  | Result      | Reporting Limit | Units       | Spike Level | Source Result                                    | %REC       | %REC Limits   | RPD | RPD Limit | Notes |
|--|-------------|-----------------|-------------|-------------|--|------------|---------------|-----|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b> |             |                 |             |             |  |            |               |     |           |       |
| <i>Batch B2J0904 - EPA 5030B</i>                               |             |                 |             |             |  |            |               |     |           |       |
| <b>LCS (B2J0904-BS1) Continued</b>                             |             |                 |             |             |  |            |               |     |           |       |
|  |             |                 |             |             | Prepared: 10/09/12 Analyzed: 10/10/12            |            |               |     |           |       |
| Methylene Chloride   | 22.8        | 5.0             | ug/L        | 20          |  | 114        | 75-130        |     |           |       |
| 1,1,2,2-Tetrachloroethane                                      | 22.4        | 0.50            | ug/L        | 20          |  | 112        | 70-135        |     |           |       |
| Tetrachloroethylene (PCE)                                      | 17.8        | 0.50            | ug/L        | 20          |  | 89.2       | 75-125        |     |           |       |
| Toluene  | 18.6        | 0.50            | ug/L        | 20          |  | 92.9       | 75-125        |     |           |       |
| 1,1,1-Trichloroethane  | 19.3        | 0.50            | ug/L        | 20          |  | 96.7       | 75-125        |     |           |       |
| 1,1,2-Trichloroethane  | 21.4        | 0.50            | ug/L        | 20          |  | 107        | 75-125        |     |           |       |
| Trichloroethylene (TCE)  | 20.9        | 0.50            | ug/L        | 20          |  | 104        | 75-125        |     |           |       |
| Vinyl chloride   | 18.0        | 0.50            | ug/L        | 20          |  | 90.2       | 75-125        |     |           |       |
| o-Xylene   | 19.9        | 0.50            | ug/L        | 20          |  | 99.4       | 75-125        |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | <i>51.8</i> |                 | <i>ug/L</i> | <i>50</i>   |  | <i>104</i> | <i>70-140</i> |     |           |       |
| <i>Surrogate: Dibromofluoromethane</i>                         | <i>52.0</i> |                 | <i>ug/L</i> | <i>50</i>   |  | <i>104</i> | <i>70-140</i> |     |           |       |
| <i>Surrogate: Toluene-d8</i>                                   | <i>51.3</i> |                 | <i>ug/L</i> | <i>50</i>   |  | <i>103</i> | <i>70-140</i> |     |           |       |
| <b>Matrix Spike (B2J0904-MS1)</b>                              |             |                 |             |             |  |            |               |     |           |       |
|  |             |                 |             |             | Source: 2I27006-06 Prepared & Analyzed: 10/09/12 |            |               |     |           |       |
| Benzene  | 21.1        | 0.50            | ug/L        | 20          |  | 106        | 70-130        |     |           |       |
| Bromoform  | 18.6        | 0.50            | ug/L        | 20          |  | 93.2       | 70-130        |     |           |       |
| Chlorobenzene  | 20.1        | 0.50            | ug/L        | 20          |  | 100        | 70-130        |     |           |       |
| Chloroform   | 21.5        | 0.50            | ug/L        | 20          |  | 108        | 70-130        |     |           |       |
| 1,1-Dichloroethane   | 20.8        | 0.50            | ug/L        | 20          |  | 104        | 70-130        |     |           |       |
| 1,1-Dichloroethylene   | 19.8        | 0.50            | ug/L        | 20          |  | 98.8       | 70-130        |     |           |       |
| cis-1,2-Dichloroethylene                                       | 21.1        | 0.50            | ug/L        | 20          |  | 106        | 70-130        |     |           |       |
| 1,2-Dichloropropane  | 22.7        | 0.50            | ug/L        | 20          |  | 113        | 70-130        |     |           |       |
| Ethylbenzene   | 20.1        | 0.50            | ug/L        | 20          |  | 100        | 70-130        |     |           |       |
| Methyl-tert-Butyl Ether (MTBE)                                 | 21.2        | 2.0             | ug/L        | 20          |  | 106        | 70-130        |     |           |       |
| n-Propylbenzene  | 20.8        | 0.50            | ug/L        | 20          |  | 104        | 70-130        |     |           |       |
| Tetrachloroethylene (PCE)                                      | 18.4        | 0.50            | ug/L        | 20          |  | 91.8       | 70-130        |     |           |       |
| Toluene  | 19.2        | 0.50            | ug/L        | 20          |  | 96.2       | 70-130        |     |           |       |
| 1,1,1-Trichloroethane  | 20.4        | 0.50            | ug/L        | 20          |  | 102        | 70-130        |     |           |       |
| Trichloroethylene (TCE)  | 21.4        | 0.50            | ug/L        | 20          |  | 107        | 70-130        |     |           |       |
| 1,3,5-Trimethylbenzene   | 20.9        | 0.50            | ug/L        | 20          |  | 105        | 70-130        |     |           |       |
| Vinyl chloride   | 21.0        | 0.50            | ug/L        | 20          |  | 105        | 70-130        |     |           |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>                         | <i>51.3</i> |                 | <i>ug/L</i> | <i>50</i>   |  | <i>103</i> | <i>70-140</i> |     |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

