San Diego County Regional Airport Authority

Fiscal Year 2013-2014 Industrial Stormwater Permit Annual Report

SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD 2019 JUN 30 PM 3 35

July 2014

í i

()



San Diego County Regional Airport Authority

Fiscal Year 2013-2014 Industrial Stormwater Permit Annual Report

July 2014







State Water Resources Control Board

To Interested Parties:

2013-2014 ANNUAL REPORT ANNUAL REPORT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Attached is the 2013-2014 annual report that must be mailed to your Regional Board office by July 1, 2014. <u>Dischargers within the Los Angeles Regional Board</u> are required to electronically submit their annual reports via the Storm Water Multi-Application Reporting and Tracking System (SMARTS), email with a PDF attachment(s) to <u>losangeles@waterboards.ca.gov</u>, or mail a disk. Although electronic submittals are not mandatory for dischargers in other regions, we encourage all dischargers to register and use SMARTS. We anticipate that a new Industrial General Permit (IGP) will be adopted sometime next year that will mandate electronic reporting for future reporting years.

To register to use SMARTS please visit: https://smarts.waterboards.ca.gov and download the SMARTS LRP registration form and instructions. Please fill out the form and mail it back to: SMARTS Registration, P.O. Box 1977, Sacramento, CA 95812. Once a complete registration form is received, a login name and password will be emailed to you.

For SMARTS registration questions or information please contact the SMARTS help center at 1-866-563-3107 or by email at <u>stormwater@waterboards.ca.gov</u>.

To receive email updates on Storm Water Industrial permitting issues <u>including updates</u> on the IGP reissuance process (hearings, workshops, schedules, etc.), please sign up at <u>http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml</u> The Storm Water program currently maintains five email lists:

- Storm Water Database Issues
- Storm Water Construction Permitting Issues
- Storm Water Industrial Permitting Issues
- Storm Water Municipal Permitting Issues
- Sustainable Development

Sincerely,

Storm Water Section

California Environmental Protection Agency

Recycled Paper

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD 2013-2014 ANNUAL REPORT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2013 through June 30, 2014

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

San Diego Region 9174 Sky Park Court, Suite 100 San Diego, CA 92123 Contact: Tony Felix Tel: (858) 636-3134 Email: Tfelix@waterboards.ca.gov

| | GENERAL | INFORM | ATION |
|--|---------|---------------|-------|
|--|---------|---------------|-------|

A. Facility Information:

San Diego Int Airpor 3225 N Harbor Dr San Diego, CA 92101 WDID NO: 9 371018035 SIC Code(s):

):

4581 Airports, Flying Fields, and Airport Terminal Services

B. Facility Operator Information:

San Diego County Regional Airport Authority PO Box 82776 San Diego, CA 92138

C. Facility Billing Information:

San Diego County Regional Airport Authority PO Box 82776 San Diego, CA 92138 Contact: Richard Gilb Email: RGilb@san.org Tel: (619) 400-2790

Contact: Richard Gilb

Email: RGilb@san.org

Tel: (619) 400-2790

Contact: Richard Gilb Email: RGilb@san.org Tel: (619) 400-2790

Additional Table D Parameters: BOD,COD,NH3

2013-2014 ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

| D. | <u>SA</u> | MPLING A | ND AN | ALYSIS EXEMPTIO | NS AND REDUC | TIONS | | | |
|----|-----------|-----------|---------|--|-------------------|---------------|------------------|-------------|---|
| | 1. | | | ng period, was your fa th sections B.12 or 1 | | | g and ana | alyzing | samples from two storm events in |
| | | Y | ES | Go to Item D.2 | | | × | NO | Go to Section E |
| | 2. | | | ason your facility is e t page of the appropr | | | | | es from two storm events. Attach a or v. |
| | | i. 🔲 | Parti | cipating in an Approv | ed Group Monito | oring Plan | | Grou | p Name : |
| | | ii. 🔲 | Subr | nitted No Exposure | Certification (N | NEC) | | Date | Submitted: |
| | | | Re-e | evaluation Date: | | | | | |
| | | | Doe | s facility continue to s | atisfy NEC conc | ditions? | | YES | NO |
| | | iii. 🔲 | Subi | nitted Sampling Re | duction Certific | ation (SRC | C) | Date | Submitted: |
| | | | Re-e | evaluation Date: | | | | | |
| | | | Doe | s facility continue to s | satisfy SRC cond | ditions? | | YES | NO |
| | | iv. | Rece | eived Regional Board | Certification | | Certifica | ation Da | ate: |
| | | v. 🔲 | Rece | eived Local Agency (| Certification | | | Cetific | cation Date: |
| | 3. | lf you ch | ecked | boxes i or iii above, v | vere you schedu | iled to sam | ple one s | torm e | vent during the reporting year? |
| | | Υ | ES | Go to Section E | | | | NO | Go to Section F |
| | 4. | If you ch | ecked | boxes ii, iv, or v, go t | o Section F. | | | | |
| E. | SAN | APLING AN | D AN | ALYSIS RESULTS | | | | | |
| | 1. | How ma | ny stor | m events did you sa | mple? | 3 | | 2.i or iii. | ttach explanation (if you checked above, only attach explanation if you |
| | 2. | | | storm water sample ity operating hours? | | | | son tha | t produced a discharge during |
| | | X | YES | | | | | NO, | attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events) |
| | 3. | How ma | ny stor | m water discharge lo | ocations are at y | our facility? | | 15 | |

| 4. | For san | r each storm event sampled, did you collect and analyze a nple from each of the facilitys' storm water discharge locations? | | YES, go | to Item E | .6 🗶 NO |
|-----|--------------|---|-------------|------------|------------|------------------------------|
| 5. | | as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit? | X | YES | | NO, attach explanation |
| | If "" tha | YES [®] , attach documentation supporting your determination t two or more drainage areas are substantially identical. | | | | |
| | Dat | te facility's drainage areas were last evaluated May 2014 | | | | |
| 6. | We | ere all samples collected during the first hour of discharge? | | YES | X | NO, attach explanation |
| 7. | Wa wo | as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge? | \boxtimes | YES | | NO, attach explanation |
| 8. | We | ere there any discharges of stormwater that had been nporarily stored or contained? (such as from a pond) | | YES | × | NO, go to Item E.10 |
| 9. | cont | you collect and analyze samples of temporarily stored or tained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above) | | YES | | NO, attach explanation |
| 10. | Spe | tion B.5. of the General Permit requires you to analyze storm wa cific Conductance (SC), Total Organic Carbon (TOC) or Oil and torm water discharges in significant quantities, and analytical pa | Greas | e (O&G), | other pol | lutants likely to be present |
| | a. | Does Table D contain any additional parameters related to your facility's SIC code(s)? | X | YES | | NO, Go to Item E.11 |
| | b. | Did you analyze all storm water samples for the applicable parameters listed in Table D? | X | YES | | NO |
| | C. | If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | | | | |
| | | In prior sampling years, the parameter(s) have not b consecutive sampling events. Attach explanation | een de | etected in | significar | nt quantities from two |
| | | The parameter(s) is not likely to be present in storm discharges in significant quantities based upon the f | | | | |
| | | Other. Attach explanation | | | | |
| | | | | | | |

- 11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:
 - Date and time of sample collection
 - Name and title of sampler.
 - Parameters tested.
 - Name of analytical testing laboratory.
 - Discharge location identification.

- Testing results.
- Test methods used.
- Test detection limits.
- Date of testing.
- Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

| 1. | Authorized | Non-Storm | Water | Discharges |
|----|------------|-----------|-------|------------|
|----|------------|-----------|-------|------------|

YES

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

| 40 | |
|----------|--|
| X | |
| | |
| | |

NO Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers. Indicate "N/A" for quarters without any authorized non-storm water discharges.

| July -September | YES | □ NO | × | N/A | October-December | YES 🗌 NO | X N/A |
|-----------------|-------|-------------|---|-----|------------------|----------|-------|
| January-March | X YES | □ NO | П | N/A | April-June | YES NO | X N/A |

- c. Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information.
 - i. name of each authorized non-storm water discharge
 - ii. date and time of observation
 - iii. source and location of each authorized non-storm water discharge
 - iv. characteristics of the discharge at its source and impacted drainage area/discharge location
 - v. name, title, and signature of observer
 - vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. Unauthorized Non-Storm Water Discharges

Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized nonstorm water discharges and their sources. Attach an explanation for any "NO" answers.

| July -September | X YES | NO | October-December | YES | NO NO |
|-----------------|-------|-------|------------------|-------|-------|
| January-March | X YES | NO NO | April-June | X YES | NO |

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

| X YES | NO NO | Go to item F.2.d | |
|-------|-------|------------------|--|
|-------|-------|------------------|--|

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

| X YES NO Attach explanation | × | YES | | NO | Attach explanation | |
|-----------------------------|---|-----|--|----|--------------------|--|
|-----------------------------|---|-----|--|----|--------------------|--|

- d. Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.
 - i. name of each unauthorized non-storm water discharge.
 - ii. date and time of observation.
 - iii. source and location of each unauthorized non-storm water discharge.
 - iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
 - v. name, title, and signature of observer.
 - any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

 Indicate below whether monthly visual observations of storm water discharges occurred at <u>all</u> discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.



- 2. Report monthly wet season visual observations using Form 4 or provide the following information.
 - a. date, time, and location of observation
 - b. name and title of observer
 - c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
 - any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. Attach an explanation for any "NO" answers.

- Have you inspected all potential pollutant sources and industrial activities areas? XES The following areas should be inspected:
 - areas where spills and leaks have occured during the last year.
 - outdoor wash and rinse areas.
 - process/manufacturing areas.
 - loading, unloading, and transfer areas.
 - waste storage/disposal areas.
 - dust/particulate generating areas.
 - erosion areas.

building repair, remodeling, and construction

NO

NO

NO

- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas
- Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?
- Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified:
 - facility boundaries
 - outline of all storm water drainage areas
 - areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

YES

| | 4. | Have you reviewed all General Permit compliance recipience the last annual evaluation? | |
|----|-----------|--|--|
| | | since the last annual evaluation? | YES NO |
| | | The following records should be reviewed: | |
| | | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated | quarterly unauthorized non-storm water discharge visual observations Sampling and Analysis records preventative maintenance inspection and maintenance records |
| | | clean-up/response activities | |
| | 5. | Have you reviewed the major elements of the SWPPP compliance with the General Permit? | to assure YES NO |
| | | The following SWPPP items should be reviewed: | |
| | | pollution prevention team list of significant materials description of potential pollutant sources | assessment of potential pollutant sources identification and description of the BMPs to be implemented for each potential pollutant source |
| | 6. | Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are bein | charges and authorized |
| | | The following BMP categories should be reviewed: | |
| | | good housekeeping practices spill response employee training erosion control quality assurance | preventative maintenance material handling and storage practices waste handling/storage structural BMPs |
| | 7. e** | Has all material handling equipment and equipment no implement the SWPPP been inspected? | veded to |
| l. | AC | SCE EVALUATION REPORT | |
| | The | a facility operator is required to provide an evaluation rep | ort that includes: |
| | : | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | schedule for implementing SWPPP revisions any incidents of non-compliance and the corrective actions taken. |
| | Use | e Form 5 to report the results of your evaluation or devel | op an equivalent form. |
| J. | AC | SCE CERTIFICATION | |
| | The | e facility operator is required to certify compliance with th tify compliance, both the SWPPP and Monitoring Progra | e Industrial Activities Storm Water General Permit. To must be up to date and be fully implemented. |
| | | sed upon your ACSCE, do you certify compliance with th ivities Storm Water General Permit? | e Industrial |
| | | ou answered "NO" attach an explanation to the ACSCE appliance with the Industrial Activities Storm Water Gener | |

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to guestions 2-4 if you are not required to provide those attachments.

| 1. | Have you attached Forms 1,2,3,4, and 5 or their equivalent? | YES (N | fandatory) | |
|----|---|--------|------------|------|
| 2. | If you conducted sampling and analysis, have you attached the laboratory analytical reports? | X YES | NO NO | NA |
| 3. | If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | YES | NO NO | X NA |
| 4. | Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | YES | NO | NA |

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Printed Name: | Paul Manasjan | | | |
|-----------------|-----------------------------|---------|---------------|---------|
| Signature: | p.man | i | Da <u>te:</u> | 6/24/14 |
| Title: Director | , Environmental Affairs Dep | artment | | |

Attachment 1

Explanations and Discussion of Analytical Data

1) Explanations to General Information (pages 1-7 of the Annual Report)

The following explanations are provided where necessary to comply with the General Annual Report format. The item numbers are presented in the order of the Annual Report.

E.5

In 2005, the Airport Authority initiated a project to analyze the hydrology of the airport and to evaluate the existing storm water sampling plan. The project resulted in the development of a new storm water sampling plan that replaced many of the previous sample sites and also added additional sampling locations. That sampling plan identified pollutants of concern and provided statistical power to future analysis of pollutant loads. The sampling plan was finalized in November 2005, and was implemented for the first time in the 2005-2006 wet season. The sampling plan divides the airport into fourteen drainage basins. Ten sites within those 14 basins were chosen to represent the areas of industrial activity at the airport. The sampling plan was reviewed and incorporated into the storm water management program in March 2008.

Prior to the 2010-2011 wet season, construction associated with the Terminal 2 West expansion led to an alternate sampling site being established in Drainage Basin 12 (C-B12-9a). The same year, alternate sampling site C-B01-1a was established after the original sampling location was fitted with a drain inlet insert BMP that restricted sampling. During the 2013-2014 wet season, alternate sampling locations CB06-5a and CB09-10b were established to be downstream of newly installed structural treatment control BMPs. Sampling site C-B05-3 could no longer be sampled because the north side development constructions had removed the storm drain lines where C-B05-3 was previous located, which resulted in only 9 sampling locations remaining.

E.6

Program experience has led to the practical determination that sample collection can only be accomplished during storm events with a rainfall intensity of at least 0.10 inches per hour over at least a two-hour period. With ten sample sites identified for the monitoring program, practice has shown that more than one hour of time elapses between the initiation of sampling and the collection of the tenth sample. Such was the case again this year, and therefore, not all samples were collected during the first hour of discharge.

G.1

During the months of November 2013, January 2014, March 2014, and May 2014, there were no rain events occurring during daylight hours of sufficient intensity or duration to allow for visual observations. The history of storm events during daylight hours for this reporting period is provided on Form 4.

2) Summary Discussion of Analytical Results

The following information provides a brief discussion of the analytical data included with this Annual Report (see Form 1 and attached Analytical Lab Reports). A total of 18 samples were collected at the nine sampling sites during this reporting period. Results for the analytes were compared to the USEPA Multi-Sector General Permit benchmarks or benchmarks from other sources when the USEPA Multi-Sector General Permit does not have a benchmark.

A total of 872 analyses were performed on the 18 samples collected during the 2013-2014 reporting period. Of these 872 analyses, a total of 133 had exceeded the benchmarks, a slight decrease from the 135 exceedances in FY12-13, but an increase from previous years (i.e., 102 exceedances in FY11-12, 50 exceedances in FY10-11 and 113 exceedances in FY09-10). It should be noted that more analytes were added during FY13-14 compared to previous years. These analytes were added to provide additional information related to 303(d) listings and investigative orders pertinent to the airport, and were not mandated per the current Industrial General Permit. The pollutants median concentrations and benchmark s50% or more of the time were total and dissolved copper, total and dissolved zinc, COD, ammonia, BOD, total aluminum, total iron, and enterococcus. Historically total and dissolved copper and total and dissolved zinc have exceeded benchmark levels in previous monitoring reports and are associated with day to day operations at an airport.

| Pollutant of Concern | Median Concentration | Benchmarks | No. of Analyses | No. of Exceedances | Exceedance Frequency (%) |
|----------------------|-------------------------|--------------------------|--------------------|-----------------------|--------------------------------|
| General Chemistry | | | | | |
| Ammonia (mg/L) | 2.775 | 2.14 ^(a) | 18 | 11 | 61 |
| BOD (mg/L) | 60 | 30 ^(a) | 18 | 11 | 61 |
| COD (mg/L) | 189.5 | 120 ^(a) | 18 | 12 | 67 |
| MBAS (mg/L) | 0.275 | 0.5 ^(b) | 18 | 0 | 0 |
| Oil & Grease (mg/L) | 1.35 | 15 ^(a) | 18 | 0 | 0 |
| pH (pH Units) | 6.66 | 6.0 - 9.0 ^(a) | 18 | 2 | 11 |
| SC (µmhos/cm) | 258.5 | 900 ^(b) | 18 | 1 | 6 |
| TSS (mg/L) | 56.5 | 100 ^(a) | 18 | 3 | 17 |
| Metals (µg/L) | | | | | |
| Ag, dissolved | ND | 3.2 ^(a) | 8 | 0 | 0 |
| Ag, total | ND | 3.8 ^(a) | 8 | 0 | 0 |
| Al | 1050 | 750 ^(a) | 18 | 11 | 61 |
| As, dissolved | ND | 150 ^(a) | 8 | 0 | 0 |

| As, total | ND | 150 ^(a) | 8 | 0 | 0 |
|--------------------------|-------|--------------------------------|----|----|----|
| Cd, dissolved | ND | 2 ^(a) | 8 | 0 | 0 |
| Cd, total | ND | 2.1 ^(a) | 8 | 0 | 0 |
| Cr III, dissolved | ND | 1,700 ^(c) | 8 | 0 | 0 |
| Cr III, total | ND | 550 ^(c) | 8 | 0 | 0 |
| Cr VI, dissolved | ND | 16 ^(c) | 8 | 0 | 0 |
| Cr VI, total | ND | 16.3 ^(c) | 8 | 0 | 0 |
| Cr, dissolved | ND | 50 ^(b) | 8 | 0 | 0 |
| Cr, total | ND | 50 ^(b) | 8 | 0 | 0 |
| Cu, dissolved | 78 | 14 ^(a) | 18 | 16 | 89 |
| Cu, total | 120 | 14 ^(a) | 18 | 17 | 94 |
| Fe | 1400 | 1,000 ^(a) | 18 | 11 | 61 |
| Hg, dissolved | ND | 1.2 ^(a) | 8 | 0 | 0 |
| Hg, total | ND | 1.4 ^(a) | 8 | 0 | 0 |
| Ni, dissolved | 11.35 | 469 ^(a) | 8 | 0 | 0 |
| Ni, total | 13.95 | 470 ^(a) | 8 | 0 | 0 |
| Pb, dissolved | ND | 64.9 ^(a) | 8 | 1 | 13 |
| Pb, total | ND | 82 ^(a) | 18 | 2 | 11 |
| Zn, dissolved | 345 | 120 ^(a) | 18 | 14 | 78 |
| Zn, total | 715 | 120 ^(a) | 18 | 15 | 83 |
| PAHs (µg/L) | | | | | |
| Acenaphthene | ND | 9 ^{.70^(d)} | 8 | 0 | 0 |
| Acenaphthylene | ND | 300 ^(d) | 8 | 0 | 0 |
| Anthracene | ND | 300 ^(d) | 8 | 0 | 0 |
| Benzo (a) anthracene | ND | 300 ^(d) | 8 | 0 | 0 |
| Benzo (a) pyrene | ND | 300 ^(d) | 8 | 0 | 0 |
| Benzo (b) fluoranthene | ND | 300 ^(d) | 8 | 0 | 0 |
| Benzo (g,h,i) perylene | ND | 300 ^(d) | 8 | 0 | 0 |
| Benzo (k) fluoranthene | ND | 300 ^(d) | 8 | 0 | 0 |
| Chrysene | ND | 300 ^(d) | 8 | 0 | 0 |
| Dibenzo(a,h)anthracene | ND | 300 ^(d) | 8 | 0 | 0 |
| Fluoranthene | ND | 42 ^(a) | 8 | 0 | 0 |
| Fluorene | ND | 300 ^(d) | 8 | 0 | 0 |
| Indeno (1,2,3-cd) pyrene | ND | 300 ^(d) | 8 | 0 | 0 |
| Naphthalene | ND | 2,350 ^(d) | 8 | 0 | 0 |
| Phenanthrene | ND | 300 ^(d) | 8 | 0 | 0 |
| Pyrene | ND | 300 ^(d) | 8 | 0 | 0 |

| PCBs (µg/L) | | | | | |
|------------------------------------|--------|---------------------------|----|---|-----|
| PCB-1016 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| PCB-1221 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| PCB-1232 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| PCB-1242 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| PCB-1248 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| PCB-1254 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| PCB-1260 | ND | 0.4 ^(e) | 18 | 0 | 0 |
| Organochlorine Pesticides | (µg/L) | | | | |
| 4,4′-DDD | ND | 3.6 ^(d) | 8 | 0 | 0 |
| 4,4′-DDE | ND | 14 ^(d) | 8 | 0 | 0 |
| 4,4′-DDT | ND | 0.13 ^(d) | 8 | 0 | 0 |
| Aldrin | ND | 1.3 ^(d) | 8 | 0 | 0 |
| Chlordane | ND | 0.09 ^(d) | 8 | 0 | 0 |
| Dieldrin | ND | 0.71 ^(d) | 8 | 0 | 0 |
| Endosulfan I | ND | 0.034 ^(d) | 8 | 0 | 0 |
| Endosulfan II | ND | 0.034 ^(d) | 8 | 0 | 0 |
| Endosulfan sulfate | ND | 0.027 ^(f) | 8 | 0 | - 0 |
| Endrin | ND | 0.037 ^(a) | 8 | 0 | 0 |
| Endrin aldehyde | ND | 0.0018 ^(c) | 8 | 0 | 0 |
| HCH-alpha | ND | 0.012 ^(f) | 8 | 0 | 0 |
| HCH-beta | ND | 0.012 ^(f) | 8 | 0 | 0 |
| HCH-delta | ND | 0.012 ^(f) | 8 | 0 | 0 |
| HCH-gamma (Lindane) | ND | 0.16 ^(d) | 8 | 0 | 0 |
| Heptachlor | ND | 0.053 ^(d) | 8 | 0 | 0 |
| Heptachlor epoxide | ND | 0.053 ^(d) | 8 | 0 | 0 |
| Toxaphene | ND | 0.21 ^(d) | .8 | 0 | 0 |
| TPH (mg/L) | | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.056-0.14 ^(f) | 18 | 0 | 0 |
| Jet-A | ND | 0.5 ^(f) | 18 | 0 | 0 |
| Oil Range Organics (C22- C36) | 0.15 | 0.5 ^(f) | 18 | 0 | 0 |
| Glycols (mg/L) | | | | | |
| Ethylene glycol | ND | 140 ^(f) | 2 | 0 | 0 |

| Microbiology (CFU/100 n | nL) | | | | |
|-------------------------|------|----------------------|---|---|----|
| Total Coliforms | 4635 | 1,000 ^(f) | 4 | 2 | 50 |
| Fecal Coliforms | 45 | 200 ^(f) | 4 | 1 | 25 |
| Enterococcus | 1055 | 276 ^(g) | 4 | 3 | 75 |

Notes:

- (a) USEPA National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit for Industrial Activities, 73 Federal Register (FR) 56572, Final, September 29, 2008. Values are from water quality criteria for Freshwater Aquatic life Protection and Human Health Protection (consumption of water and organisms), federal and state storm water discharge limits, and minimum levels calculated from laboratory method detection limits. For the seven metals Ag, Cd, Cr III, Cu, Ni, Pb, and Zn, values were calculated based on the assumptions of temperature 20° C, pH 7.8, and hardness as CaCO3 100 mg/L.
- (b) Drinking Water Standards, Maximum Contaminant Levels California (California Department of Health Services), California Code of Regulations (CCR), Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring.
- (c) Numeric Criteria for Priority Toxic Pollutants for the State of California; California Toxics Rule (40CFR131.38), USEPA, 65 Federal Register (FR) 31682-31719, May 18, 2000. The Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (Phase 1 of the Inland Surface Waters Plan and the Enclosed Bays and Estuaries Plan) was adopted by the State Water Resources Control Board on March 2, 2000, and became effective on May 18, 2000. Values are 30day Average Concentration for Human Health Protection (consumption of aquatic organisms for both Saltwater and Freshwater), unless indicated (IM) for (Instantaneous Maximum or (1H) for 1-Hour Average Maximum Concentration for Saltwater and Freshwater Aquatic Life Protection).
- (d) USEPA National Recommended Ambient Water Quality Criteria Saltwater and Freshwater Aquatic Life Protection, Recommended Ambient Water Quality Criteria, various dates. Values are Lowest Observed Effect Level (LOEL) concentrations for Acute Toxicity, unless indicated (IM) for Instantaneous Maximum Concentration or (1H) for 1-Hour Average Maximum Concentration.
- (e) Lab detection limits.
- (f) Water Quality Control Plan for Ocean Waters of California (2012 California Ocean Plan), California State Water Resources Control Board, August 19, 2013. Values are 30-day Average Concentration for Human Health Protection (consumption of aquatic organisms), unless indicated (IM) for Instantaneous Maximum Concentration for Marine Aquatic Life Protection.).
- (g) Water Quality Control Plan for the San Diego Basin (9) (September 8, 1994, with amendments effective on or before April 4, 2011).

All nine sampling sites had exceedances during each of the storm events with the exception of site C01-1a during the second storm event. Most of the sample sites are in the vicinity of the runway, taxiways, and ground service vehicle operations. The Airport Authority will continue to use collected data to evaluate the adequacy and effectiveness of the BMPs implemented near these sample sites, and to identify any needed improvements.

The 133 exceedances was comparable to the exceedances reported in previous years, the pollutants that exceeded benchmarks for stormwater samples collected during this reporting period are consistent with historic sampling data at the airport. Total and dissolved zinc and total and dissolved copper were listed as primary POCs due to relatively high exceedance frequencies in past monitoring seasons, and continued to show relatively high exceedance frequencies during the 2013-2014 season, as in previous runoff monitoring. Past analysis has suggested that tire and brake pad wear from landing aircraft and/or vehicles, as well as building roofs, may be a likely source of heavy metals. It appears that during the 2013-2014 season, ammonia, BOD, and COD showed lower exceedance frequencies, while aluminum

and iron showed higher exceedance frequencies compared to results from the 2012-2013 season. Continued monitoring will be examined to see whether this becomes a trend.

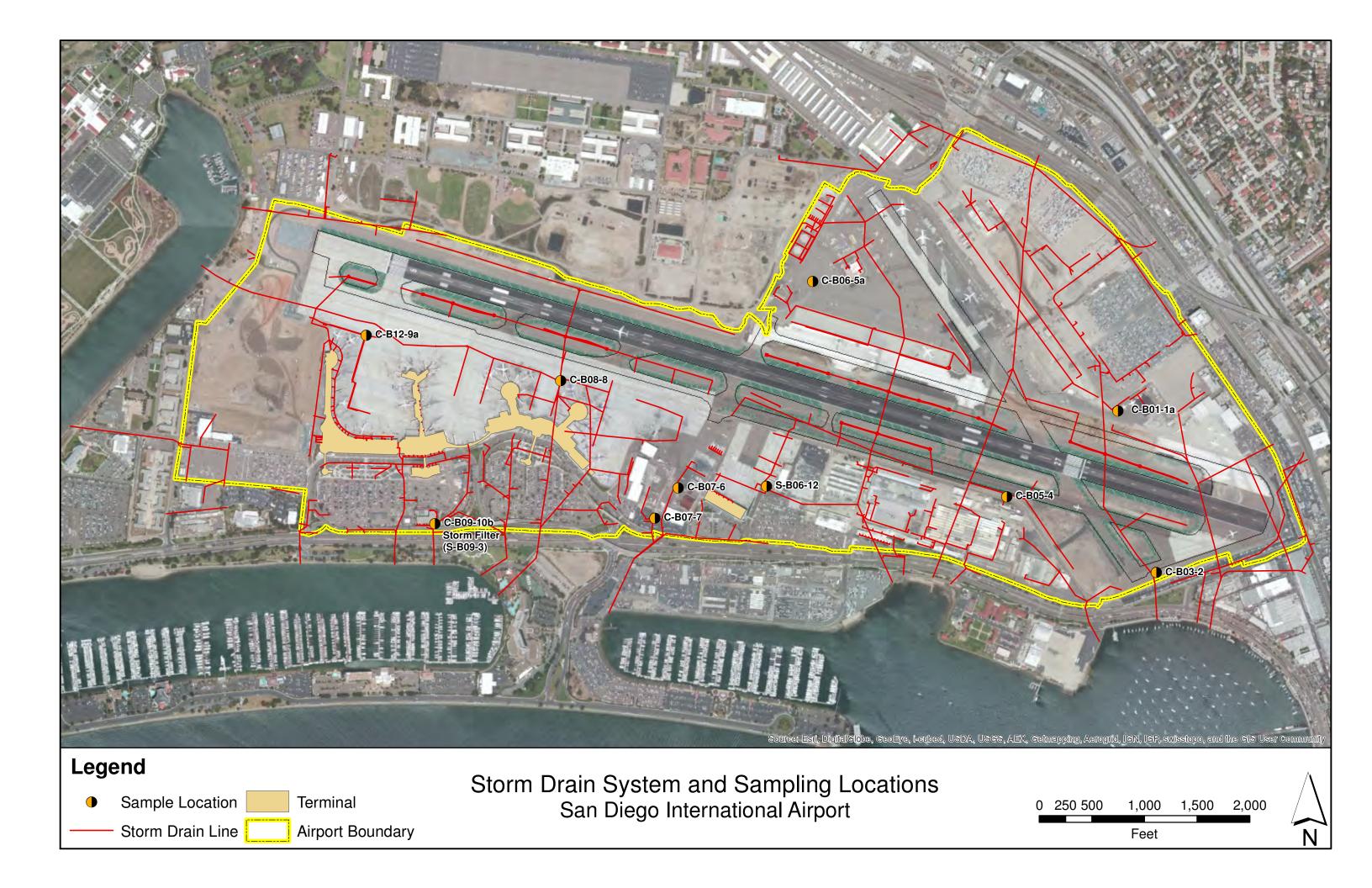
With the new MS4 permit (NPDES No. CAS0109266, Order No. R9-2013-0001) having taken effect on June 27, 2013 and the new Industrial General Permit (NPDES No. CAS000001, Order 2014-0057-DWQ) effective July 1, 2015, a transitional wet weather monitoring program is being finalized to guide future monitoring and sampling activities during the transitional period and the Authority's Storm Water Management Plan will be updated.

Along with evaluating our sampling plan and BMPs, the Airport Authority also conducts site audits every 2 years of all its tenants and their respective activities. Audits were conducted 2005, 2007, 2009, 2011 and late 2012/early 2013. The site audit results serve as a means to aid in the identification of potential pollutant sources and help to evaluate the effectiveness of the BMPs currently implemented by the tenants. These efforts are intended to outline new, additional, or modified BMPs that can be implemented to control or eliminate contaminants and to provide storm water BMP education for tenants who perform activities with the potential to impact stormwater runoff. Overall, the results of the 2007, 2009, 2011 and 2012/13 audits indicate a continued improvement in BMP implementation at San Diego International Airport. The site audits identify deficiencies in BMP implementation and provide a list of recommended changes for the Authority's Stormwater Management Program. The Authority's Storm Water Management Plan was revised in 2008 in response to the findings from the 2007 audit. More recent audits have not identified the need for further modifications to the Authority's Storm Water Management Plan.

As more storm water data is collected in the future, the increased statistical power of the dataset will be used to determine long-term adequacy and effectiveness of both the runoff monitoring program and the BMPs being implemented.

Attachment 2

Storm Drain System and Sampling Locations Map



Attachment 3

Forms

2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS FIRST STORM EVENT

If analytical results are less than the detection limit (or non detectable), show the value as less than the indicate "PA" in the appropriate test method used box.

· Make additional copies of this form as necessary.

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

net TITLE: AMEC, Consultant

Z R X SIGNATURE:

| | 1 | | 1 | | | | | 3 1 | | | | | | · · · · , · | | 1 |
|--|------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|--------------------------|---------------------|-------------------------|---|
| | | TOTAL ZINC Zn _t | 48 | 1500 | 7100 | 1100 | 1200 | 2200 | 250 | 1200 | 220 | hg/L | 0.2 | EPA 200.8 | LAB | |
| | | TOTAL IRON Fe _t | 0.56 | 4.9 | 1.90 | 1.1 | 3.20 | 2.1 | 0.094 | 3.10 | 0.26 | hg/L | 7.4 | EPA 200.8 | LAB | |
| | Other Parameters | OIL RANGE ORGANICS (C22-C36) | <0.05 | 0.64 | | <0.05 | 0.24 | 0.39 | 0.42 | 0.53 | <0.05 | mg/L | 0.05 | EPA 8015B | LAB | |
| JLTS ent | Other Pa | JET-A | <0.05 | 0.4 | | <0.05 | <0.05 | 0.24 | <0.05 | 0.26 | <0.05 | mg/L | 0.05 | EPA 8015B | LAB | Substances |
| ANALYTICAL RESULTS for First Storm Event | | DIESEL RANGE ORGANICS (C10-C24) | <0.05 | <0.05 | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | mg/L | 0.05 | EPA 8015B | LAB | MBAS - Methylene Blue Active Substances |
| ANALYT for Firs | | MBAS | <0.05 | 0.480 | 0.280 | 0.140 | 0.270 | 0.430 | 0.130 | 0.320 | 0.140 | mg/L | 0.05 | EPA 425.1 | LAB | MBAS - Meth |
| | | O&G | <1.4 | 6.9 | 2.00 | <1.4 | 2.00 | 4 | <1.4 | 4.30 | <1.4 | mg/L | 1. 4. | EPA 1664 | LAB | |
| | Basic Parameters | S | 97 | 950 | 600 | 296 | 260 | 389 | 3.9 | 690 | 322 | hmhos/cm | 0.1 | EPA 120.1 | LAB | O&G - Oil and Grease |
| | Basic Pa | TSS | 10.0 | 102.0 | 72 | 30 | 62 | 110.0 | 6 | 182 | 13.0 | mg/L | 1 | EPA 150.1 EPA 160.2 | LAB | |
| | | Hđ | 6.92 | 5.67 | 6.44 | 6.71 | 6.44 | 5.51 | 6.67 | 6.5 | 6.51 | pH units | 0.1 | EPA 150.1 | LAB | |
| TIME DISCHARGE STARTED | | | 10/29/2013 2:20 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/29/2013 2:20 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/9/2013 17:03 | TEST REPORTING UNITS: | DETECTION LIMIT: | TEST METHOD USED: | ANALYZED BY (SELF/LAB): | SC - Specific Conductance |
| DATE/TIME OF SAMPLE COLLECTION | | | 10/29/2013 3:30 | 10/9/2013 17:35 | 10/9/2013 17:45 | 10/9/2013 17:10 | 10/29/2013 4:00 | 10/9/2013 17:03 | 10/9/2013 17:12 | 10/9/2013 17:31 | 10/9/2013 17:09 | TESTF | TEST METHOD DETECTION LI | ΤĘ | ANALYZ | |
| DESCRIBE DISCHARGE LOCATION Example: NW out Fail | | | C-B01-1a | C-B03-2 | C-B05-4 | C-B06-5a | C-B07-6 | C-B07-7 | C-B08-8 | C-B09-10b | C-B12-9a | | | | | TSS - Total Suspended Solids |

Form 1 - page 1 of 10

The second se

,

2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS

 When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box. - If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical - Wh value of the detection limit (example: <.05) · If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· Make additional copies of this form as necessary.

| NAME OF PER | NAME OF PERSON COLLECTING SAMPLES: Anna Wernet | MPLES: Anna Wernet | | | TITLE: AME | TITLE: AMEC, Consultant | t | SIGNATURE: | se: | Ker | Y |
|--|--|---------------------------|--------------------------------------|----------------------------------|--------------------------------------|------------------------------------|---|----------------|---------------------|-----------------|-----------|
| DESCRIBE DISCHARGE LOCATION Example: NW out Fall | DATE/TIME OF SAMPLE COLLECTION | TIME DISCHARGE STARTED | | | | ANALY for Fi | ANALYTICAL RESULTS for First Storm Event | SULTS Event | | | |
| | | | | | | Other | Other Parameters (Cont.) | Cont.) | | | |
| | | | DISSOLVED ZINC Zn _d | TOTAL LEAD Pb _t | TOTAL ALUMINUM Al _t | TOTAL COPPER Cu _t | DISSOLVED COPPER Cu _d | BOD | COD | AMMONIA as N | ETHYLENE |
| | | | | | | | | | | | |
| C-B01-1a | 10/29/2013 3:30 | 10/29/2013 2:20 | 32.00 | <0.18 | 530 | 27.00 | 13 | 11.40 | 28 | 0.37 | |
| C-B03-2 | 10/9/2013 17:35 | 10/9/2013 17:03 | 1300 | 290.0 | 4300 | 1700 | 1400 | 210 | 1100 | 24.5 | |
| C-B05-4 | 10/9/2013 17:45 | 10/9/2013 17:03 | 5600 | <0.18 | 1800 | 1900 | 1500 | 115 | 660 | 4.50 | |
| C-B06-5a | 10/9/2013 17:10 | 10/9/2013 17:03 | 330 | <0.18 | 1000 | 82 | 58 | ŝ | 111 | 1.85 | |
| C-B07-6 | 10/29/2013 4:00 | 10/29/2013 2:20 | | <0.18 | 970 | 370 | 200 | 67 | 289 | 289 4.40 | |
| C-B07-7 | 10/9/2013 17:03 | 10/9/2013 17:03 | | <0.18 | 1800 | 760 | 560 | 130 | 130 424 | 12.2 | |
| C-B08-8 | 10/9/2013 17:12 | 10/9/2013 17:03 | 190 | 190 <0.18 | 72 | 120 | 66 | 14 | 53 | 0.95 | <4.7 |
| C-B09-10b | 10/9/2013 17:31 | 10/9/2013 17:03 | 920 | <0.18 | 2500 | 120 | | 196 | 560 | 5.00 | |
| C-B12-9a | 10/9/2013 17:09 | 10/9/2013 17:03 | 160 | <0.18 | 210 | 49 | | 16 | 31 | 2.40 | |
| | TEST | TEST REPORTING UNITS: | hg/L | hg/L | hg/L | hg/L | hg/L | mg/L | mg/L | mg/L | mg/L |
| | TEST METHOD DETECTION | DETECTION LIMIT: | 0.2 | 0.18 | 2.4 | 0.15 | 0.15 | 2 | 0.1 | 2.5 | 4.7 |
| | TE | TEST METHOD USED: | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 405.1 | EPA 405.1 EPA 410.4 | SM 4500-NH3 | EPA 8015B |
| | ANALY | ANALYZED BY (SELF/LAB): | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB |
| | | | BOD - Biol | BOD - Biological Oxygen Demand | Demand | | COD - Chemical Oxygen Demand | Dxygen Dema | and | | |

Form 1 - page 2 of 10

A second the second sec

| "PA" in the | | | | | TOTAL HEXAVALENT CHROMIUM CrVI _t | <0.00027 | <0.00027 | <0.00027 | <0.00027 | | | | | | mg/L | 0.00027 | EPA 218.6 | LAB |
|--|--|--|--|---|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|------------------------------|-------------------|-------------------------|
| ORM EVENT When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box. | | δ | | | DISSOLVED HEXAVALENT HE CHROMIUM CI CrVI _d | 012 <0.00027 · | | | | | | | | | mg/L | 0.00027 | EPA 218.6 B | LAB |
| le pH meters, SC | | Kar | | et season) | TOTAL TRIVALENT H CHROMIUM Crilit | <0.0012 | - | <0.0012 | 12 | | | | | | mg/L | 0.0012 | EPA 200.8 | LAB |
| is (such as portab | sary. | E | ULTS vent | Additional Parameters (added prior to 2013-2014 wet season) | DISSOLVED TRIVALENT CHROMIUM CHII _d | <0.0012 <0.0 | 3.1 8 | <0.0012 | 4.8 | | | | | | mg/L | 0.0012 | EPA 200.8 | LAB |
| portable analysi oox. | form as neces | SIGNATURE | ANALYTICAL RESULTS for First Storm Event | ded prior to | TOTAL CADMIUM Cd _t | <0.18 | | <0.18 | <0.18 | 2 | | | | | mg/L | 0.18 | EPA 200.8 | LAB |
| ORM EVENT • When analysis is done using port appropriate test method used box. | Make additional copies of this form as necessary. | _ | ANALYT for Firs | ameters (ad | DISSOLVED CADMIUM Cd _d | <0.18 | <0.18 | <0.18 | <0.18 | | | | | | hg/L | 0.18 | EPA 200.8 | LAB |
| HRST STORM EVEN he • When analysis appropriate test | Make additior | TITLE: AMEC, Consultant | | ditional Par | TOTAL ARSENIC As _t | <0.61 | <0.61 | <0.61 | <0.61 | | | | | | hg/L | 0.61 | EPA 200.8 | LAB |
| HISI SI an the | ox blank | Title: Ame | | Ad | DISSOLVED ARSENIC As _d | <0.61 | <0.61 | <0.61 | <0.61 | | | | | | µg/L | 0.61 | EPA 200.8 | LAB |
| FII lue as less than the | appropriate box blank | | | | TOTAL SILVER Ag _t | <0.14 | <0.14 | <0.14 | <0.14 | | | | | | hg/L | 0.14 | EPA 200.8 | LAB |
| e), show the va | stead, leave the | | | | DISSOLVED SILVER Ag _d | <0.14 | <0.14 | <0.14 | <0.14 | | | | | | hg/L | 0.14 | EPA 200.8 | LAB |
| n limit (or non detectabl s: <.05) | er, do not report "0". Ins | PLES: Anna Wernet | TIME DISCHARGE STARTED | | | 10/29/2013 2:20 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/29/2013 2:20 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/9/2013 17:03 | 10/9/2013 17:03 | TEST REPORTING UNITS: | ETECTION LIMIT: | TEST METHOD USED: | ANALYZED BY (SELF/LAB): |
| If analytical results are less than the detection limit (or non detectable), show the valu numerical value of the detection limit (example: <.05) | · If you did not analyze for a required parameter, do not report "0". Instead, leave the | NAME OF PERSON COLLECTING SAMPLES: Anna Wernet | DATE/TIME OF SAMPLE COLLECTION | | | 10/29/2013 3:30 | 10/9/2013 17:35 | 10/9/2013 17:45 | 10/9/2013 17:10 | 10/29/2013 4:00 | 10/9/2013 17:03 | 10/9/2013 17:12 | 10/9/2013 17:31 | 10/9/2013 17:09 | TEST REI | TEST METHOD DETECTION LIMIT: | TEST | ANALYZED |
| If analytical results al numerical value of the | If you did not analyze | NAME OF PERSON | DESCRIBE DISCHARGE LOCATION Example: NW Out Fall | | | C-B01-1a | C-B03-2 | C-B05-4 | C-B06-5a | C-B07-6 | C-B07-7 | C-B08-8 | C-B09-10b | C-B12-9a | | • | | |

Form 1 - page 3 of 10

1000

2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS FIRST STORM EVENT 2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS <u>FIRST STORM EVENT</u>

• When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box. - If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

• If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

SIGNATURE: GALOL

| DATE/TIME OF SAMPLE COLLECTION | MIT | TIME DISCHARGE STARTED | | | | 4 | ANALYTICAL RESULTS for First Storm Event | AL RESUL torm Eve | _TS nt | | | |
|--------------------------------------|-----|------------------------------|--|--------------------------------------|---|-------------------------------------|---|------------------------------------|--------------------------------------|----------------------------------|-------------------|--------------|
| | | | | | Addition | al Parameter | Additional Parameters (added prior to 2013-2014 wet season) (Cont.) | or to 2013-2 | 2014 wet se | ason) (Cont. | | |
| | | <u></u> | DISSOLVED CHROMIUM Cr _d | TOTAL CHROMIUM Cr _t | DISSOLVED MERCURY Hg _d | TOTAL MERCURY Hg _t | DI\$SOLVED NICKEL Ni _d | TOTAL NICKEL Ni _t | DISSOLVED LEAD Pb _d | TOTAL FECAL COLIFORM COLIFORM | FECAL COLIFORM | ENTEROCOCCUS |
| 10/29/2013 3:30 | | 10/29/2013 2:20 | <0.26 | <0.26 | <0.15 | <0.02 | <0.46 | <0.46 | <0.18 | | | |
| 10/9/2013 17:35 | | 10/9/2013 17:03 | 3.1 | 8.0 | <0.15 | <0.02 | 44 | 77 | 140 | | | |
| 10/9/2013 17:45 | | 10/9/2013 17:03 | <0.26 | <0.26 | <0.15 | <0.02 | 38 | 48.0 | <0.18 | | | |
| 10/9/2013 17:10 | | 10/9/2013 17:03 | 4.8 | 12 | <0.15 | 15 <0.02 | <0.46 | <0.46 | <0.18 | | | |
| 10/29/2013 4:00 | 3 1 | 10/29/2013 2:20 | | | | | | | | | | |
| 10/9/2013 17:03 | | 10/9/2013 17:03 | | | | | | | | | | |
| 10/9/2013 17:12 | × × | 10/9/2013 17:03 | | | | | | | | 270 | 40 110 | 110 |
| 10/9/2013 17:31 | | 10/9/2013 17:03 | | | | | 60000 | | | 60000 | 2400 | 2000 |
| 10/9/2013 17:09 | | 10/9/2013 17:03 | | | | | | | | | | |
| TEST RI | - | TEST REPORTING UNITS: | hg/L | hg/L | р9/С | hg/L | hg/L | hg/L | hg/L | CFU/100ml CFU/100ml | CFU/100ml | CFU/100ml |
| IETHOD [| | TEST METHOD DETECTION LIMIT: | 0.26 | 0.26 | 0.15 | 0.02 | 0.46 | 0.46 | 0.18 | 10/100 | + | F |
| TES | (n | TEST METHOD USED: | EPA 200.8 | EPA 200.8 | EPA 245.1 | EPA 245.1 | EPA 200.8 | EPA 200.8 | EPA 200.8 | SM 9222B | SM 9222D | SM 9230C |
| ANALYZE | | ANALYZED BY (SELF/LAB): | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB |
| | ŧ. | | | | | | | | | | | |