Client: Kawahara Nursery  
 Project No: NA  
 Project Name: Kawahara Nursery

AA Project No: A87302  
 Date Received: 10/03/12  
 Date Reported: 10/15/12

| Analyte  | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD   | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| <b>VOCs, OXY &amp; TPH Gasoline by GC/MS - Quality Control</b>                               |        |                 |       |             |               |      |             |       |           |       |
| <i>Batch B2J0904 - EPA 5030B</i>   |        |                 |       |             |               |      |             |       |           |       |
| <b>Matrix Spike (B2J0904-MS1) Continued Source: 2I27006-06</b> Prepared & Analyzed: 10/09/12 |        |                 |       |             |               |      |             |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>   | 52.1   |                 | ug/L  | 50          |               | 104  | 70-140      |       |           |       |
| <i>Surrogate: Toluene-d8</i>   | 51.4   |                 | ug/L  | 50          |               | 103  | 70-140      |       |           |       |
| <b>Matrix Spike Dup (B2J0904-MSD1) Source: 2I27006-06</b> Prepared & Analyzed: 10/09/12      |        |                 |       |             |               |      |             |       |           |       |
| Benzene  | 21.0   | 0.50            | ug/L  | 20          |               | 105  | 70-130      | 0.570 | 30        |       |
| Bromoform  | 18.8   | 0.50            | ug/L  | 20          |               | 93.8 | 70-130      | 0.749 | 30        |       |
| Chlorobenzene  | 19.9   | 0.50            | ug/L  | 20          |               | 99.7 | 70-130      | 0.650 | 30        |       |
| Chloroform   | 17.4   | 0.50            | ug/L  | 20          |               | 86.8 | 70-130      | 21.5  | 30        |       |
| 1,1-Dichloroethane   | 20.6   | 0.50            | ug/L  | 20          |               | 103  | 70-130      | 1.01  | 30        |       |
| 1,1-Dichloroethylene   | 19.1   | 0.50            | ug/L  | 20          |               | 95.6 | 70-130      | 3.19  | 30        |       |
| cis-1,2-Dichloroethylene   | 20.2   | 0.50            | ug/L  | 20          |               | 101  | 70-130      | 4.21  | 30        |       |
| 1,2-Dichloropropane  | 22.6   | 0.50            | ug/L  | 20          |               | 113  | 70-130      | 0.309 | 30        |       |
| Ethylbenzene   | 19.9   | 0.50            | ug/L  | 20          |               | 99.4 | 70-130      | 0.952 | 30        |       |
| Methyl-tert-Butyl Ether (MTBE)   | 21.1   | 2.0             | ug/L  | 20          |               | 106  | 70-130      | 0.284 | 30        |       |
| n-Propylbenzene  | 21.0   | 0.50            | ug/L  | 20          |               | 105  | 70-130      | 0.670 | 30        |       |
| Tetrachloroethylene (PCE)  | 18.7   | 0.50            | ug/L  | 20          |               | 93.4 | 70-130      | 1.78  | 30        |       |
| Toluene  | 19.4   | 0.50            | ug/L  | 20          |               | 97.0 | 70-130      | 0.776 | 30        |       |
| 1,1,1-Trichloroethane  | 19.9   | 0.50            | ug/L  | 20          |               | 99.6 | 70-130      | 2.58  | 30        |       |
| Trichloroethylene (TCE)  | 21.0   | 0.50            | ug/L  | 20          |               | 105  | 70-130      | 2.02  | 30        |       |
| 1,3,5-Trimethylbenzene   | 20.6   | 0.50            | ug/L  | 20          |               | 103  | 70-130      | 1.69  | 30        |       |
| Vinyl chloride   | 20.3   | 0.50            | ug/L  | 20          |               | 102  | 70-130      | 3.19  | 30        |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   | 51.2   |                 | ug/L  | 50          |               | 102  | 70-140      |       |           |       |
| <i>Surrogate: Dibromofluoromethane</i>   | 51.2   |                 | ug/L  | 50          |               | 102  | 70-140      |       |           |       |
| <i>Surrogate: Toluene-d8</i>   | 52.6   |                 | ug/L  | 50          |               | 105  | 70-140      |       |           |       |