Form 1 - page 4 of 10

The second second

| (example: c. cl) (events) (allocation and parameter of on on operative in a propried and monoid operative in a propried and and and and and and and and and an | More than the request of not report. Title: Amer, ex, indicate the monosony. SON COLLECTING SAMPLES: Amar Warner Title: Amer, ex, indicate with the appropries est memorane. INTELIMINE OF SAMPLE Title: Amer, and the appropriate statement of the first statement of the first statement of the and monosony. INTELIMINE OF SAMPLE Discriticity SIGNUTINE. INTELIMINE OF SAMPLE Title: Amer, and the appropriate statement of the first statement of the first statement of the and monosony. INTELIMINE OF SAMPLE Discriticity SIGNUTIDE International Parameters (added prior to 2013-2014 with season) (Contr.) INTERNIC OF SAMPLE Discriticity SIGNUTIDE International Parameters (added prior to 2013-2014 with season) (Contr.) INTERNIC OF SAMPLE Discriticity SIGNUTIDE International Parameters (added prior to 2013-2014 with season) (Contr.) INTERNIC OF SAMPLE Discriticity SIGNUTIDE International Parameters (added prior to 2013-2014 with season) (Contr.) INTERNIC OF SAMPLE Discriticity SIGNUTIDE International Parameters (added prior to 2013-2014 of the season) (Contr.) INTERNIC OF SAMPLE Discriticity SIGNUTIDE International Parameters (added prior to 2013-2014 of the season) (Contr.) INTERNIC OF SAMPLE Discriticity Discriticity Discriticity INTERNIC OF SAMPLE Discriticity Discriticity Discriticity INTERNIC OF SAMPLE Discriticity Dis | · If analytical resu | ilts are less than the de | etection limit (or non dete | 2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESU FIRST STORM EVENT If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit | 2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS FIRST STORM EVENT a as less than the numerical value of the detection limit | | . When analysis is done using portable analysis (such as portable pH meters, SC |
|--|--|--|---------------------------|------------------------------|--|---|--|---|
| SON COLLECTING SAWPLES: And Wentet TITLE: AMEC, Consultant SIGMATURE: Consultant: Consultant Consultant SIGMATURE: Consultant: Consultant: Consultant | Son collecting swirtles: Ama Wende TITLE: AMEC, Consultant SigNUTURE DATETIME OF SAMPLE TIME TIME: Ama Wende DATETIME OF SAMPLE TIME MAILYTICAL RESULTS DATETIME OF SAMPLE DISCHARGE DISCHARGE DATETIME OF SAMPLE TIME AnallyTiCAL RESULTS COLLECTION STARTED Additional Parameters (added prior to 2013-2014 wet season) (cont.) COLLECTION POLYCHLORINATED BIPHENVIS POLYCHLORINATED BIPHENVIS | (example: <.05) - If you did not ar | alyze for a required pa | arameter, do not report "C | 0". Instead, leave the appropriate box blank | | meters, etc.), indicate "P · Make additional copies | A" in the appropriate test method used box. of this form as necessary. |
| Data Building Same Collection Time Same Same Same Same Same Same Same Sa | DATE/TIME of SAMMEL TIME SAMMEL ANALYTICAL RESULTS SAMMEL STARTED ANALYTICAL RESULTS SAMMEL STARTED STARTED COLLECTION STARTED Anditional Parameters (added prior to 2013-2014 wet season) (cont.) POLYCHLORINATED BIPHENULS POLYCYCLIC AROMATIC ORGANOCHLORINE TOTAL PORSONI 17:00 PORSONI 17:00 ORGANOCHLORINE TOTAL PORSONI 17:01 PORSONI 17:00 < | NAME OF PEF | SON COLLECTING | à SAMPLES: Anna W | | ITLE: AMEC, Consultant | SIGNATURE: | rear |
| Additional Parameters (added prior to 2013-2014 wet season) (Cont.) POLYCHLORINATED BIPHENVLS POLYCHLORINATED BIPHENVLS POLYCHLORINATED BIPHENVLS (PCB8) MCDROCARBONS (PHIs) PESTICIDES HARDNESS (PCB3) (PCB3) MCDROCARBONS (PHIs) PESTICIDES HARDNESS (PO2001317:05 10/29/2013 12:03 10/29/2013 12:03 -0.04 -0.00119-0.042 -0.002-0.5 26.6 (P02013 17:03 10/29/2013 7:03 -0.4 -0.00119-0.042 -0.002-0.5 343 (P02013 17:03 10/29/2013 7:03 -0.4 -0.00119-0.042 -0.002-0.5 343 (P02013 17:03 10/29/2013 7:03 -0.4 -0.00119-0.042 -0.002-0.5 343 (P02013 17:03 10/29/2013 7:03 -0.4 -0.002-0.5 343 -0.00 (P02013 17:03 10/29/2013 7:03 -0.4 -0.002-0.5 343 -0.002-0.5 343 (P02013 17:03 10/29/2013 7:03 -0.4 -0.002-0.5 343 -0.002-0.5 343 (P02013 17:03 10/9/2013 17:03 -0.4 -0.002-0.5 3 | Additional Parameters (added prior to 2013-2014 wet season) (Cont.) Additional Parameters (added prior to 2013-2014 wet season) (Cont.) POLYCHLORINATED BIPHENVLS POLYCYCLIC AROUATIC ORGANOCHLORINE IATBNESS POLSO POLSO POLSO POLSO POLSO POLSO POLSO< | DESCRIBE DISCHARGE LOCATION Example: NW Out Fall | | TIME DISCHARGE STARTED | | ANAL YTIC for First | CAL RESULTS Storm Event | |
| PolyCellORINATED BIPHENVLS POLYCCLIC AROMATIC ORGANOCCHLORINA TOTAL POLYCHLORINATED BIPHENVLS POLYCHLORINATED BIPHENVLS POLYCHLORINA TOTAL POLS POLS PADIUES PADIUES POLS POLS PADIUS PADIUS POLS POLS POLS PADIUES POLS POLS POLS POLS 10/22013 17:35 10/22013 17:03 POLS -0.04 -0.001190.0942 -0.002-0.5 343 10/22013 17:36 10/22013 17:03 POLS -0.04 -0.001190.0942 -0.002-0.5 66.0 10/22013 17:31 10/22013 17:03 POLS -0.04 -0.04 -0.02 -0.02 343 10/22013 17:32 10/22013 17:03 POLS -0.02 -0.02 343 -0.02 10/22013 17:04 10/22013 17:03 10/22013 17:03 -0.04 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02< | Pol. VCHLORINATED BIPHENVLS POLYCYCLIC AROMATIC ORGANOCHLORINE TOTAL PCBSD PCBSD PCBSD PCBSD PCBSD 10/29/2013 10/29/2013 10/29/2013 26.6 ADDDD 26.6 10/29/2013 10/29/2013 10/29/2013 20.0 -0.14 -0.002-0.5 26.6 10/29/2013 10/29/2013 20.0 -0.04 -0.00119-0.0942 -0.002-0.5 26.6 10/9/2013 17.50 10/9/2013 10/29/2013 26.6 -0.0 10/9/2013 10/9 10/9/2013 17.51 10/9/2013 17.00 -0.04 -0.00119-0.0942 -0.002-0.5 68.0 10/9/2013 17.51 10/9/2013 17.00 -0.04 -0.002-0.5 68.0 -0.0 10/9/2013 17.50 10/9/2013 17.61 19/9 19/9 19/9 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0< | | | | Addition | nal Parameters (added p | rior to 2013-2014 we | t season) (Cont.) |
| Program Program <t< td=""><td>Integration Integration Integration</td><td></td><td></td><td></td><td></td><td>OLYCYCLIC AROMATIC VDROCARBONS (PAHS)</td><td>ORGANOCHLORINE PESTICIDES</td><td>TOTAL HABDNESS</td></t<> | Integration | | | | | OLYCYCLIC AROMATIC VDROCARBONS (PAHS) | ORGANOCHLORINE PESTICIDES | TOTAL HABDNESS |
| 10/29/2013 3:30 10/29/2013 2:20 -0.4 -0.00119-0.0942 -0.002-0.5 26.6 10/9/2013 17:35 10/9/2013 17:03 -0.4 -0.00119-0.0942 -0.002-0.5 343 10/9/2013 17:36 10/9/2013 17:03 -0.4 -0.00119-0.0942 -0.002-0.5 66.0 10/9/2013 17:31 10/9/2013 17:03 -0.4 -0.00119-0.0942 -0.002-0.5 68.0 10/9/2013 17:31 10/9/2013 17:03 -0.4 -0.00119-0.0942 -0.022-0.5 68.0 10/9/2013 17:31 10/9/2013 17:03 -0.4 -0.0119-0.0942 -0.02-0.5 68.0 10/9/2013 17:04 10/9/2013 17:03 -0.4 -0.0119-0.0942 -0.02-0.5 68.0 10/9/2013 17:04 10/9/2013 17:03 -0.4 -0.4 -1/27 1/27 10/9/2013 17:03 10/9/2013 17:03 -0.4 -1/27 1/27 10/9/2013 17:04 10/9/2013 17:03 -0.4 1/27 1/27 10/9/2013 17:05 10/9/2013 17:03 -0.9 -0.4 1/27 10/9/2013 17:06 10/9/2013 17:03 -0. | 10/29/2013 3::30 10/29/2013 2::20 -0.4 -0.00119-0.0942 -0.002-0.5 28.6 10/9/2013 17:35 10/9/2013 17:33 0.09/2013 17:33 -0.4 -0.00119-0.0942 -0.002-0.5 343 10/9/2013 17:36 10/9/2013 17:33 -0.4 -0.00119-0.0942 -0.002-0.5 840 10/9/2013 17:30 -0.4 -0.00119-0.0942 -0.002-0.5 840 10/9/2013 17:30 -0.4 -0.00119-0.0942 -0.002-0.5 840 10/9/2013 17:03 -0.4 -0.0119-0.0942 -0.002-0.5 840 10/9/2013 17:03 -0.4 -0.0119-0.0942 -0.022-0.5 840 10/9/2013 17:03 -0.4 -0.0119-0.0942 -0.002-0.5 840 10/9/2013 17:03 -0.4 -0.0119-0.0942 -0.002-0.5 97.0 10/9/2013 17:03 -0.4 -0.1 127 127 10/9/2013 17:03 -0.94 -0.4 -0.0119-0.0942 0.002-0.5 0.4 10/9/2013 17:03 10/9/2013 17:03 -0.4 -0.1 127 127 1 | | | | , -1232, -1242, -1248, - | | | |
| 1092013 17:35 1092013 17:03 -0.4 -0.00119-0.0942 343 1092013 17:45 1092013 17:03 -0.4 -0.00119-0.0942 196 1092013 17:10 1092013 17:03 -0.4 -0.00119-0.0942 0.002-0.5 60.0 1092013 17:11 1092013 17:03 -0.4 -0.00119-0.0942 0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.0 97.0 1092013 17:03 1092013 17:03 -0.4 -0.0 127 1092013 17:04 1092013 17:03 -0.4 127 127 1092013 17:05 1092013 17:03 -0.4 127 127 1092013 17:04 1092013 17:03 -0.4 127 127 1092013 17:05 1092013 17:03 -0.4 127 127 1092013 17:05 1092013 17:03 -0.4 0.0 127 1092013 17:05 1092013 17:03 0.4 127 | 1092013 17:35 1092013 17:03 -0.4 -0.00119-0.042 -0.002-0.5 543 1092013 17:45 1092013 17:03 -0.4 -0.00119-0.042 -0.002-0.5 640 1092013 17:04 1092013 17:03 -0.4 -0.00119-0.042 -0.002-0.5 680 1092013 17:03 1092013 17:03 -0.4 -0.00119-0.042 -0.002-0.5 680 1092013 17:03 1092013 17:03 -0.4 -0.00119-0.042 -0.002-0.5 680 1092013 17:03 -0.4 -0.4 -0.00119-0.042 -0.002-0.5 680 1092013 17:03 -0.4 -0.4 -0.002-0.5 680 -0.001 1092013 17:04 1092013 17:03 -0.4 -0.002-0.5 680 -0.002 1092013 17:04 1092013 17:04 -0.4 -0.002-0.5 680 -0.002 1092013 17:04 1092013 17:04 -0.4 -0.002-0.5 680 -0.002 1092013 17:04 1092013 17:04 -0.4 -0.002-0.5 680 -0.002 1092013 17:04 1092013 17:04 | C-B01-1a | 10/29/2013 3:30 | 10/29/2013 2:20 | Ϋ́. | <0.00119-0.0942 | <0.002-0.5 | 26.6 |
| 1092013 17:46 1092013 17:03 19 1092013 17:10 10922013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:10 10922013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 0.92013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 0.92013 17:03 -0.4 -0.002-0.5 60.0 1092013 17:03 1092013 17:03 -0.4 -0.1 127 1092013 17:03 1092013 17:03 -0.4 -127 127 1092013 17:03 1092013 17:03 -0.4 -127 127 1092013 17:03 1092013 17:03 -0.4 127 127 1092013 17:03 1092013 17:03 -0.4 127 127 1092013 17:03 -0.94 -0.4 127 183 1092013 17:03 1092013 17:03 -0.4 167 183 1092013 17:03 1092013 17:03 -0.4 167 167 11092013 17:04 1092013 17:04 0.4 0.01 167 | 1092013 17:45 1092013 17:03 156 10922013 17:10 10922013 17:03 -0.4 -0.00119-0.0942 -0.002-0.5 60.0 10922013 17:10 10922013 17:03 -0.4 -0.00119-0.0942 -0.002-0.5 60.0 10922013 17:03 -0.4 -0.4 -0.00119-0.0942 -0.002-0.5 60.0 10922013 17:03 -0.4 -0.4 -0.00119-0.0942 -0.002-0.5 60.0 10922013 17:03 -0.4 -0.4 -0.00119-0.0942 -0.002-0.5 60.0 10922013 17:03 -0.4 -0.4 -0.4 -0.4 -0.1 127 10922013 17:03 -0.4 -0.4 -0.4 -0.4 127 10922013 17:03 -0.4 -0.4 -0.4 127 10922013 17:03 -0.4 -0.4 127 127 10922013 17:03 -0.4 -0.4 127 110 10922013 17:03 -0.92 -0.4 -0.1 110 1107 -0.4 -0.4 -0.6 100 | C-B03-2 | 10/9/2013 17:35 | 10/9/2013 17:03 | <0.4 | 0119-0.09 | <0.002-0.5 | 343 |
| 1092013 17:10 1092013 17:03 -0.4 -0.00119.0.042 -0.002-0.5 60.0 10292013 17:03 10292013 27:03 -0.4 -0.002-0.5 60.0 10922013 17:03 10922013 17:03 -0.4 97.0 97.0 10922013 17:12 10922013 17:03 -0.4 97.0 97.0 10922013 17:13 10922013 17:03 -0.4 127 127 10922013 17:13 10922013 17:03 -0.4 127 127 10922013 17:03 0.922013 17:03 -0.4 127 127 10922013 17:03 10922013 17:03 -0.04 127 127 10922013 17:03 10922013 17:03 -0.04 127 127 10922013 17:03 0.922013 17:03 -0.04 127 127 10922013 17:03 10922013 17:03 -0.04 148 161 110922013 17:04 10922013 17:04 0.04 107 161 110922013 17:03 0.0419-0.0942 0.02-0.5 0.4 161 111111111111111111111111111111111111 | 1092013 17:10 10922013 17:33 -0.4 -0.00119-0.0942 -0.002-0.5 60.0 10292013 17:03 102292013 22:00 -0.4 -0.00119-0.0942 -0.002-0.5 68.0 1092013 17:03 1092013 17:03 -0.4 97.0 97.0 1092013 17:03 1092013 17:03 -0.4 97.0 97.0 1092013 17:03 1092013 17:03 -0.4 127 127 1092013 17:03 1092013 17:03 -0.4 127 133 1092013 17:03 1092013 17:03 -0.4 127 133 1092013 17:03 1092013 17:03 -0.4 127 133 1092013 17:03 1092013 17:03 -0.4 133 133 1092013 17:03 1092013 17:03 -0.4 133 133 1092013 17:03 1092013 17:03 -0.4 133 130 11092013 17:03 1092013 17:03 -0.4 130 140 1110 110 1001 1001 100 140 1111 110 <td< td=""><td>C-B05-4</td><td>10/9/2013 17:45</td><td>10/9/2013 17:03</td><td></td><td></td><td></td><td>196</td></td<> | C-B05-4 | 10/9/2013 17:45 | 10/9/2013 17:03 | | | | 196 |
| 10/29/2013 4:00 10/29/2013 2:20 -0.4 68.0 10/9/2013 17:03 10/9/2013 17:03 -0.4 97.0 10/9/2013 17:03 10/9/2013 17:03 -0.4 127 10/9/2013 17:03 10/9/2013 17:03 -0.4 127 10/9/2013 17:03 10/9/2013 17:03 -0.4 127 10/9/2013 17:04 10/9/2013 17:03 -0.4 170 10/9/2013 17:03 -0.4 170 183 10/9/2013 17:04 0.9 -0.4 170 10/9/2013 17:04 0.9 -0.4 170 10/9/2013 17:04 0.9 -0.4 170 10/9/2013 17:04 0.9 -0.4 170 10/9/2013 17:04 0.0 -0.4 170 TEST REPORTING UNITS 0.4 0.00119-0.0942 0.02-0.5 0.4 TEST METHOD USED EPA 608 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB LAB | 10292013 4:00 10292013 2:20 -0.4 68.0 68. | C-B06-5a | 10/9/2013 17:10 | 10/9/2013 17:03 | · | <0.00119-0.09 | <0.002-0.5 | 60.0 |
| 109/2013 17:03 109/2013 17:03 97.0 10/9/2013 17:03 10/9/2013 17:03 97.0 127 10/9/2013 17:12 10/9/2013 17:03 127 10/9/2013 17:09 10/9/2013 17:03 183 10/9/2013 17:09 10/9/2013 17:03 183 10/9/2013 17:09 10/9/2013 17:03 183 10/9/2013 17:09 10/9/2013 17:03 183 10/9/2013 17:09 10/9/2013 17:03 197 183 TEST REPORTING UNITS 197 10 TEST METHOD DETECTION LIMIT 0.4 0.002-0.5 0.4 TEST METHOD USED <td>109/2013 17:03 109/2013 17:03 -0.4 97.0 109/2013 17:12 109/2013 17:03 -0.4 127 109/2013 17:12 109/2013 17:03 -0.4 127 109/2013 17:04 109/2013 17:03 -0.4 127 109/2013 17:05 109/2013 17:03 -0.4 123 109/2013 17:04 109/2013 17:03 -0.4 183 109/2013 17:05 109/2013 17:03 -0.4 183 109/2013 17:04 109/2013 17:03 -0.4 183 109/2013 17:05 0.9/2013 17:03 -0.4 183 109/2013 17:03 0.9/2013 17:03 -0.4 180/L 110 -0.9/2013 17:03 -0.4 180/L 183 110 -0.9/2013 17:03 -0.4 -0.4 183 112 -0.9/2013 17:03 -0.4 -0.4 10 112 -0.9/2013 17:03 -0.4 -0.0 -0.4 -0.4 112 -0.9/2013 17:03 0.4 -0.4 -0.002-0.5 0.4 EST METHOD USED<td>C-B07-6</td><td>10/29/2013 4:00</td><td>10/29/2013 2:20</td><td><0.4</td><td></td><td></td><td>68.0</td></td> | 109/2013 17:03 109/2013 17:03 -0.4 97.0 109/2013 17:12 109/2013 17:03 -0.4 127 109/2013 17:12 109/2013 17:03 -0.4 127 109/2013 17:04 109/2013 17:03 -0.4 127 109/2013 17:05 109/2013 17:03 -0.4 123 109/2013 17:04 109/2013 17:03 -0.4 183 109/2013 17:05 109/2013 17:03 -0.4 183 109/2013 17:04 109/2013 17:03 -0.4 183 109/2013 17:05 0.9/2013 17:03 -0.4 183 109/2013 17:03 0.9/2013 17:03 -0.4 180/L 110 -0.9/2013 17:03 -0.4 180/L 183 110 -0.9/2013 17:03 -0.4 -0.4 183 112 -0.9/2013 17:03 -0.4 -0.4 10 112 -0.9/2013 17:03 -0.4 -0.0 -0.4 -0.4 112 -0.9/2013 17:03 0.4 -0.4 -0.002-0.5 0.4 EST METHOD USED <td>C-B07-6</td> <td>10/29/2013 4:00</td> <td>10/29/2013 2:20</td> <td><0.4</td> <td></td> <td></td> <td>68.0</td> | C-B07-6 | 10/29/2013 4:00 | 10/29/2013 2:20 | <0.4 | | | 68.0 |
| 109/2013 17:12 109/2013 17:03 -0.4 127 109/2013 17:31 109/2013 17:03 -0.4 183 109/2013 17:32 -0.9/2013 17:03 -0.4 183 109/2013 17:09 109/2013 17:03 -0.4 183 109/2013 17:09 109/2013 17:03 -0.4 183 109/2013 17:03 0.9/2013 17:03 -0.4 183 TEST REPORTING UNITS μg/L μg/L μg/L mg/L EST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD USED: EPA 608 EPA 808 EPA 808 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB | 109/2013 17:12 109/2013 17:03 -0.4 127 10/9/2013 17:03 -0.4 183 10/9/2013 17:03 -0.4 183 10/9/2013 17:03 -0.4 183 10/9/2013 17:04 10/9/2013 17:03 -0.4 10/9/2013 17:03 -0.4 183 10/9/2013 17:03 -0.4 183 10/9/2013 17:03 -0.4 183 10/9/2013 17:03 -0.4 183 110 -0.4 -0.4 111 -0.9 -0.4 112 -0.9 -0.4 117:03 -0.4 -0.4 117:04 -0.4 -0.0 118 -0.9 -0.4 119 | C-B07-7 | 8 3 | 10/9/2013 17:03 | 4 | | | 97.0 |
| C-B09-10b 109/2013 17:33 -0.4 183 C-B12-9a 10/9/2013 17:03 -0.4 13 C-B12-9a 10/9/2013 17:03 -0.4 10 C-B12-9a 10/9/2013 17:03 -0.4 10 C-B12-9a 10/9/2013 17:03 -0.4 10 C-B12-9a 10/9/2013 17:03 0/1 -0.4 C-B12-9a 10/9/2013 17:03 0/1 mg/L TEST REPORTING UNITS 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD DETECTION LIMIT 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD USED: EPA 608 EPA 8310 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB | C-B09-10b 10/9/2013 17:33 -0.4 183 C-B12-9a 10/9/2013 17:03 -0.4 183 C-B12-9a 10/9/2013 17:09 10/9/2013 17:03 -0.4 10 TEST METHOD DETECTION LIMIT 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD DETECTION LIMIT 0.4 0.00119-0.0942 0.002-0.5 0.4 ANALYZED BY (SELF/LAB): EPA 608 EPA 803 EPA 803 SM 2340 C PAHS (Acmaphthene, Anthracene, Benzo (a) pytene; Benzo (a) pytene; Benzo (b) fluoranthene; Benzo (b) fluoranthene; Benzo (b) fluoranthene; Benzo (b) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluo | C-B08-8 | 81 | 10/9/2013 17:03 | <0.4 | | | 127 |
| C-B12-94 10/9/2013 17:03 <0.4 110 TEST REPORTING UNITS: μg/L μg/L μg/L mg/L TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB | C-B12-9a 10/9/2013 17:03 <0.4 110 TEST REPORTING UNITS: μg/L μg/L mg/L mg/L TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 AnALYZED BY (SELF/LAB): LAB | C-B09-10b | 10/9/2013 17:31 | 10/9/2013 17:03 | <0.4 | | | 183 |
| TEST REPORTING UNITS: μg/L μg/L μg/L mg/L TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD USED: EPA 608 EPA 8310 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB | TEST REPORTING UNITS: μg/L μg/L μg/L mg/L TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD USED: EPA 608 EPA 8310 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB PAHS (Acomphtthene, Acomphtitylene; Anthracene; Benzo (a) pyrene; Benzo (b) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Elenzo (b) fluoranthene; Benzo (b) fluoranthene; Benzo (b) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Elenzo (b) fluoranthene; Benzo (b) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Elenzo (b) fluoranthene; Benzo (b) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; | C-B12-9a | 10/9/2013 17:09 | 10/9/2013 17:03 | <0.4 | | | 110 |
| TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD USED: EPA 608 EPA 608 EPA 8310 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB LAB | TEST METHOD DETECTION LIMIT: 0.4 0.00119-0.0942 0.002-0.5 0.4 TEST METHOD USED: EPA 608 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB | | TEST RE | PORTING UNITS | hg/L | T/6rt | hg/L | mg/L |
| TEST METHOD USED: EPA 608 EPA 8310 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB | TEST METHOD USED: EPA 608 EPA 608 SM 2340 C ANALYZED BY (SELF/LAB): LAB LAB LAB LAB PAHs (Acenaphthene, Acenaphthylene; Anthracene; Benzo (a) anthracene; Benzo (b) fluoranthene; Benzo (g, h,i) perviene; Benzo (g, h,i) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a, h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Benzo (b) fluoranthene; Benzo (g, h,i) perviene; Benzo (k) fluoranthene; Dibenzo(a, h)anthracene; Fluoranthene; Fluoranthene; Benzo (g, h,i) perviene; Benzo (k) fluoranthene; Dibenzo(a, h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Benzo (b) fluoranthene; Benzo (g, h,i) perviene; Benzo (k) fluoranthene; Dibenzo(a, h)anthracene; Fluoranthene; Fluoranthene; Benzo (g, h,i) perviene; Benzo (k) fluoranthene; Dibenzo(a, h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a, h)anthracene; Fluoranthene; Fluoranthene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a, h)anthracene; Fluoranthene; | | TEST METHOD D | DETECTION LIMIT: | | 0.00119-0.0942 | 0.002-0.5 | 0.4 |
| ANALYZED BY (SELF/LAB): LAB LAB LAB LAB LAB | ANALYZED BY (SELF/LAB): LAB TARA Anthracene; Benzo (a) pyrene; Benzo (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Fluoranthene; Para (a) and Prene (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Para (a) and Prene (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Para (a) and Prene (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Para (a) and Prene (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Benzo (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Fluoranthene; Benzo (b) fluoranthene; Benzo (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Benzo (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluoranthene; Benzo (b) fluoranthen | | TEST | T METHOD USED: | EPA 608 | EPA 8310 | EPA 608 | SM 2340 C |
| | PAHs (Acenaphthene, Acenaphthylene; Anthracene; Benzo (a) anthracene; Benzo (b) fluoranthene; Benzo (g,h,l) perviene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Pluoranthene; Pluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Pluoranthene; Pluora | | ANALYZE | ED BY (SELF/LAB): | LAB | LAB | LAB | LAB |