*Eydie Schwartz*

**Eydie Schwartz**  
 Project Manager



## LABORATORY ANALYSIS RESULTS

**Client:** Kawahara Nursery  
**Project No:** NA  
**Project Name:** Kawahara Nursery

**AA Project No:** A87302  
**Date Received:** 10/03/12  
**Date Reported:** 10/15/12

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### Special Notes

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*Eydie Schwartz*

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**Eydie Schwartz**  
Project Manager



# Appendix B

## Soil Boring Logs

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |

| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS | TIME & PID       | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|------------------|------------------|-------------------|-------------|--------------------------|--------------|
| Clayey silt with sand, dark brown, soft, sl moist to moist, no odor.<br>Sample run 3 1/2'-5'  | X                | 0 ppm<br>3:10 pm | 1                 |             |                          | ML/SM        |
|   |                  |                  | 2                 |             |                          |              |
|   |                  |                  | 3                 |             |                          |              |
|   |                  |                  | 4                 |             |                          |              |
| Silty clay with sand, brown, soft to firm, sl moist to moist, no odor.<br>Sample run 5-6 1/2' | X                | 0 ppm<br>3:15 pm | 5                 |             |                          | CL           |
|   |                  |                  | 6                 |             |                          |              |
| Clayey silt, grey green with red rootlets, firm, moist, no odor.<br>Sample run 6 1/2'-8'      | X                | 0 ppm<br>3:20 pm | 7                 |             |                          | CL/ML        |
|   |                  |                  | 8                 |             |                          |              |
| brown to olive green, soft<br>Sample run 8-9 1/2'   | X                | 0 ppm<br>3:25 pm | 9                 |             |                          |              |
|   |                  |                  | 10                |             |                          |              |
| End at 9 1/2' bgs   |                  |                  | 11                |             |                          |              |
|   |                  |                  | 12                |             |                          |              |
|   |                  |                  | 13                |             |                          |              |
|   |                  |                  | 14                |             |                          |              |
|   |                  |                  | 15                |             |                          |              |
|   |                  |                  | 16                |             |                          |              |
|   |                  |                  | 17                |             |                          |              |
|   |                  |                  | 18                |             |                          |              |
|   |                  |                  | 19                |             |                          |              |
|   |                  |                  | 20                |             |                          |              |
|   |                  |                  | 21                |             |                          |              |

BORING NO. **Z1**

DATE: **09 17 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |

| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS | TIME & PID                                    | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|------------------|---|-------------------|-------------|--------------------------|--------------|
| Clayey silt with sand, dark brown, soft, sl moist to moist, no odor.<br><br>Sample run 3 1/2'-5'                    | X                | 0 ppm<br>2:30 pm                              | 1                 |             |                          | ML/SM        |
|   |                  |   | 2                 |             |                          |              |
|   |                  |   | 3                 |             |                          |              |
|   |                  |   | 4                 |             |                          |              |
| Silty clay with sand, brown, soft to firm, sl moist to moist, no odor.<br><br>Sample run 5-6 1/2'                   | X                | 0 ppm<br>2:35 pm                              | 5                 |             |                          | CL           |
|   |                  |   | 6                 |             |                          |              |
| Clayey silt, grey green with red rootlets, firm, moist, no odor.<br><br>Sample run 6 1/2'-8'<br>Sample run 8-9 1/2' | X                | 0 ppm<br>2:40 pm<br>0 ppm<br>2:45 pm<br>0 ppm | 7                 |             |                          | CL/ML        |
|   |                  |   | 8                 |             |                          |              |
|   |                  |   | 9                 |             |                          |              |
| End at 9 1/2' bgs   |                  |   | 10                |             |                          |              |
|   |                  |   | 11                |             |                          |              |
|   |                  |   | 12                |             |                          |              |
|   |                  |   | 13                |             |                          |              |
|   |                  |   | 14                |             |                          |              |
|   |                  |   | 15                |             |                          |              |
|   |                  |   | 16                |             |                          |              |
|   |                  |   | 17                |             |                          |              |
|   |                  |   | 18                |             |                          |              |
|   |                  |   | 19                |             |                          |              |
|   |                  |   | 20                |             |                          |              |
|   |                  |   | 21                |             |                          |              |

BORING NO. **Z2**

DATE: **09 17 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |

| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS | TIME & PID | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|------------------|------------|-------------------|-------------|--------------------------|--------------|
| Clayey silt with sand, dark brown, soft, sl moist to moist, no odor.<br>Sample run 3-4 1/2'   | X                | 1:30 pm    | 1                 |             |                          | ML/SM        |
|   |                  | 0 ppm      | 2                 |             |                          |              |
|   |                  |            | 3                 |             |                          |              |
|   |                  |            | 4                 |             |                          |              |
| Silty clay with sand, brown, soft to firm, sl moist to moist, no odor.<br>Sample run 5-6 1/2'   | X                | 1:35 pm    | 5                 |             |                          | CL           |
|   |                  | 0 ppm      | 6                 |             |                          |              |
| Clayey silt, grey green with red rootlets, firm, moist, no odor.<br>Sample run 6 1/2'-8'<br>Sample run 8-9 1/2'<br>brown to olive green, soft | X                | 1:40 pm    | 7                 |             |                          | CL/ML        |
|   |                  | 0 ppm      | 8                 |             |                          |              |
|   |                  | 1:45 pm    | 9                 |             |                          |              |
| End at 9 1/2' bgs   |                  |            | 10                |             |                          |              |
|   |                  |            | 11                |             |                          |              |
|   |                  |            | 12                |             |                          |              |
|   |                  |            | 13                |             |                          |              |
|   |                  |            | 14                |             |                          |              |
|   |                  |            | 15                |             |                          |              |
|   |                  |            | 16                |             |                          |              |
|   |                  |            | 17                |             |                          |              |
|   |                  |            | 18                |             |                          |              |
|   |                  |            | 19                |             |                          |              |
|   |                  |            | 20                |             |                          |              |
|   |                  |            | 21                |             |                          |              |

BORING NO. **Z3**

DATE: **09 17 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**



EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |

| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS | TIME & PID | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|------------------|------------|-------------------|-------------|--------------------------|--------------|
| Clayey silt with sand, dark brown, soft, sl moist to moist, no odor.<br>Sample run 3 1/2'-5'  |                  | 0 ppm      | 1                 |             |                          |              |
|   |                  | 0 ppm      | 2                 |             |                          |              |
|   |                  | 0 ppm      | 3                 |             |                          |              |
|   |                  | 0 ppm      | 4                 |             |                          | ML/SM        |
| Silty clay with sand, brown, soft to firm, sl moist to moist, no odor.<br>Sample run 5-6 1/2' | X                | 1:00 pm    | 5                 |             |                          |              |
|   | X                | 1:05 pm    | 6                 |             |                          | CL           |
|   |                  | 0 ppm      | 7                 |             |                          |              |
| Clayey silt, grey green with red rootlets, firm, moist, no odor.<br>Sample run 6 1/2'-8'      | X                | 1:10 pm    | 8                 |             |                          | CL/ML        |
|   |                  | 0 ppm      | 9                 |             |                          |              |
|   | X                | 1:10 pm    | 9                 |             |                          |              |
| End at 9 1/2' bgs   |                  |            | 10                |             |                          |              |
|   |                  |            | 11                |             |                          |              |
|   |                  |            | 12                |             |                          |              |
|   |                  |            | 13                |             |                          |              |
|   |                  |            | 14                |             |                          |              |
|   |                  |            | 15                |             |                          |              |
|   |                  |            | 16                |             |                          |              |
|   |                  |            | 17                |             |                          |              |
|   |                  |            | 18                |             |                          |              |
|   |                  |            | 19                |             |                          |              |
|   |                  |            | 20                |             |                          |              |
|   |                  |            | 21                |             |                          |              |