HCH-gamma (Lindane); Heptachlor; -delta; I in; Endrin aldehyde; HCH-alpha; HCH-beta; HCH Endr Organochlorine Pesticides (4,4 ⁻DDD; 4,4 ⁻DDE; 4,4 ⁻DDT; Aldrin; Chlordane; Dieldrin; Endosulfan I; Endos Heptachlor epoxide; and Toxaphene)

.

Form 1 - page 5 of 10

2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS SECOND STORM EVENT

• If analytical results are less than the detection limit (or non detectable), show the value as less than the • When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), numerical value of the detection limit (example: <.05)

Make additional copies of this form as necessary.

If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

S SIGNATURE:

| 100 | · · · · · · · · · · · · · · · · · · · | | | The second second second | ACCREMENTS OF | - | CONTRACTOR OF | | and the Balance | - | | | and the local division of the local division | | | | |
|-----|--|-------------------------|--|--------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|------------------------------|---------------------------|-------------------------|---|
| | | | TOTAL ZINC Zn _t | 46 | 730 | 066 | 300 | 700 | 1000 | 150 | 460 | 120 | hg/L | 0.2 | EPA 200.8 | LAB | |
| | | | TOTAL IRON Fe _t | 0.085 | 0.30 | 2.1 | 1.1 | 3.3 | 2.0 | 0.061 | 1.7 | 0.10 | mg/L | 7.4 | EPA 200.8 | LAB | |
| | | ameters | OIL RANGE ORGANICS (C22-C36) | <0.05 | 0.25 | 0.15 | <0.05 | <0.05 | 0.14 | 0.15 | 0.23 | 0.18 | mg/L | 0.05 | EPA 8015B | LAB | |
| | ILTS vent | Other Parameters | JET-A | <0.05 | 0.17 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | mg/L | 0.05 | EPA 8015B | LAB | Substances |
| | ANALYTICAL RESULTS for Second Storm Event | | DIESEL RANGE ORGANICS (C10-C24) | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | mg/L | 0.05 | EPA 8015B | LAB | MBAS - Methylene Blue Active Substances |
| | ANAL YT for Seco | | MBAS | <0.05 | 0.340 | 0.310 | 0.280 | 0.190 | 0.390 | <0.05 | 0.350 | <0,05 | mg/L | 0.05 | EPA 425.1 | LAB | MBAS - Meth |
| | | | O&G | <2.0 | 2.90 | 2.20 | <2.0 | <2.0 | 3.30 | <2.0 | 2.40 | <2.0 | mg/L | 2.0 | EPA 1664 | LAB | l Grease |
| | | Basic Parameters | S | 186 | 443 | 236 | 183 | 257 | 166 | 164 | 305 | 170 | hmhos/cm | 0.1 | EPA 120.1 | LAB | O&G - Oil and Grease |
| | | Basic Pa | TSS | 7 | 86.0 | 63.0 | 189 | 26 | 69.0 | 7.00 | 51.0 | 10.0 | mg/L | ~~ | USED: EPA 150.1 EPA 160.2 | LAB | |
| | | | Hd | 7.05 | 6.40 | 6.70 | 7.12 | 6.65 | 6.51 | 7.05 | 6.98 | 7.18 | pH units | 0.1 | EPA 150.1 | LAB | |
| | TIME DISCHARGE STARTED | | | 11/21/2013 5:06 | 10/29/2013 2:20 | 10/29/2013 2:20 | 10/29/2013 2:20 | 11/21/2013 5:06 | 10/29/2013 2:20 | 10/29/2013 2:20 | 10/29/2013 2:20 | 10/29/2013 2:20 | TEST REPORTING UNITS: | TEST METHOD DETECTION LIMIT: | TEST METHOD USED: | ANALYZED BY (SELF/LAB): | SC - Specific Conductance |
| | DATE/TIME OF SAMPLE COLLECTION | | | 11/21/2013 5:20 | 10/29/2013 3:55 | 10/29/2013 3:45 | 10/29/2013 4:30 | 11/21/2013 5:40 | 10/29/2013 2:55 | 10/29/2013 2:40 | 10/29/2013 3:00 | 10/29/2013 3:10 | TEST | TEST METHOD | TE | ANALYZ | |
| | DESCRIBE DISCHARGE LOCATION Example: NW Out Fall | | | C-B01-1a | C-B03-2 | C-B05-4 | C-B06-5a | C-B07-6 | C-B07-7 | C-B08-8 | C-B09-10b | C-B12-9a | | | | | TSS - Total Suspended Solids |

Form 1 - page 6 of 10

- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box. 2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS <u>SECOND STORM EVENT</u> value of the detection limit (or non detectable), show the value as less than the numerical When analysis is

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

7 Z SIGNATURE:

| | | GLYCOL | | | | | | | <4.7 | | | mg/L | 4.7 | EPA 8015B | LAB | |
|--|--------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|--------------------------|---------------------|-------------------------|--------------------------------|
| | | AMMONIA as N | 0.320 | 8.10 | 3.15 | 0.850 | 3.45 | 4.45 | 0.250 | 2.40 | 0.400 | mg/L | 0.1 | SM 4500-NH3 | LAB | |
| | | COD | 12.0 | 196 | 168 | 456 | 195 | 184 | 28.0 | 280 | 77.0 | mg/L | 0.1 | EPA 410.4 | LAB | pu |
| SULTS Event | Cont.) | BOD | 2.10 | 88.0 | 67.0 | 195 | 21.8 | 71.8 | 10.4 | 53.0 | 12.4 | mg/L | 2 | EPA 405.1 EPA 410.4 | LAB | Dxygen Dema |
| ANALYTICAL RESULTS for Second Storm Event | Other Parameters (Cont.) | DISSOLVED COPPER Cu _d | 4.0 | 790 | 530 | 71 | 43 | 220 | 53 | 50 | 21 | hg/L | 0.15 | EPA 200.8 | LAB | COD - Chemical Oxygen Demand |
| ANAL) for Sec | Other | TOTAL COPPER Cu _t | 4.7 | 960 | 710 | 91 | 190 | 310 | | | 30 | hg/L | 0.15 | EPA 200.8 | LAB | 0 |
| | | TOTAL ALUMINUM Al _t | 06 | 3100 | 2300 | 1100 | 180 | | 42 | 1 · I | . 78 | hg/L | 2.4 | EPA 200.8 | LAB | Demand |
| | | TOTAL LEAD Pb _t | <0.18 | 120 | <0.18 | 12 | <0.18 | <0.18 | <0.18 | <0.18 | <0.18 | hg/L | 0.18 | EPA 200.8 | LAB | BOD - Biological Oxygen Demand |
| | | DISSOLVED ZINC Zn _d | 14 | 590 | | 210 | | | 94 | | 100 | µg/L | 0.2 | EPA 200.8 | LAB | BOD - Biolo |
| TIME DISCHARGE STARTED | | | 11/21/2013 5:06 | 10/29/2013 2:20 | 10/29/2013 2:20 | 10/29/2013 2:20 | 11/21/2013 5:06 | 10/29/2013 2:20 | 10/29/2013 2:20 | 10/29/2013 2:20 | 10/29/2013 2:20 | TEST REPORTING UNITS: | DETECTION LIMIT: | TEST METHOD USED: | ANALYZED BY (SELF/LAB): | |
| DATE/TIME OF SAMPLE COLLECTION | | | 11/21/2013 5:20 | 10/29/2013 3:55 | 10/29/2013 3:45 | 10/29/2013 4:30 | 11/21/2013 5:40 | 10/29/2013 2:55 | 10/29/2013 2:40 | 10/29/2013 3:00 | 10/29/2013 3:10 | TESTR | TEST METHOD DETECTION LI | ΤE | ANALYZI | |
| DESCRIBE DISCHARGE LOCATION Example: NW Out Fall | | | C-B01-1a | C-B03-2 | C-B05-4 | C-B06-5a | C-B07-6 | C-B07-7 | C-B08-8 | C-B09-10b | C-B12-9a | | | | | |

Form 1 - page 7 of 10

all summer and

the second s

2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS

• If analytical results are less than the detection limit (or non detectable), show the value as less than the appropriate test method used box.

· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

N S SIGNATURE:

| | | | | | | | | | - | • • | | |
|--|--------------------------------------|------------------------------|---|------------------------------------|---|-------------------------------------|---|--|---|--|--|--|
| DESCRIBE DISCHARGE LOCATION Example: NW Out Fail | DATE/TIME OF SAMPLE COLLECTION | TIME DISCHARGE STARTED | | | | | ANALY7 for Seco | ANALYTICAL RESULTS for Second Storm Event | SULTS i Event | | | |
| | | | | | Ad | Iditional Pa | rameters (ad | Ided prior to | Additional Parameters (added prior to 2013-2014 wet season) | wet season) | | |
| | | | DISSOLVE D SILVER Ag _d | TOTAL SILVER Ag _t | DISSOLVED ARSENIC As _d | TOTAL Arsenic As _t | DISSOLVED CADMIUM Cd _d | TOTAL CADMIUM Cd _t | DISSOLVED TRIVALENT CHROMIUM CrIII _d | TOTAL TRIVALENT CHROMIUM Crili _t | DISSOLVED HEXAVALENT CHROMIUM CrVI _d | TOTAL HEXAVALENT CHROMIUM CrVI _t |
| C-B01-1a | 11/21/2013 5:20 | 11/21/2013 5:06 | <0.14 | <0.14 | <0.61 | <0.61 | <0.18 | <0.18 | <0.0012 | <0.0012 | <0.00027 | <0.00027 |
| · C-B03-2 | 10/29/2013 3:55 | 10/29/2013 2:20 | <0.14 | <0.14 | <0.61 | <0.61 | <0.18 | <0.18 | <0.0012 | <0.0012 | <0.00027 | <0.00027 |
| C-B05-4 | 10/29/2013 3:45 | 10/29/2013 2:20 | 8 8 | <0.14 | <0.61 | <0.61 | <0.18 | <0.18 | <0.0012 | <0.0012 | <0.00027 | <0.00027 |
| C-B06-5a | 10/29/2013 4:30 | 10/29/2013 2:20 | <0.14 | <0.14 | <0.61 | <0.61 | <0.18 | <0.18 | <0.0012 | <0.0012 | <0.00027 | <0.00027 |
| C-B07-6 | 11/21/2013 5:40 | 11/21/2013 5:06 | | | | | | | | | | |
| C-B07-7 | 10/29/2013 2:55 | 10/29/2013 2:20 | | | | | | | | | | |
| C-B08-8 | 10/29/2013 2:40 | 10/29/2013 2:20 | | | , | | | | | | | |
| C-B09-10b | 10/29/2013 3:00 | 10/29/2013 2:20 | | | | | | | | | | |
| C-B12-9a | 10/29/2013 3:10 | 10/29/2013 2:20 | | | | | | | | | | |
| | TEST RE | TEST REPORTING UNITS: | hg/L | hg/L | hg/L | hg/L | hg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | TEST METHOD D | TEST METHOD DETECTION LIMIT: | 0.14 | 0.14 | 0.61 | 0.61 | 0.18 | 0.18 | 0.0012 | 0.0012 | 0.00027 | 0.00027 |
| | TEST | TEST METHOD USED: | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 200.8 | EPA 218.6 | EPA 218.6 |
| | ANALYZEI | ANALYZED BY (SELF/LAB): | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB |

Form 1 - page 8 of 10

A COMPANY AND A COMPANY

A THE CONTRACTOR

1.10

 When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box. · Make additional copies of this form as necessary. 2013-2014 ANNUAL REPORT FORM 1 - SAMPLING & ANALYSIS RESULTS • If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical • When analytical the detection limit (example: <.05) · If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

SIGNATURE:

| DESCRIBE DISCHARGE LOCATION Example: NW Out Fail | DATE/TIME OF SAMPLE COLLECTION | TIME DISCHARGE STARTED | | | | ~~~ | ANALYTICAL RESULTS for Second Storm Event | AL RESU Storm E | ILTS vent | | | |
|--|--------------------------------------|------------------------------|--|--------------------------------------|---|-------------|---|------------------------------------|---------------------------------------|---|-----------|--------------|
| | | | | | Additiona | I Parameter | rs (added pr | ior to 2013- | -2014 wet st | Additional Parameters (added prior to 2013-2014 wet season) (Cont.) | (; | |
| | | | DISSOLVED CHROMIUM Cr _d | TOTAL CHROMIUM Cr _t | DISSOLVED MERCURY Hg _d | Ŵ | total dissolved Ercury Nickel H9, Ni _d | TOTAL NICKEL Ni _t | DISSOL VED LEAD Pb ₄ | TOTAL FECAL COLIFORM COLIFORM | | ENTEROCOCCUS |
| C-B01-1a | 11/21/2013 5:20 | 11/21/2013 5:06 | <0.26 | <0.26 | <0.15 | <0.02 | <0.46 | <0.46 | <0.18 | | | 1 8 |
| C-B03-2 | 10/29/2013 3:55 | 10/29/2013 2:20 | <0.26 | <0.26 | <0.15 | <0.02 | 39 | 48 | 62 | | | |
| C-B05-4 | 10/29/2013 3:45 | 10/29/2013 2:20 | <0.26 | <0.26 | <0.15 | <0.02 | 16 | 20.0 | <0.18 | | | |
| C-B06-5a | 10/29/2013 4:30 | 10/29/2013 2:20 | <0.26 | <0.26 | <0.15 | <0.02 6.7 | 6.7 | 7.9 | <0.18 | | | |
| C-B07-6 | 11/21/2013 5:40 | 11/21/2013 5:06 | | | | | | | | | | |
| C-B07-7 | 10/29/2013 2:55 | 10/29/2013 2:20 | 1 1 | | | | | | | | | |
| C-B08-8 | 10/29/2013 2:47 | 10/29/2013 2:20 | | | | | | | | 6.0 | 7 | 5 |
| C-B09-10b | 10/29/2013 3:06 | 10/29/2013 2:20 | | | | | | | | 0006 | 50 | 0006 |
| C-B12-9a | 10/29/2013 3:10 | 10/29/2013 2:20 | | | | | | | | | | |
| | TEST | TEST REPORTING UNITS: | hg/L | hg/L | hg/L | hg/L | hg/L | þg/L | hg/L | CFU/100ml CFU/100ml | CFU/100ml | CFU/100ml |
| | TEST METHOD | TEST METHOD DETECTION LIMIT. | 0.26 | 0.26 | 0.15 | 0.02 | 0.46 | 0.46 | 0.18 | 1/100 | - | 1/100 |
| | Ħ | TEST METHOD USED: | EPA 200.8 | EPA 200.8 | EPA 245.1 | EPA 245.1 | EPA 200.8 | EPA 200.8 | EPA 200.8 | SM 9222B | SM 9222D | SM 9230C |
| | ANALY | ANALYZED BY (SELF/LAB): | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB | LAB |

Form 1 - page 9 of 10

| μg/L μg/L μg/L μg/L 0.4 0.00119-0.0942 0.002-0.5 | • If analytical resu (example: <-05) • If you did not ar NAME OF PER DISCHARGE DISCHARGE DISCHARGE LOCATION Example: NW Out Fall NW Out Fall C-B03-2 C-B03-2 C-B05-4 C-B06-5a C-B06-5a C-B07-7 C-B08-8 C-B07-7 C-B08-8 C-B07-7 C-B08-8 C-B07-7 C-B07-2 | RSON COLLECTING analyze for a required pa analyze for a required pa E DATE/TIME OF SAMPLE COLLECTION 10/29/2013 3:55 10/29/2013 3:45 10/29/2013 3:45 10/29/2013 3:45 10/29/2013 3:40 10/29/2013 2:55 10/29/2013 2:55 10/29/2013 2:55 10/29/2013 2:55 10/29/2013 2:55 | If analytical results are less than the detection limit (or non detectable (example: <.05) If you did not analyze for a required parameter, do not report "0". Ins NAME OF PERSON COLLECTING SAMPLES: Anna Wernet DISCHARGE DATE/TIME OF DISCHARGE STARTED DISCHARGE SAMPLE DISCHARGE Feample: NM Out Fall NM OUT FALL | SI show the value as less than the tead, leave the appropriate box t VCHLORINATED BIPHENYL Is Holds, -1221, -1232, -1242, - e0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 <0.4 < | SECOND STORM EVENT the numerical value of the detection limit meters, etc.), indicate PA" in the appropriate meters, etc.), indicate PA" in the appropriate MALYTICAL RESULTS ANALYTICAL RESULTS ANALYTICAL RESULTS MALYTICAL RESULTS Andditional Parameters (added prior to 2013-2014 wet season) (cont.) VLS POLYCYCLIC AROMATIC MADDING PAHS) PESTICIDES MADDINES 43.4 -0.00119-0.0942 -0.002-0.5 -0.002-0.5 -0.00119-0.0942 -0.00119-0.0942 -0.002-0.5 | ENIT When analysis is done using detection limit when analysis is done using meters, etc.), indicate "PA" in . Anal Valuant Make additional copies of thi . Consultant SIGNATURE: Anal VTICAL RESULTS For Second Storm Event For Second Storm Event For Second Storm Event Anal VTICDES Anal VOLORIOES Anal VOLORIO Anal VOLORIO Anal VOLORIO SIGNATURE: Anal VOLORIO SIGNATURE: Anal VOLORIO SIGNATURE: Anal VOLORIO SIGNATURE: Anal VOLORIO SIGNATIC Anal VIC SIGNATIC Anal VIC SIGNATIC Anal VIC SIGNATIC Anal VIC SIGNATIC Anal VIC </th <th>When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate 'PA" in the appropriate test method used box. Make additional copies of this form as necessary. SIGNATURE: Art Art Art Art Art Art Art Art Art</th> | When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate 'PA" in the appropriate test method used box. Make additional copies of this form as necessary. SIGNATURE: Art Art Art Art Art Art Art Art Art |
|---|--|---|---|---|--|---|---|
| | | TEST RE | EPORTING UNITS: | hg/L | μg/L | μg/L | mg/L |
| | | TEST METHOD D | DETECTION LIMIT: | 190 L | ну. 0.00119-0.0942 | ну г 0.002-0.5 | пус 0.4 |
| LAB LAB LAB LAB LAB LAB | | TESI ANALYZE | TEST METHOD USED: -YZED BY (SELF/LAB): | EPA 608 LAB | EPA 8310 LAB | EPA 608 LAB | SM 2340 C LAB |

Heptachlor epoxide; and Toxaphene)