BORING NO. **Z4**

DATE: **09 17 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |


| LITHOLOGIC DESCRIPTION   | SAMPLE INTERVALS | TIME & PID           | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|--|------------------|----------------------|-------------------|-------------|--------------------------|--------------|
|  |                  |                      | 1                 |             |                          |              |
|  |                  |                      | 2                 |             |                          |              |
|  |                  |                      | 3                 |             |                          |              |
|  |                  |                      | 4                 |             |                          |              |
|  |                  |                      | 5                 |             |                          |              |
| Silty clay, dark brown, soft, moist; rootlets, no odor. Sample run 5-6 ½'        | X                | 0 ppm<br>9:40 am     | 6                 |             |                          | CL           |
|  |                  |                      | 7                 |             |                          |              |
|  |                  |                      | 8                 |             |                          |              |
|  |                  |                      | 9                 |             |                          |              |
|  |                  |                      | 10                |             |                          |              |
| Sample run 10-11 ½'  |                  | 2.2 ppm              | 11                |             |                          |              |
| Silty clay with sand, olive brown, firm to stiff, moist; faint hydrocarbon odor. | X                | 9:45 am              | 11                |             |                          |              |
|  |                  |                      | 12                |             |                          | CL/SM        |
| Sample run 12 ½'-14'   | X                | 19.0 ppm<br>9:55 am  | 13                |             |                          |              |
| <b>Groundwater 1st encountered at 15.65' at 10:00 am</b><br><b>GW</b>            |                  |                      | 14                |             |                          |              |
| Strong hydrocarbon odor. Sample run 14-15 ½'                                     | X                | 82.2 ppm<br>10:00 am | 15                |             |                          |              |
|  |                  |                      | 16                |             |                          |              |
| No hydrocarbon odor. Sample run 17-18 ½'   | X                | 0 ppm<br>10:10 am    | 17                |             |                          |              |
|  |                  |                      | 18                |             |                          |              |
| End at 18 ½' bgs   |                  |                      | 19                |             |                          |              |
|  |                  |                      | 20                |             |                          |              |
|  |                  |                      | 21                |             |                          |              |

BORING NO. **Z5**  
DATE: **09 18 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |



| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS | TIME & PID       | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|------------------|------------------|-------------------|-------------|--------------------------|--------------|
| Silty clay with sand, dark brown to black, soft, moist; no odor.  |                  |                  | 1                 |             |                          |              |
|   |                  |                  | 2                 |             |                          |              |
|   |                  |                  | 3                 |             |                          |              |
|   |                  |                  | 4                 |             |                          |              |
|   |                  |                  | 5                 |             |                          | CL           |
| Sample run 5-6 1/2'   | X                | 8:40 am<br>0 ppm | 6                 |             |                          |              |
|   |                  |                  | 7                 |             |                          |              |
|   |                  |                  | 8                 |             |                          |              |
|   |                  |                  | 9                 |             |                          |              |
|   |                  |                  | 10                |             |                          |              |
| Sample run 10-11 1/2'   |                  | 0 ppm            | 11                |             |                          |              |
| Silty clay, olive brown, firm to stiff, moist; no hydrocarbon odor.   | X                | 8:50 am          | 11                |             |                          |              |
|   |                  | 0 ppm            | 12                |             |                          | CL           |
| Sample run 11 1/2'-13'  | X                | 8:55 am          | 13                |             |                          |              |
| Silty sand with clay, olive brown, med dense, moist to very moist, no odor.   | X                | 0 ppm            | 13                |             |                          | SM/CL        |
|   |                  | 0 ppm            | 14                |             |                          |              |
| Silty clay, olive brown, firm to stiff, Run 13-14 1/2' moist; no hydrocarbon odor.  | X                | 9:05 am          | 14                |             |                          |              |
|   |                  | 0 ppm            | 15                |             |                          | CL           |
| Groundwater 1st encountered at 15.54' bgs GW  Sample run 14 1/2 -16' | X                | 9:10 am          | 15                |             |                          |              |
|   | X                | 9:15 am          | 16                |             |                          |              |
| End at 16' bgs  |                  |                  | 16                |             |                          |              |
|   |                  |                  | 17                |             |                          |              |
|   |                  |                  | 18                |             |                          |              |
|   |                  |                  | 19                |             |                          |              |
|   |                  |                  | 20                |             |                          |              |
|   |                  |                  | 21                |             |                          |              |