Form 1 - page 10 of 10

A LONG TO A LONG LONG TO A RULE OF

2013-2014 ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDS)

- .
- Quarterly dry weather visual observations are required of each authorized NSWD. Observe each authorized NSWD source, impacted drainage area, and discharge location. .
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit. Make additional copies of this form as necessary. .
 - •

| YES If YES, complete |
|---------------------------------|---------------------------------|---------------------------------|--|
| reverse side of | reverse side of | reverse side of | reverse side of |
| NO this form. | NO this form. | NO this form. | NO this form. |
| WERE ANY AUTHORIZED NSWDS |
| DISCHARGED DURING THIS QUARTER? |
| Observers Name: Anna Wernet | Observers Name: Anna Wernet | Observers Name: Claire Johnson | Observers Name: Anna Wernet Title: AMEC, Consultant Signature: |
| Title: AMEC, Consultant | Title: AMEC, Consultant | Title: AMEC, Consultant | |
| Signature: | Signature: | Signature: AMM AM | |
| QUARTER: | QUARTER: | QUARTER: | QUARTER: |
| JULY-SEPT. | OCTDEC. | JAN-MARCH | APRIL-JUNE |
| DATE: | DATE: | DATE: | DATE: |
| 9/18-19/13 | 12/3-5/13 | 3/17-24/14 | 5/19-30/14 |

1011 N. N

10.000

SIDE A

| 2013-2014 | ANNUAL REPORT |
|-----------|----------------------|
|-----------|----------------------|

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

| | | | | _ | | والمراجع المتحديد المتحديد | 5 (5 (1)) · · · · · · · · · · · · · · · · · · | | |
|---|--|---------------------------------------|----------|---|---------|--------------------------------|---|----------|----------|
| DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE | | None | | | | | | | |
| DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc. | At the NSWD Drainage Area and Discharge Location | clear, odorless | | | | | | | |
| DESCRIBE AL CHARA Indicate whether authoria discolored, causing stail discolored or an oil shee | At the NSWD Source | clear, odorless | | | | | | | |
| NAME OF AUTHORIZED NSWD | <u>EXAMPLE:</u> Air conditioner condensate | Fire Fighting Discharge (training) | | | | | | | |
| SOURCE AND LOCATION OF AUTHORIZED NSWD | EXAMPLE: Air conditioner Units on Building C | ARFF Fire Fighting Equipment | | | | | | | |
| DATE /TIME OF OBSERVATION | | 3/19/2014 | 12:30 AM | | MA D | MA | | MA MA | MA MA |

SIDE B

| 2014 | REPORT |
|-------|--------|
| 2013- | ANNUAL |

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED **NON-STORM WATER DISCHARGES (NSWDs)**

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in
 - Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs. Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that cannot be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.

| Make additional complexition | Make additional copies of this form as necessary. | | | |
|--|---|----------------------------|------------|------------------------|
| QUARTER: JULY-SEPT. | | | | If YES to |
| | Observers Name: Anna Wernet | | | either |
| DATE OF | | NSWDS OBSERVED? | | auestion. |
| OBSERVATIONS | Title: AMEC. Consultant | ACTION ATIONS OF | | complete |
| | | | | ravarca |
| 9/18-19/2013 | N C BYC | PRIOR UNAUTHORIZED NSWUS | | side |
| | | | | LE VEC 12 |
| QUARTER: OCTDEC. | | | | |
| | Observers Name: Anna Wernet | | | either |
| DATE OF | | NSWDS OBSERVED ? | | question, |
| OBSERVATIONS | Title AMEC Consultant | | | complete |
| | | WERE THERE INDICATIONS OF | | |
| 12/ 3-5/2013 | | PRIOR UNAUTHORIZED NSWDs? | YES 🗆 NO 🔳 | reverse |
| | Signature: | | | side. |
| QUARTER: JANMARCH | | | | If YES to |
| | Observers Name: Claire Johnson | WERE UNAUTHORIZED | | either |
| DATE OF | | NSWDs OBSERVED? | | anestion |
| OBSERVATIONS | Title. AMEC Concultant | | | qaooilori, comploto |
| | | WERE THERE INDICATIONS OF | | |
| 3/17-24/2014 | Place /1/ | PRIOR UNAUTHORIZED NSWDs? | YES 🗌 NO | reverse |
| | Signature: / ////// Charlow | |] | side. |
| QUARTER: APRIL-JUNE | | | | If YES to |
| | Observers Name: Anna Wernet | WERE UNAUTHORIZED | | either |
| DATE OF | | NSWDs OBSERVED? | | question. |
| OBSERVATIONS | Title: AMEC. Consultant | | | complete |
| | | | | reverse |
| 5/19-30/2014 | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | PHIOK UNAU I HORIZED NSWUS | | side |
| _ | | | | |

SIDE A

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>09/18/13</u> <u>9:08</u> ■ AM □ PM | Hydraulic oil | Delta Airlines - Gate | Spilled hydraulic oil observed at Gate 51. | Confirmation of issue(s) resolution received 11/15/13. Email was sent to Delta. Area was cleaned. |
| <u>09/18/13</u> <u>9:08</u> ■ AM □ PM | Trash | Delta Airlines - Gate | Foreign object debris (FOD) containers observed to be uncovered at Gates 48 and 49. | Confirmation of issue(s) resolution received 11/15/13. Email was sent to Delta. Delta advised all agents to ensure FOD buckets remain sealed. |
| <u>09/18/13</u> <u>9:29</u> ■ AM □ PM | Lavatory fluid | SkyWest Airlines – Commuter Terminal | Lavatory waste truck observed to have accumulated liquid in hose. | Confirmation of issue(s) resolution received 04/14/14. Email was sent to SkyWest. Hoses were drained immediately after inspection. No issues detected during 12/3/13 inspection. |
| <u>09/18/13</u> <u>9:29</u> ■ AM □ PM | Hydraulic oil | SkyWest Airlines – Commuter Terminal | Hydraulic oil spill observed on ramp. | Confirmation of issue(s) resolution received 04/14/14. Email was sent to SkyWest. Area was cleaned. No issues detected during 12/3/13 inspection. |

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>09/18/13</u> <u>9:37</u> ■ AM □ PM | Oil spill | American Airlines - Airside | Equipment observed to be leaking. | Confirmation of issue(s) resolution received 10/09/13. Email was sent to American. Leaking equipment removed for repairs. |
| <u>09/18/13</u> <u>9:37</u> ■ AM □ PM | Water source | American Airlines - Airside | Water hose in wash rack area observed to be leaking. | Confirmation of issue(s) resolution received 10/09/13. Email was sent to American. Nozzle on hose replaced and no longer leaking. |
| <u>09/18/13</u> <u>9:37</u> ■ AM □ PM | Sediment | American Airlines – Maintenance | Accumulated sediment observed in maintenance yard. | Confirmation of issue(s) resolution received 10/09/13. Email was sent to American. Area was swept and sediment removed. |
| <u>09/18/13</u> <u>9:44</u> ■ AM □ PM | Petroleum spill | Allied – Fueling Area | Spilled gasoline/diesel observed outside fueling lanes. | Confirmation of issue(s) resolution received 10/08/13. Email was sent to Allied. Area was steam cleaned and is inspected regularly. |