BORING NO. **Z6**  
 DATE: **09 18 12**

**KAWAHARA NURSERY**  
 SITE LOCATED AT **16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |



| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS  | TIME & PID                | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|---|---------------------------|-------------------|-------------|--------------------------|--------------|
| Sandy clay, dark brown, soft, sl moist to moist, no odor.<br>Sample run 3 ½ -5' |    | 0 ppm<br>3:30 pm          | 1                 |             |                          | CL/SM        |
|   |   |                           | 2                 |             |                          |              |
|   |   |                           | 3                 |             |                          |              |
|   |   |                           | 4                 |             |                          |              |
|   |   |                           | 5                 |             |                          |              |
| Silty clay, grey brown, stiff, moist, no odor.<br>Sample run 8 ½ -10'           |  | 0 ppm<br>3:40 pm<br>0 ppm | 6                 |             |                          | CL/ML        |
|   |   |                           | 7                 |             |                          |              |
| End at 10' bgs  |   |                           | 8                 |             |                          |              |
|   |   |                           | 9                 |             |                          |              |
|   |   |                           | 10                |             |                          |              |
|   |   |                           | 11                |             |                          |              |
|   |   |                           | 12                |             |                          |              |
|   |   |                           | 13                |             |                          |              |
|   |   |                           | 14                |             |                          |              |
|   |   |                           | 15                |             |                          |              |
|   |   |                           | 16                |             |                          |              |
|   |   |                           | 17                |             |                          |              |
|   |   | 18                        |                   |             |                          |              |
|   |   | 19                        |                   |             |                          |              |
|   |   | 20                        |                   |             |                          |              |
|   |   | 21                        |                   |             |                          |              |

BORING NO. **Z7**  
DATE: **09 17 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |

| LITHOLOGIC DESCRIPTION  | SAMPLE INTERVALS  | TIME & PID                | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|---|---|---------------------------|-------------------|-------------|--------------------------|--------------|
| Sandy clay, dark brown, soft, sl moist to moist, no odor.<br>Sample run 3 ½ -5' |    | 0 ppm<br>4:00 pm          | 1                 |             |                          | CL/SM        |
|   |   |                           | 2                 |             |                          |              |
|   |   |                           | 3                 |             |                          |              |
|   |   |                           | 4                 |             |                          |              |
|   |   |                           | 5                 |             |                          |              |
| Silty clay, grey brown, stiff, moist, no odor. Sample run 8 ½ -10'              |  | 0 ppm<br>4:10 pm<br>0 ppm | 6                 |             |                          | CL/ML        |
|   |   |                           | 7                 |             |                          |              |
| 8   |   |                           |                   |             |                          |              |
| 9   |   |                           |                   |             |                          |              |
| 10  |   |                           |                   |             |                          |              |
| End at 10' bgs  |   |                           | 11                |             |                          |              |
|   |   |                           | 12                |             |                          |              |
|   |   |                           | 13                |             |                          |              |
|   |   |                           | 14                |             |                          |              |
|   |   |                           | 15                |             |                          |              |
|   |   |                           | 16                |             |                          |              |
|   |   |                           | 17                |             |                          |              |
|   |   |                           | 18                |             |                          |              |
|   |   |                           | 19                |             |                          |              |
|   |   |                           | 20                |             |                          |              |
|   |   |                           | 21                |             |                          |              |