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>09/18/13</u> <u>9:44</u> AM | Trash | Allied – Fueling Area | FOD observed at fueling station. | Confirmation of issue(s) resolution received 10/04/13. Email was sent to Allied. |
| | | | - | Sweeping activities were increased to control FOD. |
| <u>09/18/13</u> | Improper storage | Allied – Storage Area | Equipment stored outdoors without proper cover. | Confirmation of issue(s) resolution received 10/04/13. |
| <u>9:44</u> | | | | Email was sent to Allied. Tenant covered equipment that was still operational and has planned to remove non-operational equipment. |
| 09/18/13 | Fuel spill | ASIG – Other | Spilled Jet-A fuel observed adjacent to vehicle. | Confirmation of issue(s) resolution received 10/22/13. |
| <u>9:54</u> ■ AM □ PM | | | | Email was sent to ASIG. Leaking vehicle repaired. Tenant briefed mechanics to place drip pans. |
| 09/18/13 | Oil spill | ASIG – Maintenance | Spilled oil observed from vehicle in maintenance yard. | Confirmation of issue(s) resolution received 10/22/13. |
| <u>9:54</u> ■ AM □ PM | | | | Email was sent to ASIG. Tenant briefed mechanics on proper procedure. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|---|
| <u>09/18/13</u> <u>9:54</u> ■ AM □ PM | Oil spill | ASIG – North Ramp | Spilled oil adjacent to FedEx operational area. | Confirmation of issue(s) resolution received 10/22/13. Email was sent to ASIG. Area was cleaned and tenant briefed maintenance on proper procedure. |
| <u>09/18/13</u> <u>9:54</u> ■ AM □ PM | Petroleum spill | ASIG – Fueling Area | Spilled gasoline/diesel observed outside fueling lanes. | Confirmation of issue(s) resolution received 10/22/13. Email was sent to ASIG. Area was cleaned and tenant briefed maintenance on proper procedure. |
| 09/18/13 10:55 ■ AM □ PM | Hydraulic oil spill | Southwest Airlines – Gate | Hydraulic oil from jet engine observed at gate after airplane left area. | Confirmation of issue(s) resolution received 10/11/13. Email was sent to Southwest Airlines. The area was cleaned and the tenant reviewed procedures with employees. |
| <u>09/18/13</u> <u>10:55</u> ■ AM □ PM | Improper storage | Southwest Airlines – Terminal 1 | 55 gallon drum of used absorbent not properly contained. | Confirmation of issue(s) resolution received 10/11/13. Email was sent to Southwest Airlines. Absorbent was moved under cover and the tenant reviewed procedures with employees. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: | SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| | Vehicle Wash Water | NW Corner of Parking Lot | | |
| <u>09/18/13</u> | Hydraulic oil spill | Southwest Airlines – Gate | Hydraulic oil from jet engine observed at gate after airplane left area. | Confirmation of issue(s) resolution received 10/11/13. |
| <u>10:55</u> ■ AM □ PM | | | | Email was sent to Southwest Airlines. The area was cleaned and the tenant reviewed procedures with employees. |
| <u>09/18/13</u> | Trash | Flagship – Terminal 1 | Uncovered dumpster observed at Gate 5. | Confirmation of issue(s) resolution received 09/18/13. |
| <u>10:56</u> ■ AM □ PM | | | | Issue was resolved on site. Inspector observed Flagship personnel closing dumpster. |
| <u>09/18/13</u> | Trash | Flagship – Terminal 1 | Accumulated trash and debris were observed at the dumpster staging area near the conveyor belts in Terminal 1. | Confirmation of issue(s) resolution received 12/13/13. |
| <u>10:56</u> ■ AM □ PM | | | | Email was sent to Flagship. Flagship will continue monitoring and cleaning area as necessary. |
| 09/18/13 | Trash | Elite Line Services– Terminal 1 | Accumulated trash and debris were observed near the conveyor belts in Terminal 1. | Confirmation of issue(s) resolution received 10/09/13. |
| <u>11:06</u> ■ AM □ PM | | | | Email was sent to Flagship. Flagship will continue monitoring and cleaning area as necessary. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>09/18/13</u> | Oil stain | Alaska Airlines – Gate | Fresh oil spots were observed. | Confirmation of issue(s) resolution received 10/08/13. |
| <u>1:11</u> | | | | Email was sent to Alaska. Tenant reviewed cleanup requirements and inspected equipment for leaks. |
| 09/18/13 | Oil stain | Japan Airlines – Gate | Fresh hydraulic oil was observed at Gate 20. | Confirmation of issue(s) resolution received 10/04/13. |
| <u>1:39</u> | | | | Email was sent to JAL. Tenant advised vendors of procedure. |
| 09/18/13 | Improper storage | HMS Host – Terminal 2 General | Unused equipment, which appears to be waste was observed next to HMS conex storage container staged adjacent to Gate 24. | Confirmation of issue(s) resolution received 09/27/13. |
| <u>2:00</u> | | | | Email was sent to HMS Host. Unused equipment was removed and area was cleaned. |
| 09/18/13 | Oil spill | Frontier Airlines – Gate | WFS tug cart parked at gate 28 was observed to be leaking. | Confirmation of issue(s) resolution received 10/01/13. |
| <u>2:03</u> | | | | Email was sent to Frontier. Leak was identified and repaired. Spill was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>09/18/13</u> <u>2:16</u> | Oil spill | US Airways – Gate | Spilled hydraulic oil was observed at gate 34. | Confirmation of issue(s) resolution received 09/27/13. Email was sent to US Airways. Spill was cleaned. |
| <u>09/18/13</u> <u>2:16</u> | Trash | US Airways – Gate | FOD container was observed to be uncovered. | Confirmation of issue(s) resolution received 09/26/13. Email was sent to US Airways. Tenant briefed employees to ensure trash bins are covered. |
| <u>09/19/13</u> <u>8:29</u> ■ AM □ PM | Trash | FedEx – Parking lot | Accumulated trash was observed throughout the parking lot used by FedEx employees. | Confirmation of issue(s) resolution received 09/30/13. Email was sent to FedEx. Tenant directed sweeper to focus on parking lot and ramp areas. |
| <u>09/19/13</u> <u>8:29</u> ■ AM □ PM | Oil stains | FedEx – North Ramp | FedEx tug used on the ramp operations (westside) was observed to be leaking | Confirmation of issue(s) resolution received 09/30/13. Email was sent to FedEx. Stains are from overspill from fueling. Stains were cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>09/19/13</u> <u>8:29</u> ■ AM □ PM | Oil spill | FedEx – North Ramp | Spilled gasoline/oil was observed in front of conveyer belt operating equipment. Per maintenance operations from FedEx, this was caused by ASIG personal. | Confirmation of issue(s) resolution received 09/30/13. Email was sent to FedEx. ASIG cleaned the area. |
| <u>09/19/13</u> <u>8:29</u> ■ AM □ PM | Improper storage | FedEx – Storage Area | Outdoor storage covers are deteriorated and should be replaced prior to the start of the rainy season. | Confirmation of issue(s) resolution received 09/30/13. Email was sent to FedEx. Materials were moved to shed or covered with plastic. |
| <u>09/19/13</u> <u>8:29</u> ■ AM □ PM | Oil spill | FedEx – North Ramp | Spilled oil was observed adjacent to FedEx storage crates. | Confirmation of issue(s) resolution received 09/30/13. Email was sent to FedEx. Area was cleaned and spill material properly disposed of. |
| <u>09/19/13</u> <u>8:58</u> ■ AM □ PM | Sediment | Bradford – Other | Accumulated sediment and debris observed in treatment control BMPs. | Confirmation of issue(s) resolution received 09/25/13. Email was sent to Bradford. Sediment was removed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>09/19/13</u> <u>9:16</u> ■ AM □ PM | Improper Storage | ARFF – ARFF Station | Equipment stored outdoors observed to be uncovered. | Confirmation of issue(s) resolution received 06/20/14. Email was sent to ARFF. The area was re-inspected 06/20/14 and no issue was found. |
| <u>09/19/13</u> <u>9:16</u> ■ AM □ PM | Improper Storage | ARFF – ARFF Station | Equipment stored outdoors observed to be inoperable (flat tire) and uncovered. | Confirmation of issue(s) resolution received 12/03/13. Email was sent to ARFF. The area was re-inspected 12/03/13 and no issue was found. |
| <u>09/19/13</u> <u>9:29</u> ■ AM □ PM | Sediment | SDCRAA – North Ramp | Sediment dumpster was observed uncovered. | Confirmation of issue(s) resolution received 10/23/13. Dumpster was covered. |
| <u>09/19/13</u> <u>9:29</u> ■ AM □ PM | Sediment | SDCRAA – Storage Area | Bone Yard drain insert observed to have accumulated sediment. | Confirmation of issue(s) resolution received 10/23/13. The BMP was repaired/replaced. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>09/19/13</u> | Trash | SDCRAA – Other (Triturator) | Accumulated trash was observed at the Triturator. | Confirmation of issue(s) resolution received 10/23/13. |
| <u>9:29</u> ■ AM □ PM | | | | Area was cleaned. |
| <u>09/19/13</u> | Sediment | SDCRAA – Other (Behind Blast Fence) | Storm drain protections observed to have accumulated sediment and debris. | Confirmation of issue(s) resolution received 10/23/13. |
| <u>9:29</u> ■ AM □ PM | | | | The BMP was repaired/replaced. |
| 09/19/13 | Trash | SDCRAA – Storage Area | Accumulated trash, debris, and absorbant observed throughout Generator Area. | Confirmation of issue(s) resolution received 10/23/13. |
| <u>9:29</u> ■ AM □ PM | | | | A workorder was submitted and the area was cleaned. |
| 09/19/13 | Oil stain | UPS – North Ramp | Oil and gasoline residue observed adjacent to equipment. | Confirmation of issue(s) resolution received 10/04/13. |
| <u>10:15</u> ■ AM □ PM | | | | The areas were pressure washed and scrubbed according to the approved Wash Plan. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>09/19/13</u> <u>10:24</u> | Sediment | DHL – North Ramp | A storm drain with broken sand/gravel bags was observed within loading/unloading area. | Confirmation of issue(s) resolution received 10/22/13. Email was sent to DHL. Broken bags were removed and replaced. |
| <u>09/19/13</u> <u>10:24</u> ■ AM □ PM | Oil spill | DHL – North Ramp | ABX Air equipment were observed to be leaking. | Confirmation of issue(s) resolution received 10/22/13. Email was sent to DHL. The area was cleaned and equipment checked for leaks. Drip pans were used as necessary. |
| <u>09/19/13</u> <u>10:38</u> ■ AM □ PM | Oil spill | Landmark Aviation – North Ramp | Various equipment observed to be leaking without drip pans. | Confirmation of issue(s) resolution received 10/09/13. Email was sent to Landmark. Area was cleaned and spill material properly disposed of. Leaking equipment repaired or drip pans used. |
| <u>09/19/13</u> <u>12:45</u> | Oil spill | ACE – Storage Area | Oil leaks observed in Terminal 2 storage area. | Confirmation of issue(s) resolution received 09/25/13. Email was sent to ACE. Area was cleaned and spill material properly disposed of. A drip pan was placed beneath the sweeper. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/03/13</u> <u>1:00</u> | Improper storage | FedEx – Parking Lot | Exposed batteries from lights were observed to be along parking spaces. | Confirmation of issue(s) resolution received 06/20/14. Batteries are Authority property. The area was reinspected on 6/20/14 and no batteries were present. |
| <u>12/03/13</u> <u>1:00</u> | Trash | FedEx – Parking Lot | Trash was observed in the parking lot. | Confirmation of issue(s) resolution received 06/20/14. Email was sent to FedEx. Area is swept weekly. |
| <u>12/03/13</u> <u>1:00</u> | Oil Spill | FedEx – Cargo Gate | Used spill kit material observed. | Confirmation of issue(s) resolution received 06/20/14. Email was sent to FedEx. Tenant reviewed procedures for dealing with equipment leaks with employees. |
| <u>12/03/13</u> <u>1:25</u> | Sediment | Allied Aviation – Fueling Area | Accumulated sediment observed throughout operational area. | Confirmation of issue(s) resolution received 04/14/14. Email was sent to Allied Aviation. Area was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/03/13</u> <u>1:25</u> | Improper storage | Allied Aviation – Storage Area | Rusted material observed outdoors, not under cover. | Confirmation of issue(s) resolution received 06/26/14. Email was sent to Allied Aviation. Area was re-inspected on 06/26/14 and materials had been moved under cover. |
| <u>12/03/13</u> <u>1:25</u> | Improper storage | Allied Aviation – Storage Area | Paint cans observed outside of proper storage cabinet. | Confirmation of issue(s) resolution received 04/14/14. Email was sent to Allied. Paint material was in use by personnel on break, and was stored properly after use. |
| <u>12/03/13</u> <u>1:55</u> | Sediment | ARFF – Parking Lot | Accumulated sediment observed in parking lot. | Confirmation of issue(s) resolution received 06/20/14. Email was sent to ARFF. Area was reinspected on 6/20/14 and no sediment was observed. |
| <u>12/03/13</u> <u>1:55</u> | Improper storage | ARFF – ARFF Station | Materials observed outdoors without a cover or containment. | Confirmation of issue(s) resolution received 06/20/14. Email was sent to ARFF. Area was reinspected on 6/20/14 and no materials storage violations were observed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>12/03/13</u> 2:15 □ AM | Sediment | SDCRAA – Other (Bone Yard) | Accumulated sediment observed to be draining toward nearby storm drain. | Confirmation of issue(s) resolution received 01/22/14. A work order was submitted and |
| 2.15 AM ■ PM 12/03/13 | Improper storage | SDCRAA – Other | Unused electronics observed to be uncovered and stored | the area was cleaned. Confirmation of issue(s) |
| <u>2:15</u> AM | | (Bone Yard) | on ground. | A work order was submitted and |
| PM | - | | | items were raised off ground and covered. |
| <u>12/03/13</u> | Trash | SDCRAA – Other (Bone Yard) | Uncovered wastes observed. | Confirmation of issue(s) resolution received 01/22/14. |
| <u>2:15</u> | | | | A work order was submitted and the area was cleaned. |
| <u>12/03/13</u> | Sediment | SDCRAA – Other (Triturator) | Accumulated sediment was observed in the vicinity of the storm drain located at the blast fence. | Confirmation of issue(s) resolution received 01/22/14. |
| <u>2:15</u> | | | | A work order was submitted and the area was swept. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Darking Let | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/03/13</u> <u>2:15</u> | Water Improper storage | Parking Lot SDCRAA – Other (Generator Area) | Uncovered rusted stored material was observed. | Confirmation of issue(s) resolution received 01/22/14. A work order was submitted and the items were covered. |
| <u>12/03/13</u> <u>2:15</u> □ AM ■ PM | Impounded stormwater/ Improper Storage | SDCRAA – Other (Generator Area) | Accumulated stormwater was observed within improperly stored materials. | Confirmation of issue(s) resolution received 01/22/14. A work order was submitted and the area was covered to avoid future stormwater retention. |
| <u>12/03/13</u> <u>2:15</u> | Sediment/ Improper storage | SDCRAA – Trash/Recycling Area | Area behind compactor observed to have improperly stored material (wooden pallets and cones) and sediment. | Confirmation of issue(s) resolution received 01/07/14. A work order was submitted and the area was cleaned. |
| <u>12/03/13</u> 2:15 □ AM ■ PM | Water source | SDCRAA – Terminal 2 | Water main near Gate 26 was observed to be leaking continuously. | Confirmation of issue(s) resolution received 01/13/14. A work order was submitted and the water main was fixed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/03/13</u> <u>2:15</u> | Sediment | SDCRĂA – Parking Lot | Soil erosion was observed within landscaped areas of the Commuter Terminal and Terminal 1 parking lots. Sediment was observed to have discharged through a storm drain. | Confirmation of issue(s) resolution received 02/14/14. A work order was submitted and erosion control was performed. |
| <u>12/03/13</u> <u>2:15</u> □ AM ■ PM | Sediment | SDCRAA – Parking Lot | Storm drain within valet parking lot was observed to have inadequate BMP to capture sediment and debris. | Confirmation of issue(s) resolution received 01/07/14. A work order was submitted and the BMP was serviced. |
| <u>12/03/13</u> 2:34 □ AM ■ PM | Oil spill | UPS – North Ramp | Spilled oil was observed adjacent to IAS subcontractor's office. | Confirmation of issue(s) resolution received on 12/11/13. Email was sent to UPS. The IAS spill is not under the control of UPS. The spill was cleaned by IAS. |
| <u>12/03/13</u> <u>2:34</u> | Improper storage | UPS – Storage Area | Material stored behind IAS office is not properly covered or contained. | Confirmation of issue(s) resolution received on 12/11/13. Email was sent to UPS. The IAS area is not under the control of UPS. IAS cleaned area. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>12/03/13</u> | Trash | UPS – North Ramp | Trash can was overfilled. | Confirmation of issue(s) resolution received on 12/11/13. |
| <u>2:34</u> | | | | Email was sent to UPS. The trash can was emptied and all other FOD containers checked. Operations increased frequency of inspections to prevent future overfilling. |
| 12/03/13 | Oil spill | DHL – Cargo Gate | Equipment observed to be leaking and drip pan underneath equipment was over full. Spilled material was observed to enter adjacent storm drain. | Confirmation of issue(s) resolution received 12/11/13. |
| <u>2:45</u> | | | | Email was sent to DHL. DHL stated equipment was new and not leaking. New pan placed under old pan. |
| <u>12/03/13</u> | Improper storage | DHL – North Ramp | Unknown waste stored behind DHL offices. | Confirmation of issue(s) resolution received 12/11/13. |
| <u>2:45</u> | | | | Email was sent to DHL. DHL stated the material was new absorbent for spill cleanup. Material was properly labeled. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/03/13</u> | Oil spill | DHL – North Ramp | Leaking equipment observed. | Confirmation of issue(s) resolution received 01/11/14. |
| <u>2:45</u> | | | | Email was sent to DHL. Leaking equipment was found and fixed. |
| <u>12/03/13</u> | Oil spill | Landmark Aviation – Maintenance | Multiple pieces of equipment near maintenance shop leaking. | Confirmation of issue(s) resolution received 01/14/14. |
| 2:56 ☐ AM ■ PM | | | | Email was sent to Landmark. Leaking equipment was fixed or replaced. |
| <u>12/03/13</u> | Oil spill | Landmark Aviation – North Ramp | Multiple fuel trucks were observed to be leaking. | Confirmation of issue(s) resolution received 01/14/14. |
| <u>2:56</u> | | | | Email was sent to Landmark. Drip pans utilized under leaking vehicles. One vehicle replaced. |
| <u>12/03/13</u> | Improper storage | Landmark Aviation – Storage Area | Materials stored outdoors observed to be uncovered and on ground. | Confirmation of issue(s) resolution received 06/20/14. |
| 2:56 ☐ AM ■ PM | | | | Email was sent to Landmark. Materials were removed and area cleaned up. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|---|---|---|
| <u>12/03/13</u> <u>2:56</u> | Water Impounded stormwater/ Improper storage | Parking Lot Landmark Aviation – Storage Area | Accumulated storm water was observed in storage area. Stored materials observed to be uncovered. | Confirmation of issue(s) resolution received 06/20/14. Email was sent to Landmark. Area was re-inspected on 6/20 and uncovered materials were not observed. |
| <u>12/03/13</u> <u>2:56</u> | Improper storage | Landmark Aviation – Storage Area | Stored baggage carts were observed to have flat tires. | Confirmation of issue(s) resolution received 01/14/14. Email was sent to Landmark. Landmark disposed of baggage carts not being utilized. |
| <u>12/03/13</u> <u>4:16</u> | Trash | Southwest Airlines – Cargo Building | The front of the cargo building was observed to have accumulated trash. | Confirmation of issue(s) resolution received 01/16/14. Email was sent to Southwest Airlines. The area was cleaned and the area supervisor was asked to monitor the area. |
| <u>12/03/13</u> <u>4:16</u> | Improper Storage | Southwest Airlines – Maintenance | Within subtenant area (Executive Air) a cart was observed with a flat tire and rusted. | Confirmation of issue(s) resolution received 01/16/14. Email was sent to Southwest Airlines. Per Executive Air, cart was removed on 12/11/13. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>12/03/13</u> | Trash | Southwest Airlines – Gate | FOD was observed adjacent to the gate. | Confirmation of issue(s) resolution received on 01/16/14. |
| <u>4:16</u> | | | | Email was sent to Southwest Airlines. The area was cleaned. |
| <u>12/03/13</u> | Trash | Southwest Airlines – Gate | An uncovered box was observed to be used as a trash container. | Confirmation of issue(s) resolution received on 01/22/14. |
| <u>4:16</u> | | | | Email was sent to Southwest Airlines. The box was removed. |
| 12/04/13 | Trash | Flagship – Trash/Recycling Area | Accumulated trash originating from the Compactor Area was observed on the other side of the fence. | Confirmation of issue(s) resolution received 01/14/14. |
| 8:05 ■ AM □ PM | | | | Email was sent to Flagship. Area continues to be cleaned. |
| 12/04/13 | Trash | Flagship – Terminal 1 General | Trash bins were observed to be full in Terminal 1 General area. Flagship personnel were observed removing trash, although trash on the ground was not picked up. | Confirmation of issue(s) resolution received on 01/14/14. |
| 8:05 ■ AM □ PM | | | | Email was sent to Flagship. Employees are continually trained to pick up trash overflowing from trash bins. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---------------------------------|---|---|--|
| 12/04/13 | Water Trash | Parking Lot Flagship – Terminal 1 General | Dumpster was observed uncovered. | Confirmation of issue(s) resolution received 01/14/14. |
| <u>8:05</u> ■ AM □ PM | | i General | | Email was sent to Flagship. Employees are continually trained to close all dumpsters. |
| <u>12/04/13</u> | Trash | Flagship – Terminal 2 General | Accumulated trash was observed on Terminal 2 curbside near baggage claim door 4,5,6. | Confirmation of issue(s) resolution received 01/14/14. |
| 8:05 ■ AM □ PM | | | | Email was sent to Flagship. Cleaning of this area is ongoing. |
| <u>12/04/13</u> | Trash | Flagship – Parking Lot | Accumulated trash was observed along the landscaped area in Terminal 1 parking lot near T1W1 row. | Confirmation of issue(s) resolution received 01/14/14. |
| <u>8:05</u> ■ AM □ PM | | | | Email was sent to Flagship. The area was cleaned and continues to be monitored. |
| <u>12/04/13</u> | Trash | Alaska Airlines – Gate | Recycling container was observed to be full and overflowed recycling is being stored on the ground. | Confirmation of issue(s) resolution received 12/16/13. |
| <u>9:09</u> ■ AM □ PM | | | | Email was sent to Alaska Airlines. Area was cleaned and employees reminded to empty container on regular basis. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/04/13</u> | Trash | Alaska Airlines - Gate | Accumulated trash was observed between gates 15 and 16, behind DGS baggage carts. | Confirmation of issue(s) resolution received 12/16/13. |
| <u>9:09</u> ■ AM □ PM | | | | Email was sent to Alaska Airlines. Area was cleaned. |
| <u>12/04/13</u> | Hydraulic oil spill | American Airlines – Gate | Conveyer belt cart (for luggage) was observed to have a hydraulic leak. | Confirmation of issue(s) resolution received on 12/16/13. |
| <u>10:01</u> ■ AM □ PM | | | | Email was sent to American Airlines. The area was cleaned and belt removed from service for repair. |
| <u>12/04/13</u> | Trash | American Airlines – Gate | FOD was observed adjacent to gate 23. | Confirmation of issue(s) resolution received on 12/16/13. |
| <u>10:01</u> ■ AM □ PM | | | | Email was sent to American Airlines. The FOD was removed. |
| <u>12/04/13</u> | Trash | HMS Host – Terminal 2 | Dumpster near gate 24 was observed to be overfilled and uncovered. | Confirmation of issue(s) resolution received on 12/16/13. |
| <u>10:13</u> ■ AM □ PM | | | | Email was sent to HMS Host. The dumpster does not belong to HMS Host, but the area was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash | SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/04/13</u> | Water Trash | Parking Lot US Airways – Gate | FOD container and dumpster observed to be uncovered. | Confirmation of issue(s) resolution received on 04/11/14. |
| <u>10:24</u> ■ AM □ PM | | | | Email was sent to US Airways. FOD container and dumpster were covered. |
| <u>12/04/13</u> | Trash | US Airways – Gate | Dumpster observed to be uncovered. | Confirmation of issue(s) resolution received 04/11/14. |
| <u>10:24</u> ■ AM □ PM | | | | Email was sent to US Airways. Dumpster was covered. |
| <u>12/04/13</u> | Trash | US Airways – Cargo Building | Cigarette butts observed throughout parking lot in front of Cargo Building. | Confirmation of issue(s) resolution received 04/11/14. |
| <u>10:24</u> ▲ AM □ PM | | | | Email was sent to US Airways. Cargo staff were advised and area was cleaned. |
| <u>12/05/13</u> | Oil Spill | ASIG – Other | In ASIG operational area spilled oil was observed beneath parked fueling trucks as well as in empty parking spots. | Confirmation of issue(s) resolution received 02/12/14. |
| <u>7:47</u> ■ AM □ PM | | | | Email was sent to ASIG. ASIG employee coached on spill behavior. Area was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/05/13</u> <u>7:47</u> ■ AM □ PM | Improper storage | ASIG – Maintenance | Oil containers were observed outdoors on the ground within the maintenance areas. No personnel were observed to be actively using the oil supplies. | Confirmation of issue(s) resolution received 02/12/14. Email was sent to ASIG. GSE employee instructed to store containers not being utilized. |
| <u>12/05/13</u> <u>9:23</u> ▲ AM □ PM | Trash | Hawaiian Airlines – Gate | FOD container with trash was observed without a lid. | Confirmation of issue(s) resolution received 06/17/14. Email was sent to Hawaiian. Trash bin was permanently removed from area. |
| <u>12/05/13</u> <u>9:23</u> ■ AM □ PM | Improper storage | Hawaiian Airlines – Gate | Airplane tug was observed to have a flat tire. | Confirmation of issue(s) resolution received 06/17/14. Email was sent to Hawaiian. Airplane tug was removed from area and repaired. |
| <u>12/05/13</u> <u>9:23</u> ■ AM □ PM | Oil spill | Hawaiian Airlines – Gate | Conveyer belt equipment, belonging to Hawaiian's subcontractor, was observed to have spilled oil/fuel. | Confirmation of issue(s) resolution received 06/17/14. Email was sent to Hawaiian. Area cleaned and materials disposed of. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|---|
| <u>12/5/13</u> <u>10:08</u> ▲ AM □ PM | Oil spill | Delta Airlines – Gate | Spilled oil was observed between gates 48 and 49. | Confirmation of issue(s) resolution received 12/20/13. Email was sent to Delta Airlines. Ramp agents were briefed on procedure for spills. |
| <u>12/5/13</u> <u>10:23</u> | Trash | United Airlines – Cargo Building | Accumulated trash was observed at the front of the cargo building. | Confirmation of issue(s) resolution received 12/13/13. Email was sent to United Airlines. Debris was swept. |
| <u>12/5/13</u> <u>10:23</u> ■ AM □ PM | Trash | United Airlines – Gate | FOD and trash containers were observed without lids. Similar issue was observed at gates 39, 40 and 41. | Confirmation of issue(s) resolution received 12/15/13. Email was sent to United Airlines. FOD containers belonged to SDCRAA subcontractors. United has ordered new FOD buckets with lids. |
| <u>12/5/13</u> <u>10:23</u> ■ AM □ PM | Oil spill | United Airlines – Gate | Spilled oil was observed on the ramp at gate 45. | Confirmation of issue(s) resolution received on 12/06/13. Email was sent to United Airlines. Spill was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>12/5/13</u> <u>1:07</u> □ AM ■ PM | Trash | ACE – Storage area | Trash can within storage area was observed to be without a lid. | Confirmation of issue(s) resolution received on 1/24/14. Email was sent to ACE. Trash can was covered. |
| <u>12/5/13</u> <u>2:10</u> | Improper storage | Elite Line Services – Other | Location: North side storage area. Materials stored outdoors (ex. tires) should be covered and raised off the ground. Liquids should be stored with secondary containment. | Confirmation of issue(s) resolution received 1/3/14. Email was sent to ELS. The tires were removed by Ocean Blue. |
| <u>12/5/13</u> <u>2:10</u> □ AM ■ PM | Trash | Elite Line Services – Gate | Accumulated waste was observed under the baggage conveyer belts near gate 34. | Confirmation of issue(s) resolution received 12/18/13. Email was sent to ELS. Area was cleaned and is cleaned once per month by contract. |
| 03/17/14 1:51 □ AM ■ PM | Trash | American Eagle Airlines – Commuter Terminal General | FOD container uncovered. | Confirmation of issue(s) resolution received 04/11/14. Email was sent to American Eagle. American Eagle covered container. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|---|---|---|
| <u>03/17/14</u> <u>1:51</u> | Oil Spill | American Eagle Airlines – Commuter Terminal General | Vehicle possibly leaking. Fresh hydraulic fluid spill observed. | Confirmation of issue(s) resolution received 04/11/14. Email was sent to American Eagle. American Eagle monitored for leaking vehicles. |
| <u>03/17/14</u> <u>1:51</u> | Improper storage | American Eagle Airlines – Commuter Terminal General | Absorbent container observed to be stored uncovered and on its side. Uncovered bucket with unknown liquid (possibly wash water) also stored outside. | Confirmation of issue(s) resolution received 04/11/14. Email was sent to American Eagle. American Eagle covered absorbent. Bucket belongs to Delta. |
| <u>03/17/14</u> <u>1:51</u> □ AM ■ PM | Lavatory waste | American Eagle Airlines – Commuter Terminal General | Lavatory hose not drained. Uncontained lavatory fluids on top of truck. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to American Eagle. American Eagle drained hose and truck at dumping facility. |
| 03/17/14 1:51 □ AM ■ PM | Sediment | American Eagle Airlines – Commuter Terminal General | Trash and sediment accumulated along fence line. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to American Eagle. American Eagle will monitor FOD/sediment along fence line. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|---|
| 0 <u>3/17/14</u> <u>1:51</u> | Oil stain | American Eagle Airlines – Commuter Terminal General | Fresh stains and deposits from oil/fluid leak near commuter terminal parking area. In shared American Eagle/SkyWest area. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to American Eagle. American Eagle monitored for leaking equipment. |
| 03/17/14 2:00 □ AM ■ PM | Oil stain | Sky West Airlines – Commuter Terminal General | Fresh stains and deposits from oil/fluid leak near commuter terminal parking area. In shared American Eagle/SkyWest area. | Confirmation of issue(s) resolution received 04/14/14. Email was sent to Sky West. Sky West has no management on site. American Eagle/GSE responsible for monitoring equipment. |
| <u>03/17/14</u> <u>2:01</u> | Trash/sediment | SDCRAA – Commuter Terminal General | Trash and sediment accumulated adjacent to storm drain. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the area cleaned. |
| 03/17/14 2:01 □ AM ■ PM | Trash/sediment | SDCRAA – Fueling Area | Sediment accumulated near fueling area. | Confirmation of issue(s) resolution received 04/09/14. Submitted work request to FMD. Confirmation received that work had been completed on 04/9/14. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>03/17/14</u> <u>2:01</u> | Water source | SDCRĂA – Trash/Recycling Area | Wash water from compactor power washer observed accumulating outside berm. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and berm replaced. |
| 03/17/14 2:01 □ AM ■ PM | Water source | SDCRAA – Gate 26 | Leaking water pipe observed near Gate 26. Water being collected in bucket, which is overflowing. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the leak was mitigated. |
| 03/17/14 2:01 □ AM ■ PM | Trash | SDCRAA – North Ramp | Rubber removal debris spilling out of dumpster. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the area was cleaned. |
| 03/17/14 2:01 □ AM ■ PM | Trash/sediment | SDCRAA – North Ramp | Rubber disposal and sediment disposal lowboys in North Ramp area uncovered and/or spilling. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the area was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>03/17/14</u> <u>2:01</u> □ AM ■ PM | Sediment | SDCRAA – Storage Area | Sediment accumulated in north ramp storage area ("Boneyard") near parked sweeper, as well as along fenceline and under dumpster. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the area was cleaned. |
| <u>03/17/14</u> <u>2:01</u> | Lavatory waste | SDCRAA – Storage Area | Portable toilet stored in north ramp storage area ("Boneyard") is leaking fluid from the secondary containment. Fluid may be storm water, or could contain sanitary waste. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the area was cleaned. |
| 03/17/14 2:01 □ AM ■ PM | Trash | SDCRAA – Airside Other | Decomposed animal(rodent) and accumulated sediment found in generator area. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the area was cleaned. |
| 03/17/14 2:01 □ AM ■ PM | Improper storage | SDCRAA – Airside Other | Materials stored in generator area are uncovered. | Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the materials were covered. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash | SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 03/17/14 | Water Trash | Parking Lot SDCRAA – Airside Other | Trash can in generator area does not have lid. | Confirmation of issue(s) resolution received 05/23/14. |
| <u>2:01</u> | | | | A work order was submitted and the trash was covered. |
| 03/17/14 | Improper storage | SDCRAA – Airside Other | Gas cans stored adjacent to AST in generator area should be stored properly within secondary containment. | Confirmation of issue(s) resolution received 05/23/14. |
| <u>2:01</u> | | | | A work order was submitted and the gas cans were stored. |
| 03/17/14 | Trash | SDCRAA – Airside Other | Trash can in triturator area is uncovered. | Confirmation of issue(s) resolution received 05/23/14. |
| 2:01 ☐ AM ■ PM | | | | A work order was submitted and the trash was covered. |
| 03/17/14 | Trash | SDCRAA – Airside Other | Trash on floor and sink in triturator area. | Confirmation of issue(s) resolution received 04/09/14. |
| 2:01 | | | | A work order was submitted and the area was cleaned by Ocean Blue. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 03/17/14 2:01 | Lavatory waste | SDCRAA – Airside Other | Lavatory waste appears to be spilled on wall in triturator area. | Confirmation of issue(s) resolution received 04/09/14. |
| <u>2:01</u> | | | | A work order was submitted and the area was cleaned by Ocean Blue. |
| 03/17/14 | Sediment | SDCRAA – Airside Other | Sediment accumulated to depth of 2+ inches behind blast fence near storm drain adjacent to the triturator. | Confirmation of issue(s) resolution received 04/30/14. |
| <u>2:01</u> | | | | A work order was submitted and Ocean Blue cleaned the area and replaced the filter and gravel bags. |
| 03/17/14 | Trash/sediment | SDCRAA – Parking Lot | BMP inside storm drain in valet parking lot near Terminal 1/West Wing appears to be over 50% full. | Confirmation of issue(s) resolution received 05/23/14. |
| 2:01 □ AM ■ PM | | | | A work order was submitted and the area was cleaned. |
| 03/17/14 | Sediment | SDCRAA – Parking Lot | Sediment accumulation at entrance to west wing parking lot. | Confirmation of issue(s) resolution received 04/07/14. |
| 2:01 | | | | A work order was submitted and sweeping was completed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>03/17/14</u> | Sediment | Allied Aviation – Airside | Accumulated sediment was observed in satellite fueling area. | Confirmation of issue(s) resolution received on 4/11/14. |
| <u>2:04</u> | | | | Email was sent to Allied. Operators instructed on importance of clean area. |
| <u>03/17/14</u> | Trash | Allied Aviation – Airside | Uncovered FOD containers were observed in satellite fueling area. | Confirmation of issue(s) resolution received on 4/11/14. |
| 2:04 ☐ AM ■ PM | | | | Email was sent to Allied. FOD containers to be replaced by end of year. ASIG reminded to cover. |
| <u>03/17/14</u> | Improper storage | Allied Aviation – Fueling Area | Uncovered stored materials observed in main (North) fueling area. Some materials observed to be rusted. | Confirmation of issue(s) resolution received on 4/11/14. |
| <u>2:04</u> | | | | Email was sent to Allied. Materials were moved or covered. |
| 03/17/14 | Improper storage | Allied Aviation – Fueling Area | Stored materials in main (north) fueling area observed without secondary containment. | Confirmation of issue(s) resolution received on 4/11/14. |
| 2:04 | | | | Email was sent to Allied. One container was a spillkit. Other container moved under cover. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 03/17/14 | Water source | Allied Aviation – Fueling Area | Storage areas observed to be uncovered, with water accumulated in the secondary containment. | Confirmation of issue(s) resolution received on 4/11/14. |
| <u>2:04</u> | | | | Email was sent to Allied. Storm water was removed and disposed of correctly. |
| <u>03/17/14</u> | Sediment | Allied Aviation – Fueling Area | Accumulated sediment observed along fence line in main fuel storage area, leading to storm drain. | Confirmation of issue(s) resolution received on 4/11/14. |
| 2:04 □ AM ■ PM | | | | Email was sent to Allied. Sediment was removed. |
| <u>03/17/14</u> | Oil spill | Delta Airlines – Commuter Terminal General | Tug parked near CRJ9 observed to be leaking oil/hydraulic fluid | Confirmation of issue(s) resolution received on 3/28/14. |
| <u>2:15</u> | | | | Email was sent to Delta Airlines. Area was cleaned and tug removed for repairs. |
| 03/17/14 | Trash | Delta Airlines – Commuter Terminal General | Refuse bag observed to be stored on tug parked near CRJ9. Bag leaking unknown fluids. | Confirmation of issue(s) resolution received on 3/28/14. |
| 2:15 | | | | Email was sent to Delta Airlines. Tug was removed for repairs and employees briefed to properly dispose of trash. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 03/17/14 2:15 □ AM | Trash | Delta Airlines – Cargo Building | Trash can in cargo area observed to be uncovered. | Confirmation of issue(s) resolution received on 3/28/14. Email was sent to Delta Airlines. |
| ■ PM 03/17/14 | Oil spill/absorbent | Delta Airlines – | Used absorbent material observed under Delta vehicle. | Trash can and lid were replaced Confirmation of issue(s) |
| 03/11/14 | On spin/absorbent | Cargo Building | Osed absorbent material observed under Deita venicle. | resolution received on 3/28/14. |
| <u>2:15</u> | | | | Email was sent to Delta Airlines. Absorbent was cleaned and drip pan placed under vehicles. |
| 03/17/14 | Trash | Flagship – Trash/Recycling Area | Cans and other recyclables observed to be stored outside compactors. | Confirmation of issue(s) resolution received on 4/3/14. |
| <u>2:20</u> | | | | Email was sent to Flagship. Area was cleaned, although bags in question belong to airlines. Flagship will monitor for improper disposal. |
| 03/17/14 | Trash | Flagship – Terminal 2 General | Terminal 2 waiting area and Terminal 2 ashtrays waste observed to be overflowing. | Confirmation of issue(s) resolution received on 4/3/14. |
| 2:20 □ AM ■ PM | | | | Email was sent to Flagship. This is an ongoing issue and trashcans are monitored regularly |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD | SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---------------------------------|--|---|--|
| 03/17/14 | Water Animal Waste | Parking Lot Flagship – Terminal 2 General | Animal waste observed in animal relief area in Terminal 2. | Confirmation of issue(s) resolution received on 4/3/14. |
| <u>2:20</u> | | | | Email was sent to Flagship. This is an ongoing issue. Flagship monitors area regularly, and bags are provided for passenger use. |
| <u>03/17/14</u> | Trash | Flagship – Parking Lot | Dumpsters near west wing offices observed to be overflowing and cannot close. | Confirmation of issue(s) resolution received on 4/3/14. |
| <u>2:20</u> | | | | Email was sent to Flagship. Flagship reports overflowing dumpsters to Republic for disposal. |
| 03/17/14 | Trash | Southwest Airlines – Terminal 1 General | Waste containers observed to be overflowing near Gate 1A. | Confirmation of issue(s) resolution received on 4/28/14. |
| <u>2:21</u> | | | | Email was sent to Southwest Airlines. Ramp Supervisors will ensure all trash cans are emptied daily. |
| 03/17/14 | Lavatory waste | Southwest Airlines – Terminal 1 General | Lavatory truck near gate 1A observed to have hose not fully drained. | Confirmation of issue(s) resolution received on 5/29/14. |
| 2:21 □ AM ■ PM | | | | Email was sent to Southwest Airlines. Lavatory truck cleaned and stowed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>03/17/14</u> 2:21 □ AM | Improper storage | Southwest Airlines – Cargo Building | Materials observed to be stored outside without cover. | Confirmation of issue(s) resolution received on 5/29/14. Email was sent to Southwest |
| <u>03/17/14</u> PM | Oil spill | Southwest Airlines – Cargo Building | Vehicles for Southwest subtenant Executive Air parked near cargo area observed to be leaking fluids. | Airlines. Area has been cleaned. Confirmation of issue(s) resolution received on 06/19/14. |
| <u>2:21</u> | | | | Email was sent to Southwest Airlines. Recent inspections show no indication of leaking equipment. |
| <u>03/17/14</u> | Improper storage | Southwest Airlines – Cargo Building | Fueling container stored outside behind fence adjacent to compactors. | Confirmation of issue(s) resolution received on 06/19/14. |
| <u>2:21</u> | | | | Email was sent to Southwest. Secondary containment was ordered for all deicing fluid. |
| 03/17/14 | Sediment | Southwest Airlines – Cargo Building | Sediment accumulation around storm drains in Southwest cargo loading bay (front of house). | Confirmation of issue(s) resolution received on 06/19/14. |
| 2:21 □ AM ■ PM | | | | Email was sent to Southwest Airlines. Cargo leader advised of expectation in area. Recent inspections show the area is clean. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD | SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---------------------------------|--|---|--|
| <u>03/17/14</u> <u>3:19</u> | Water Lavatory fluid | Parking Lot Hawaiian Airlines – Terminal 2 | Hose on APS lavatory equipment observed to not be fully drained. Cart parked in shared area near Gate 22. Unclear if lavatory truck used to service Volaris or Hawaiian; neither aircraft on site at time of inspection. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to Hawaiian Airlines. Equipment has been appropriately maintained. |
| <u>03/17/14</u> <u>3:23</u> | Improper storage | American Airlines – Cargo Building | Potentially hazardous materials (batteries) observed to be stored outside without cover. | Confirmation of issue(s) resolution received on 4/14/14. Email was sent to American Airlines. Batteries were removed and the area cleaned. |
| 0 <u>3/17/14</u> 3:23 □ AM ■ PM | Trash | American Airlines – Cargo Building | Trash accumulated in multiple locations in cargo area. | Confirmation of issue(s) resolution received on 4/14/14. Email was sent to American Airlines. The area was cleaned and debris removed. |
| 03/17/14 3:23 □ AM ■ PM | Oil spill | American Airlines – Cargo Building | Multiple leaking vehicles observed in cargo area. Absorbent used, but not swept after use. | Confirmation of issue(s) resolution received on 4/14/14. Email was sent to American Airlines. Absorbent was swept up and disposed of. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 03/17/14 | Oil spill | American Airlines – Terminal 2 | Leaking vehicle observed to be parked between gates 31 and 32. | Confirmation of issue(s) resolution received on 06/17/14. |
| <u>3:23</u> | <u></u> | | | Email was sent to American Airlines. A bolt on the vehicle was tightened and leak repaired. |
| <u>03/18/14</u> | Oil spill | ASIG – Fueling Area | Spilled fuel from fueling nozzle observed in ASIG area near cargo building. | Confirmation of issue(s) resolution received on 06/27/14. |
| <u>9:36</u> ■ AM □ PM | | | | Email was sent to ASIG. The fueling nozzle was replaced and spills cleaned. |
| <u>03/18/14</u> | Trash | ASIG – Fueling Area | Trash can observed to be uncovered. | Confirmation of issue(s) resolution received on 06/27/14. |
| <u>9:36</u> ■ AM □ PM | | | | Email was sent to ASIG. All waste containers covered or moved indoors. |
| 03/18/14 | Oil spill | ASIG – Fueling Area | Fresh oil stains observed in ASIG parking area. | Confirmation of issue(s) resolution received on 06/27/14. |
| 9:36 ■ AM □ PM | | | | Email was sent to ASIG. Leak found in truck steering column. Leak fixed and stains cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>03/18/14</u> <u>10:33</u> ■ AM □ PM | Oil stains | Alaska Airlines – Gate 14 | Fresh oil stains observed at Gate 14 following aircraft departure. Tugs observed in proximity to oil. | Confirmation of issue(s) resolution received on 03/26/14. Email was sent to Alaska Airlines. GSE to complete inspection of all ground equipment and repair leaks. |
| 0 <u>3/18/14</u> 10:33 ■ AM □ PM | Oil spill | Alaska Airlines – Gate 20 | Significant oil leaks/stains from tug observed at Gate 20. JAL flight was observed parked at gate 20 immediately prior to inspection, however operational area is shared between multiple airlines. Origin of leak not observed. | Confirmation of issue(s) resolution received on 3/26/14. Email was sent to Alaska Airlines. GSE to complete inspection of all ground equipment and repair leaks. |
| 03/18/14 11:00 ■ AM □ PM | Oil stain | Air Canada/Jazz Airlines – Gate 20 | Recent oil stains observed at Gate 20. JAL flight was observed parked at gate 20 immediately prior to inspection, however operational area is shared between multiple airlines. Origin of leak not observed. | Confirmation of issue(s) resolution received on 06/04/14. Email was sent to Air Canada. Area inspected on 05/20/14 and no leaks or fresh stains observed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|--|---|
| <u>03/18/14</u> <u>11:00</u> ■ AM □ PM | Lavatory waste | Volaris Airlines – Terminal 2 | APS lavatory vehicle hoses not drained. Vehicle parked in shared location near Gate 22. It is unclear whether the vehicle serviced Volaris or Hawaiian, as neither aircraft was onsite at the time of the inspection. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to Volaris. Hose has been replaced and waste is in tank as required. |
| 03/18/14 11:00 ■ AM □ PM | Oil stain | Volaris Airlines – Gate 20 | Recent oil stains observed at Gate 20. JAL flight was observed parked at gate 20 immediately prior to inspection, however operational area is shared between multiple airlines. Origin of leak not observed. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to Volaris. Equipment was inspected to ensure no fluid leaks. |
| 03/18/14 11:38 ■ AM □ PM | Trash | United Airlines – Terminal 2 | Trash containers uncovered near gates 44 and 38. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to United. A new trashcan with a lid was ordered and in the meantime the trash can was emptied. |
| 03/18/14 11:38 ■ AM □ PM | Oil spill | United Airlines – Terminal 2 | Vehicle parked near gate 42 leaking fluids. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to United. The vehicle was inspected for leaks. Drip pans may be purchased. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|---|
| <u>03/18/14</u> <u>11:38</u> ■ AM □ PM | Improper storage | United Airlines – Terminal 2 | Materials observed to be stored under stairwell near gate 38 without secondary containment. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to United. Materials belong to an Airport contractor, not United. United moved items under cover. |
| <u>03/18/14</u> <u>11:38</u> ■ AM □ PM | Trash | United Airlines – Terminal 2 | Blue liquid observed on ground in United operations area between gates 44 and 45. Liquid was near but not adjacent to parked lavatory vehicle; there was no obvious spill from lavatory vehicle. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to United. The area was cleaned and employees briefed on BMPs. |
| 03/18/14 11:56 ■ AM □ PM | Trash | US Airways – Terminal 2 | FOD bucket and dumpster observed to be uncovered. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to US. Bucket and dumpster were covered. |
| 03/18/14 11:56 ■ AM □ PM | Improper storage | US Airways – Terminal 2 | Potentially significant materials observed stored outside of materials container near gate 34. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to US. Materials were moved. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 03/18/14 12:55 □ AM ■ PM | Oil stain | West Jet – Gate 20 | Recent oil stains observed at Gate 20. JAL flight was observed parked at gate 20 immediately prior to inspection, however operational area is shared between multiple airlines. Origin of leak not observed. | Confirmation of issue(s) resolution received on 06/04/14. Email was sent to West Jet. Area inspected on 05/20/14 and no leaks or fresh stains observed. |
| 0 <u>3/18/14</u> 1:00 □ AM ■ PM | Trash | British Airways Airlines – Gate 20 | Trash accumulated behind ATS vehicles near gate 20. Unclear if trash originated with JAL or British Airways operations. ATS is subtenant to both airlines. | Confirmation of issue(s) resolution received on 06/04/14. Email was sent to British Airways. Area inspected on 5/20/14 and no trash or debris were present. |
| 03/18/14 1:00 □ AM ■ PM | Oil stain | British Airways Airlines – Gate 20 | Recent oil stains observed at Gate 20. JAL flight was observed parked at gate 20 immediately prior to inspection, however operational area is shared between multiple airlines. Origin of leak not observed. | Confirmation of issue(s) resolution received on 06/04/14. Email was sent to British Airways. Area inspected on 05/20/14 and no leaks or fresh stains observed. |
| 03/18/14 1:00 □ AM ■ PM | Trash | Japan Airlines – Gate 20 | Trash accumulated behind ATS vehicles near gate 20. Unclear if trash originated with JAL or British Airways operations. ATS is subtenant to both airlines. | Confirmation of issue(s) resolution received on 04/28/14. Email was sent to JAL. The vehicles were relocated and area was cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 03/18/14 <u>1:00</u> | Oil Stain | Japan Airlines – Gate 20 | Recent oil stains observed at Gate 20. JAL flight was observed parked at gate 20 immediately prior to inspection, however operational area is shared between multiple airlines. Origin of leak not observed. | Confirmation of issue(s) resolution received on 04/28/14. Email was sent to JAL. Ground equipment was inspected for leaks. |
| <u>03/19/14</u> <u>10:32</u> ▲ AM □ PM | Sediment | Elite Line Services – Storage Area | Accumulated sediment observed in ELS storage area in North ramp near Boneyard. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to ELS. Area was swept. |
| 03/19/14 10:32 ■ AM □ PM | Trash | Elite Line Services – Storage Area | Waste stored improperly in ELS storage area. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to ELS. All waste was disposed of. |
| 03/19/14 10:32 ■ AM □ PM | Improper storage | Elite Line Services – Storage Area | Stored materials observed to be uncovered in north ramp ELS storage area. Some tarps used, but others are disintegrating. Tires uncovered and deteriorating. Metal materials uncovered. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to JAL. Materials covered or disposed of. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>03/19/14</u> <u>10:32</u> ■ AM □ PM | Improper storage | Elite Line Services – Storage Area | Vehicles stored in north ramp ELS storage area appear inoperable. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to JAL. Disposal of first vehicle completed, disposal of second vehicle initiated. |
| 03/19/14 12:30 □ AM ■ PM | Trash | ARFF – ARFF Station | Accumulated trash observed along fence line. | Confirmation of issue(s) resolution received on 06/20/14. A work order was submitted and trash removed. |
| <u>03/19/14</u> <u>12:30</u> | Improper storage | ARFF – ARFF Station | Tires observed to be stored without cover. | Confirmation of issue(s) resolution received on 06/20/14. A work order was submitted and tires removed by Ocean Blue. |
| 03/24/14 12:00 □ AM ■ PM | Improper storage | Landmark Aviation – North Ramp | Improper cover utilized in used oil storage area. Tarp observed to be torn and does not provide protection from storm water contact. | Confirmation of issue(s) resolution received on 06/17/14. Email was sent to Landmark. Cover was replaced. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 03/24/14 | Improper storage | Landmark Aviation – North Ramp | Hazardous waste container (used absorbents pads) observed not sealed or under cover. | Confirmation of issue(s) resolution received on 06/17/14. |
| <u>12:00</u> | | | | Email was sent to Landmark. Containment (larger, sealing drum) provided. |
| 03/24/14 | Trash | Landmark Aviation – North Ramp | Waste container and used absorbent container observed to be uncovered. | Confirmation of issue(s) resolution received on 06/17/14. |
| <u>12:00</u> | | | | Email was sent to Landmark. Absorbent disposed of and waste container placed under cover. |
| 03/24/14 | Sediment | Landmark Aviation – North Ramp | Sediment and trash accumulations observed behind and in front of maintenance building. | Confirmation of issue(s) resolution received on 06/17/14. |
| <u>12:00</u> | | | | Email was sent to Landmark. Area is swept weekly. |
| 03/24/14 | Oil spill | Landmark Aviation – North Ramp | Oil/fluid leaks observed from multiple vehicles. | Confirmation of issue(s) resolution received on 06/17/14. |
| 12:00 □ AM ■ PM | | | | Email was sent to Landmark. Vehicle was removed from service and drip pans placed under trucks. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|---|
| 03/24/14 <u>1:15</u> □ AM ■ PM | Trash | Bradford – North Ramp | Minor trash/debris observed in Bradford loading dock area. | Confirmation of issue(s) resolution received on 03/24/14. Issue was resolved on site. Area swept. |
| <u>03/24/14</u> <u>1:15</u> | Oil stain | Bradford – North Ramp | Spotting from vehicle oil/fluid leaks observed in front-of- house loading dock area. Bradford vehicles do not operate in this area; leaks likely originating from off-site vendors. | Confirmation of issue(s) resolution received on 04/11/14. Email was sent to Bradford. A spill kit was posted in the loading area and staff was trained in its use. |
| 03/24/14 <u>1:30</u> | Trash | FedEx – North Ramp | Waste containers observed to be uncovered in package sorting area and vehicle maintenance area. | Confirmation of issue(s) resolution received on 6/25/14. Email was sent to FedEx. All containers were covered and new containers were ordered. |
| 03/24/14 1:30 □ AM ■ PM | Oil stain | FedEx – North Ramp | Fresh oil stains observed in office and maintenance area. No associated vehicles could be determined. | Confirmation of issue(s) resolution received on 6/25/14. Email was sent to FedEx. Oil stains have been cleaned, and use of new drip pans has been implemented to avoid further leaks. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| <u>03/24/14</u> | Improper Storage | FedEx – North Ramp | Outdoor storage area near FedEx vehicle maintenance area observed to be uncovered. | Confirmation of issue(s) resolution received on 6/25/14. |
| <u>1:30</u> | | | | Email was sent to FedEx. The area has been cleared of stored materials. |
| 03/24/14 | Oil spill | UPS – North Ramp | At least two leaking vehicles observed in UPS operational area. | Confirmation of issue(s) resolution received on 04/11/14. |
| <u>1:50</u> | | | | Email was sent to UPS. The spills were cleaned with dry methods and drip pans were used under the leaking vehicles. |
| 03/24/14 | Oil Spill | DHL – North Ramp | Leaking vehicles and oil/fluid stains observed in DHL operational area. | Confirmation of issue(s) resolution received on 04/03/14. |
| 2:10 □ AM ■ PM | | | | Email was sent to DHL. The area was cleaned and a pan placed under the leaking maintenance truck. |
| 03/24/14 | Trash/sediment | ACE – Parking Lot | Trash and sediment observed around Terminal 2 parking lot trash bins. | Confirmation of issue(s) resolution received on 04/14/14. |
| 2:30 □ AM ■ PM | | | | Email was sent to ACE. Dumpster areas cleaned and debris removed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|---|
| 03/24/14 2:30 □ AM ■ PM | Sediment | ACE – Parking Lot | Accumulated sediment and plant debris observed near and in storm drains in Terminal 1 parking lot. | Confirmation of issue(s) resolution received on 04/14/14. Email was sent to ACE. Leaves, sediment and debris have been |
| <u>03/24/14</u> <u>2:30</u> | Oil stain | ACE – Parking Lot | Large oil spotting observed in east end of Terminal 1 parking lot. | removed. Confirmation of issue(s) resolution received on 04/14/14. Email was sent to ACE. Absorbent material has been used to clean oil spot. |
| 05/19/14 7:30 ■ AM □ PM | Sediment | Bradford – Other | Small amounts of sediment, associated with high winds were observed, one day after thorough sweeping. | Confirmation of issue(s) resolution received on 05/19/14. Issue resolved on site. Tenant provided documentation showing that sweeping was performed the day prior. |
| 05/19/14 10:00 ■ AM □ PM | Trash | US Airways – Gate | FOD container was observed without a lid. Tenant representative removed bucket from gate and indicated that new FOD containers have been ordered (FOD bag with velcro). | Confirmation of issue(s) resolution received on 05/19/14. Issue was resolved on site. Tenant representative removed bucket from gate and indicated that new FOD containers have been ordered. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|---|
| 05/19/14 10:00 ■ AM □ PM | Oil stain | US Airways – Gate | Fresh oil spots were observed at gate. | Confirmation of issue(s) resolution received on 06/10/14. Email was sent to US Airways. Spots were cleaned and future spots to be reported to ASIG as needed for cleanup. |
| 05/19/14 10:32 ■ AM □ PM | Oil stain | American Airlines – Gate | Spilled oil, with accumulated sediment, was observed under equipment. During inspection ATS was notified of issue and identifed that issue would be resolved later that day. | Confirmation of issue(s) resolution received on 06/10/14. During inspection ATS was notified of issue and identified that issue would be resolved later that day. Spill oil was cleaned. |
| 05/19/14 11:50 ■ AM □ PM | Trash | Hawaiian Airlines – Gate | Accumulated FOD was observed in Gate area. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to Hawaiian. Area has been cleaned and FOD has been properly disposed. |
| 05/19/14 11:50 ■ AM □ PM | Improper storage | Hawaiian Airlines – Gate | Tug was observed to have a flat tire. If equipment is not operational and no longer in use it is recommended that this be disposed of. If it requires maintenance, then maintenance should be performed. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to Hawaiian. The tug has been repaired and is in proper operational condition. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|--|---|
| <u>05/19/14</u> <u>11:50</u> ■ AM □ PM | Oil spill | Hawaiian Airlines – Terminal 2 | Hawaiian vehicle was observed to be leaking. Clean spilled oil and properly dispose of. Maintain vehicle in good operating condition. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to Hawaiian. Spill has been properly cleaned, and vehicle confirmed to be in good operating condition. |
| <u>05/19/14</u> <u>12:23</u> | Oil spill/Sediment | American Eagle Airlines – Commuter Terminal | Spill kit was observed without a cover and stored incorrectly. Clean and properly dispose. American Eagle representative highlighted that this issue would be addressed after the inspection. | Confirmation of issue(s) resolution received on 06/10/14. Email was sent to American Eagle. Spill kit was removed and disposed of. |
| <u>05/20/14</u> <u>9:33</u> ■ AM □ PM | Trash | West Jet Airlines – Gate | FOD container was observed to be full. | Confirmation of issue(s) resolution received on 05/20/14. Issue was resolved on site. FOD container was emptied by ramp personnel. |
| 05/20/14 10:39 ■ AM □ PM | Oil stains | Virgin America Airlines – Gate | Oil stains were observed at the gate. | Confirmation of issue(s) resolution received on 06/17/14. Email was sent to Virgin America. Area was cleaned and the leaking equipment sent to repair facility and fixed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|---|
| 05/20/14 11:49 ■ AM □ PM | Oil stains | Spirit Airlines – Gate | Oil stains were observed at the gate. | Confirmation of issue(s) resolution received on 05/29/14. Email was sent to Spirit. GAT (subtenant) instructed to immediately clean oil stains. |
| <u>05/20/14</u> <u>12:31</u> | Oil stains | Frontier Airlines – Gate | Oil stains were observed at the gate. | Confirmation of issue(s) resolution received on 06/10/14. Email was sent to Frontier. Vehicles were inspected for leaks and none were found. Stains were cleaned. |
| 05/20/14 2:38 □ AM ■ PM | Trash/sediment | Southwest Airlines – Cargo Gate | Accumulated debris from pallets was observed at the loading dock. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to Southwest. Debris has been removed and staff has been instructed to monitor and clean as necessary. |
| 05/20/14 2:38 □ AM ■ PM | Improper storage | Southwest Airlines – Maintenance | Equipment belonging to subcontrator (PAM) appears to be inoperable and not functioning. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to Southwest. Equipment has been removed. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 05/20/14 | Trash/sediment | Southwest Airlines – Gate | Accumulated trash and debris was observed in the area. | Confirmation of issue(s) resolution received on 05/20/14. |
| <u>2:38</u> | | | | Issue resolved on site. Southwest representative instructed crew members to address immediately. |
| 05/20/14 | Trash | Alaska Airlines – Gate | Trash container was observed without a cover. | Confirmation of issue(s) resolution received on 06/10/14. |
| <u>3:37</u> | | | | Email was sent to Alaska. Tenant reviewed requirements with ramp vendor to ensure all trash containers have lids. |
| 05/20/14 | Sediment | Alaska Airlines – Terminal 2 | Sediment observed adjacent to luggage area in T2. | Confirmation of issue(s) resolution received on 06/10/14. |
| <u>3:37</u> | | | | Email was sent to Alaska. Tenant reviewed requirements with vendor to ensure area is cleaned nightly. |
| 05/21/14 | Oil stain | Delta Airlines – Gate | Hydraulic oil spots were observed on the ramp. | Confirmation of issue(s) resolution received on 06/04/14. |
| 9:16 | | | | Email was sent to Delta. The leadership team was briefed on importance of cleaning spills. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|---|
| 05/21/14 9:16 ■ AM □ PM | Oil spill | Delta Airlines – Gate | ASIG operations were observed within gate area. Leaking oil from the truck was observed after the truck had left the area. | Confirmation of issue(s) resolution received on 05/21/14. Issue was resolved on site. Staff informed by Delta representative to inspect fueling operations. |
| <u>05/21/14</u> <u>9:16</u> ■ AM □ PM | Trash | Delta Airlines – Terminal 2 | Accumulated trash was observed behind the ice machine. | Confirmation of issue(s) resolution received on 06/04/14. Email was sent to Delta. Area was swept immediately and will continue to be cleaned as needed. |
| 05/21/14 3:00 □ AM ■ PM | Trash | Jet Blue Airlines – Gate | Minor accumulated trash was observed behind the ice chest. | Confirmation of issue(s) resolution received on 05/21/14. Issue was resolved on site. Area cleaned. |
| 05/22/14 7:30 ■ AM □ PM | Improper storage/Sediment | Allied Aviation – North Ramp | Equipment does not appear to be operational and is not properly covered. Additional sweeping should be performed in the area. | Confirmation of issue(s) resolution received on 06/27/14. Email was sent to Allied. Area was re-inspected on 06/27/14 and equipment had been covered and area swept. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 05/22/14 7:30 ▲ AM | Improper storage | Allied Aviation – North Ramp | Equipment was not observed under complete cover. | Confirmation of issue(s) resolution received on.06/27/14. Email was sent to Allied. Area |
| PM | Improper storage | ARFF – ARFF Station | Foam material was observed to be stored outside without proper cover or secondary containment. | was re-inspected on 06/27/14 and equipment had been covered. Confirmation of issue(s) resolution received on 06/20/14. |
| 8:46 ■ AM □ PM | | | | Email was sent to ARFF. Drums were in active use for monthly foam testing. |
| <u>05/22/14</u> | Trash | ARFF – ARFF Station | Accumulated FOD was observed on the fence, adjacent to the storage area. | Confirmation of issue(s) resolution received on 06/20/14. |
| 8:46 | | | | Email was sent to ARFF. Area was cleaned. |
| 05/22/14 | Improper storage | ARFF – ARFF Station | Tires stored outdoors were observed to be on a pallet but uncovered. | Confirmation of issue(s) resolution received on 06/20/14. |
| 8:46 | | | | Email was sent to ARFF. Area was cleaned per email from Ocean Blue. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD | SOURCE AND LOCATION OF UNAUTHORIZED NSWD | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED |
|---|-----------------------------------|--|---|--|
| | EXAMPLE: Vehicle Wash Water | EXAMPLE: NW Corner of Parking Lot | | NSWD ELIMINATION DATE. |
| <u>05/22/14</u> | Fuel spill | Landmark Aviation – North Ramp | Fuel truck hose cap was observed to be broken causing the equipment to leak. | Confirmation of issue(s) resolution received on 06/10/14. |
| <u>9:30</u> ■ AM □ PM | | | | Email was sent to Landmark. Leak originated from seal in meter and was repaired. |
| <u>05/22/14</u> | Sediment | Landmark Aviation – North Ramp | Accumulated sediment was observed adjacent to maintenance shop. | Confirmation of issue(s) resolution received on 06/10/14. |
| 9:30 AM | | | | Email was sent to Landmark. Area is cleaned weekly. |
| <u>05/22/14</u> | Oil stain | Landmark Aviation – North Ramp | Spilled oil has absorbed into the asphalt. | Confirmation of issue(s) resolution received on 06/10/14 |
| <u>9:30</u> ■ AM □ PM | | | | Email was sent to Landmark. Area was cleaned and spill clean up procedures reviewed. |
| 05/22/14 | Lavatory waste | DHL – North Ramp | Equipment was observed to be leaking. Clean and properly dispose of leaked material. Inspect and maintain equipment frequently. | Confirmation of issue(s) resolution received on 6/24/14. |
| 11:30 | | | | Email was sent to DHL. All equipment was moved and the area cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| <u>05/22/14</u> <u>11:30</u> ■ AM □ PM | Trash/sediment | DHL – North Ramp | Accumulated sediment was observed behind DHL trailer. | Confirmation of issue(s) resolution received on 6/24/14. Email was sent to DHL. The area has been cleaned and area is monitored daily for issues. |
| <u>05/23/14</u> <u>11:29</u> ■ AM □ PM | Trash | FedEx – North Ramp | Accumulated trash and debris was observed adjacent to the hazardous material storage area, beneath and behind the trailer, and between Conex units. | Confirmation of issue(s) resolution received on 06/20/14 Email was sent to FedEx. All trash/debris removed and area cleaned weekly. |
| 05/23/14 11:29 □ PM | Improper storage | FedEx – North Ramp | Inoperable equipment was observed on-site. | Confirmation of issue(s) resolution received on 05/23/14. Representative indicated that Corporate offices have authorized the disposal of larger equipment. Currently a recycling company is being identified. |
| 05/23/14 11:29 ■ AM □ PM | Improper storage | FedEx – North Ramp | Weathered supplies/equipment observed to be staged outside. | Confirmation of issue(s) resolution received on 06/20/14 Email was sent to FedEx. Representative indicated that unneeded supplies would be disposed of immediately. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 05/23/14 <u>1:00</u> | Trash/sediment | ACE – Parking Lot | Accumulated trash and debris was observed in the Long Term Parking Lot. | Confirmation of issue(s) resolution received on 06/10/14 Email was sent to ACE. Areas in long term lot have been cleaned. |
| 05/29/14 8:00 ■ AM □ PM | Water source | SDCRAA – North Ramp | Hose bibs with active hoses were observed without posted signs. UPS disconnected their hose and removed after inspection. | Work order submitted 06/10/14. Signs will be placed adjacent to active hose bibs. |
| 05/29/14 8:00 ■ AM □ PM | None (Missing BMP) | SDCRAA – Storage Area | Generator Area. Stenciling is no longer legible. | Work order submitted 06/10/14. Storm drains will be re-stenciled. |
| 05/29/14 8:00 ■ AM □ PM | Sediment | SDCRAA – Other | Airport wide. Multiple storm drains (T2, Triturator, Compactor) were observed to have accumulated debris. | Work order submitted 06/10/14. Storm drains will be cleaned. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 05/29/14 8:00 ■ AM □ PM | Improper storage | SDCRAA – Storage Area | Generator Area. Tire on pull tog was observed to be deflated. | Work order submitted 06/10/14. Equipment will be fixed or disposed of. |
| 05/29/14 8:00 ■ AM □ PM | Improper storage | SDCRAA – Storage Area | Bone Yard. Unused equipment is stored without proper cover. | Work order submitted 06/10/14. Equipment will be covered or disposed of. |
| 05/29/14 8:00 ■ AM □ PM | Improper storage | SDCRAA – Storage Area | Bone Yard. Batteries were not observed to be stored under cover or within secondary containment. | Work order submitted 06/10/14. Batteries will be properly covered and contained or recycled. |
| 05/29/14 8:00 ■ AM □ PM | Improper storage | SDCRAA – Storage Area | Bone Yard. Non- hazardous waste was observed to be stored in this area without cover. Additionally, labels did not have an accumulation start date. | Work order submitted 06/10/14. Waste will be covered and labeled. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 05/29/14 8:00 ■ AM □ PM | Water source | SDCRAA – Terminal 2 | Dewatering system near Gate 26, was observed to be leaking more than usual during other Tenant inspections. During inspection the area was dry. | Work order submitted 06/10/14. Maintenance will continue to monitor dewatering system. |
| 05/29/14 8:00 ■ AM | Trash | SDCRAA – Other | Triturator. Improper storage of trash was observed in the area. | Work order submitted 06/10/14. Area will be cleaned. |
| 05/29/14 8:00 ■ AM □ PM | Improper storage | SDCRAA – Other | Tenant operational areas. Old equipment was observed to be stored within ACE and Fedex operational areas. | Work order submitted 06/10/14. Equipment will be moved and covered or disposed of. |
| 05/29/14 8:00 ■ AM □ PM | Improper storage | SDCRAA – Trash/Recycling Area | Behind Compactor Dumpsters, Cargo Building/Terminal 1. Unused equipment was observed stored adjacent to a storm drain. | Work order submitted 06/10/14. Equipment will be moved and covered or disposed of. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 05/29/14 8:00 ■ AM | Sediment/Trash | SDCRAA – Trash/Recycling Area | Compactor Dumpsters, Cargo Building/Terminal 1. Area below berm is observed to have accumulated sediment and trash. Clean and properly dispose. | Work order submitted 06/10/14. Area will be cleaned. |
| 05/29/14 8:30 ■ AM □ PM | Sediment | Elite Line Services – Other | Terminal 1 Baggage Area. Area beneath conveyer belt was observed to have accumulated waste. | Confirmation of issue(s) resolution received on 6/25/14. Email was sent to ELS. Area has been cleaned. |
| 05/29/14 8:30 ■ AM □ PM | Improper storage. | Elite Line Services – North Ramp | Inoperable equipment was observed. Representative indicated that this equipment will be removed from airport operations within the next 3 months. | Confirmation of issue(s) resolution received on 05/29/14. Resolved on site. Representative indicated that this equipment will be removed from airport operations within the next 3 months. |
| 05/29/14 8:30 ■ AM □ PM | Improper storage. | Elite Line Services – North Ramp | Tires were observed on pallets - need to be covered. | Confirmation of issue(s) resolution received on 6/25/14. Email was sent to ELS. Tires were removed as of 6/17/14. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|---|
| 0 <u>5/30/14</u> AM ■ □PM | Oil spill | ASIG - Gate | ASIG operations (truck 20) were observed on 5/21/14 within gate 48. Leaking oil from the truck was observed after the truck had left the area. | Confirmation of issue(s) resolution received on 05/30/14. ASIG was informed of the leaks. ASIG representative indicated that truck was maintained after this issue was identified. |
| 05/30/14 AM ■ □PM | Improper storage | ASIG - Maintenance | 55 gallon drums of dry asphalt were observed to be stored outdoors without cover or labeled. | Confirmation of issue(s) resolution received on 06/27/14 Email was sent to ASIG. The drums were moved inside a container and labeled. |
| 05/30/14 AM ■ □PM | Trash | ASIG – Maintenance | Trash receptacle was observed to be without cover. | Confirmation of issue(s) resolution received on 06/27/14. Email was sent to ASIG. All trash receptacles were moved inside or covered. |
| 05/30/14 8:14 AM ■ □ PM | Oil Stains | ASIG – Other | Parking Area. Continuous spotting was observed on concrete area. Fresh spots should be cleaned with absorbent to avoid future staining. It is recommended that power washing is performed in the area, taking appropriate measures to protect any storm drains in the area. | Confirmation of issue(s) resolution received on 06/27/14. Email was sent to ASIG. Fresh oil spots were cleaned and the area will be monitored frequently to avoid future staining. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|---|--|---|--|
| 05/30/14 | Trash | Flagship – Terminal 2 | Recycling was observed to be overfilled near compactor area. Similar issue was observed in T2W near gate 40. | Confirmation of issue(s) resolution received on 5/30/14. |
| 8:16 ■ AM □ PM | | | | The issue was resolved on site. Representative contacted staff to clean area immediately. |
| 05/30/14 | Improper storage | United Airlines – Cargo Building | Propane gas can and cage was stored incorrectly. | Confirmation of issue(s) resolution received on 5/30/14. |
| 8:16 | | | | The issue was resolved on site. Issue was communicated to staff, who began corrective action. |
| 05/30/14 | Improper storage | United Airlines – Cargo Building | Representative indicated that equipment was inoperable, and instructed maintenance staff to arrange for the disposal of unneeded equipment. An estimated date or time of | Confirmation of issue(s) resolution received on 06/27/14. |
| 8:16 AM | | | disposal was not indicated. | Email was sent to United. United contacted a metals recycler to coordinate pick up of old equipment. Pick up is pending. |
| 05/30/14 | Trash/sediment | United Airlines – Cargo Building | Accumulated sediment, trash, and debris was observed. | Confirmation of issue(s) resolution received on 06/27/14. |
| 8:16 AM | | | | Email was sent to United. United agreed to sweep after materials were picked up by metals recycler. |