BORING NO. **Z8**

DATE: **09 17 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

EXPLORATORY BORING LOG

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| DRILL COMPANY: <b>Clear Heart</b> | SURFACE ELEVATION:         | LOGGED BY: <b>Frank Goldman</b> |
| DEPTH TO GROUNDWATER:             | BORING DIAMETER: <b>8"</b> | DRILLING METHOD: <b>HSA</b>     |

| LITHOLOGIC DESCRIPTION   | SAMPLE INTERVALS | TIME & PID | DEPTH in feet bgs | WATER LEVEL | WELL CONSTRUCTION DETAIL | USCS SYMBOLS |
|--|------------------|------------|-------------------|-------------|--------------------------|--------------|
|  |                  |            | 1                 |             |                          |              |
|  |                  |            | 2                 |             |                          |              |
|  |                  |            | 3                 |             |                          |              |
|  |                  |            | 4                 |             |                          |              |
| Silty clay, dark brown, soft, moist; rootlets, no odor. Sample run 5-6 1/2'  | X                | 0 ppm      | 5                 |             |                          | CL           |
|  |                  | 12:05 pm   | 6                 |             |                          |              |
|  |                  | 0 ppm      | 7                 |             |                          |              |
| Groundwater in well casing<br>10.55' at 2:00 pm<br>10.52' at 2:45 pm<br><br>Groundwater in augers at 10.70' at 12:45 pm  | X                | 0 ppm      | 9                 |             |                          |              |
|  |                  | 12:10 pm   | 10                |             |                          |              |
|  |                  | 0 ppm      | 11                |             |                          |              |
| Silty clay with sand, olive brown, firm to stiff, moist; faint hydrocarbon odor.<br>Groundwater 1st encountered at 15.65' at 10:00 am<br>Strong hydrocarbon odor.<br>Sample run 14-15 1/2' |                  |            | 12                |             |                          | CL/SM        |
|  |                  |            | 13                |             |                          |              |
|  |                  |            | 14                |             |                          |              |
| No hydrocarbon odor.<br>Sample run 17-18 1/2'  | X                | 0 ppm      | 15                |             |                          |              |
|  |                  | 12:20 pm   | 16                |             |                          |              |
|  |                  | 0 ppm      | 17                |             |                          |              |
| End at 18 1/2' bgs<br>Monitor well constructed 7' blank pvc, 10' 0.02" slots, 1' sand over TOC, 2' bentonite, 4' grout; no obstructions  |                  |            | 18                |             |                          |              |
|  |                  |            | 19                |             |                          |              |
|  |                  |            | 20                |             |                          |              |
|  |                  |            | 21                |             |                          |              |

BORING NO. **MW-6**

DATE: **09 18 12**

**KAWAHARA NURSERY**  
**SITE LOCATED AT 16550 ASHLAND AVENUE, SAN LORENZO, CA**

# Appendix A

## Well Purging Logs





# Attachment 1

## Field Notification Emails

# Attachment 1

FROM: [fjgoldmanchg@yahoo.com](mailto:fjgoldmanchg@yahoo.com)  
TO:

[barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org)

Wednesday, September 12, 2012 **12:45 PM**

Subsurface investigation field work will be initiated 09 17 12 at 12 : 40 p m. At 16550 Ashland san Lorenzo as per the work plan received by alameda co on 07 09 12.

Sent from my HTC smartphone on the Now Network from Sprint!

---

FROM: [fjgoldmanchg@yahoo.com](mailto:fjgoldmanchg@yahoo.com)  
TO:

[barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org)

Wednesday, September 12, 2012 **2:21 PM**

Subsurface investigation field work will be initiated 09 17 12 at 12 : 40 p m. At 16550 Ashland san Lorenzo as per the work plan received by alameda co on 07 09 12.

Sent from my HTC smartphone on the Now Network from Sprint!

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FROM: [fjgoldmanchg@yahoo.com](mailto:fjgoldmanchg@yahoo.com)  
TO:

[barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org)

Wednesday, September 12, 2012 **3:50 PM**

Subsurface investigation field work will be initiated 09 17 12 at 12 : 40 p m. At 16550 Ashland san Lorenzo as per the work plan received by alameda co on 07 09 12.

Sent from my HTC smartphone on the Now Network from Sprint!

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72 hour notification provided to Alameda County Environmental Helath as per Cal. Code Regs. Title 23, Division 3, Chapter 16, Underground Tank Regulations, ARTICLE 11., § 2722 (e) (1) (2)