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water | SOURCE AND LOCATION OF UNAUTHORIZED NSWD <u>EXAMPLE:</u> NW Corner of Parking Lot | DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc. | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
|---|--|--|---|--|
| 05/30/14 8:16 ■ AM □ PM | Oil stain | United Airlines – Gate | Residue of spilled oil was observed at gate, although absorbent material had been used to collect spilled material. Due to continuous spotting in the area, the concrete has absorbed oil waste. | Confirmation of issue(s) resolution received on 06/27/14. Email was sent to United. Ramp personnel and mechanics were re-briefed on cleaning. Tenant contacted United HQ for more guidance on cleaning procedures. |

2013-2014 ANNUAL REPORT FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
 - Visual observations must be conducted during the first hour of discharge
- at all discharge locations. Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
 Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

| | Drainage Location Description | Observation Time | Were Pollutants Observed |
|--|-------------------------------|------------------|--------------------------|
| Observation Date: October 9, 2013 | *C-B01-1a | 5:25 P.M. | □ YES ■ NO |
| Observer's Name: Lijun Xu, Anna Wernet, & | C-B03-2 | 5:35 P.M. | ■ YES □ NO |
| | C-B05-4 | 5:45 P.M | □ YES ■ NO |
| Inter- Consultant | *C-B06-5a | 5:10 P.M. | □ YES ■ NO |
| | C-B07-6 | 6:02 P.M. | ■ YES □ NO |
| lime Discharge Began: 10/09/13 5:03 PIM | C-B07-7 | 5:03 P.M. | VES DNO |
| Observation Lime: 5:03 PM - 6:02 PM | C-B08-8 | 5:12 P.M. | □ YES ■ NO |
| Were Pollutants Observed: Yes (If yes, complete reverse side) | *C-B12-9a | 5:18 P.M. | ■ YES □ NO |
| | *C-B09-10b | 5:31 P.M. | ■ YES □ NO |
| | | | |
| | Drainage Location Description | Observation Time | Were Pollutants Observed |
| Observation Date: November, 2013 | *C-B01-1a | : A.M./P.M. | □ YES □ NO |
| Observer's Name; Annie Martin | C-B03-2 | : A.M./P.M. | |
| Title: Senior Environmental Specjalist | C-B05-4 | : A.M./P.M. | |
| Signature: 2 Signa | *C-B06-5a | : A.M./P.M. | D YES D NO |
| Time Discharge Began: None – no discharge during | C-B07-6 | : A.M./P.M. | □ YES □ NO |
| aaylignt nours | C-B07-7 | M (D M /D M | |

Form 4 – page 1 of 9

N N N N

□ YES

A.M./P.M. A.M./P.M. A.M./P.M. A.M./P.M.

C-B07-7 C-B08-8 .. | ..

*C-B12-9a *C-B09-10b

Were Pollutants Observed: NA (If yes, complete reverse side)

Observation Time: NA

| 2013-2014 | FORM 4-MONTHLY VISUAL OBSERVATIONS OF |
|---------------|---------------------------------------|
| ANNUAL REPORT | STORM WATER DISCHARGES |

•

| DESCRIBE ANY REVISED OR NEW BMPS AND THEIR DATE OF IMPI EMENTATION | | NA | NA | NA | NA | NA | |
|--|--|---|---|---|---|--|---------------------------|
| IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS | | No source identified. | No source identified. | Source of sheen appeared to be upstream cargo and maintenance area. | No source identified. | No source identified. | |
| DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS | Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. | Discharge was brown and had a light oily sheen. | No flow observed at this station but foam was observed inside the manhole. | Discharge was brown and had an oily sheen. | Discharge contained suspended solids. | Discharge was brown and contained suspended solids. | |
| DRAINAGE AREA DESCRIPTION | | C-B03-2 | C-B07-6 | C-B07-7 | *C-B12-9a (alternate site used due to construction) | *C-B09-10b (alternate site used due to construction) | |
| DATE/TIME OF OBSERVATION | (From Heverse Sue) | <u>10/09/13</u> <u>5:35</u> □ AM ■ PM | <u>10/09/13</u> 6:02 | <u>10/09/13</u> <u>5:03</u> | <u>10/09/13</u> <u>5:18</u> □ AM ■ PM | <u>10/09/13</u> <u>5:31</u> | <u>NA / /</u> am PM |

Form 4 – page 2 of 9

SIDE B

2013-2014 ANNUAL REPORT FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

Were Pollutants Observed ON D ON D ON M ON D ON D ON D ON D ON M ON [] ■ YES YES YES γES ■ YES YES □ YES □ YES ■ YES Observation Time Р.М. P.M. P.M. Р.М. P.M. P.M. Р.М. Ъ P.M. 2:11 2:32 2:13 2:30 2:07 1:59 2:20 2:00 2:15 Drainage Location Description *C-B09-10b *C-B01-1a C-B03-2 *C-B06-5a *C-B12-9a C-B05-4 C-B07-7 C-B08-8 C-B07-6 Observers Name: Anna Wernet & Alex Chin Time Discharge Began: 12/29/12 1:59 PM Observation Date: December 7, 2013 Observation Time: 1:59 PM - 2:32 PM Were Pollutants Observed: Yes (If yes, complete reverse side) 0250 Title: AMEC, Consult Signature:

| | Drainage Location Description | Observation Time | Were Pollutants Observed | S Observed |
|--|-------------------------------|------------------|--------------------------|------------|
| Observation Date: January, 2013 | *C-B01-1a | : A.M./P.M. | D YES | ON 🗆 |
| Observer's Name: Annie Martin | C-B03-2 | : A.M./P.M. | □ YES | |
| Title: Senior Environmental specialist | C-B05-4 | : A.M./P.M. | C YES | ON 🗆 |
| Signature: | *C-B06-5a | : A.M./P.M. | D YES | ON 🗆 |
| agan: Nor | C-B07-6 | : A.M./P.M. | □ YES | |
| daylight hours | C-B07-7 | : A.M./P.M. | □ YES | |
| Observation 1 ime: NA | C-B08-8 | . A.M./P.M. | | |
| Were Pollutants Observed: NA (If yes, complete reverse side | *C-B12-9a | : A.M./P.M. | □ YES | ON 🗆 |
| | *C-B09-10b | . A.M./P.M. | □ YES | |
| | | | | |

Form 4 – page 3 of 9

SIDE A

DESCRIBE ANY REVISED OR NEW BMPS AND THEIR DATE OF IMPLEMENTATION ¥ ٩V NA ¥Ζ ¥ ₹ IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS separator in upstream area. Smell came from oil-water No source identified. Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. Discharge contained suspended solids. Discharge contained suspended solids. DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Discharge was brown and associated with a rotten egg smell. Discharge was brown. Discharge was brown. Discharge was brown. (alternate site used due to construction) (alternate site used due to construction) DRAINAGE AREA DESCRIPTION *C-B01-1a *C-B06-5a C-B07-6 C-B03-2 C-B05-4 C-B07-7 DATE/TIME OF OBSERVATION (From Reverse Side) ЫΜ AM AM AM AΜ Ы МЧ AM AM МЧ ЫΜ Ы 12/7/13 12/7/13 12/7/13 12/7/13 12/7/13 12/7/13 2:13 1:59 2:00 2:20 2:07 2:11

SIDE B

. # .

DESCRIBE ANY REVISED OR NEW BMPS AND THEIR DATE OF IMPLEMENTATION ΝA IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS No source identified. Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Discharge was brown and contained suspended solids. *C-B09-10b (alternate site used due to construction) DRAINAGE AREA DESCRIPTION DATE/TIME OF OBSERVATION (From Reverse Side) AM AM Ы AM РМ AM AM РМ РМ ЫΜ AM ЫΜ 12/7/13 2:15 AN NA / NA NA AN • • • • • •| • • ••

Form 4 – page 5 of 9

5 1

SIDE B

2013 – 2014 ANNUAL REPORT FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

| | Drainage Location Description | Observation Time | Were Pollutants Observ | s Observ |
|--|-------------------------------|------------------|------------------------|----------|
| Observation Date: February 6,2014 | *C-B01-1a | : A.M. / PM | □ YES | ON 🗆 |
| Observer's Name: Alex Chin | C-B03-2 | : A.M. / PM | D YES | ON 🗆 |
| Title: AMEC, Consultant | C-B05-4 | : A.M. / PM | □ YES | |
| Signature: | *C-B06-5a | : A.M. / PM | D YES | ON 🗆 |
| Time Discharge Began: 02/06/14 5:30 PM | C-B07-6 | 5:45 P.M. | ■ YES | ON 🗆 |
| Observation Time: 5:30 PM – 5:45 PM | C-B07-7 | 5:30 P.M. | T YES | ON 🗆 |
| Were Pollutants Observed: Yes | C-B08-8 | : A.M. / PM | □ YES | |
| (If yes, complete reverse side | *C-B12-9a | : A.M. / PM | D YES | ON 🗆 |
| | *C-B09-10b | 5;35 P.M. | □ YES | ON ■ |
| | | | | |
| | Drainage Location Description | Observation Time | Were Pollutants Observ | s Observ |
| Observation Date: March 2014 | *C-B01-1a | : A.M. / PM | □ YES | ON 🗆 |
| Observer's Name: Annie Martin | C-B03-2 | : A.M. / PM | □ YES | ON 🗆 |

8 ON 🗆 ON D ON D ON D ON D ON □ ON D □ YES A.M. / PM . . • • •• ••• ••• *C-B09-10b *C-B12-9a *C-B06-5a C-B07-7 C-B07-6 C-B05-4 C-B08-8 Signature: Title: Senior Environmental Specialist Were Pollutants Observed: NA (If yes, complete reverse side Observation Time: NA

SIDE A

B

| | | STORIN WALER DISCRANGES | NGES | |
|---|------------------------------|--|--|--|
| DATE/TIME OF OBSERVATION | DRAINAGE AREA DESCRIPTION | DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS | IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS | DESCRIBE ANY REVISED OR NEW BMPS AND THEIR DATE OF IMPI FMFNTATION |
| (From Heverse Side) | | Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. | | |
| <u>02/06/14</u> <u>5:45</u> □ AM ■ PM | C-B07-6 | Discharge was brown and associated with a faint petroleum smell. | No source identified. | NA |
| 02/06/14 5:30 a AM PM | C-B07-7 | Discharge was brown and clear. | No source identified. | NA |
| NA / / | | | | |
| <u>NA / /</u> | | | | |
| <u>NA / / </u> | | | | • |
| <u>NA / / </u> | | | | |

2013 – 2014 ANNUAL REPORT FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

Form 4 – page 7 of 9

ANNUAL REPORT FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES 2013 - 2014

| | Drainage Location Description | Observation Time | Were Pollutants Observed |
|--|-------------------------------|------------------|--------------------------|
| Observation Date: April 2, 2014 | *C-B01-1a | 7:24 A.M. | THE TO NO |
| Observer's Name: Lijun Xu & Mariamawit Yirsalign | C-B03-2 | 6:45 A.M. | ■ YES □ NO |
| Title: AMEC, Cogsultant | C-B05-4 | 7:20 A.M. | ■ YES □ NO |
| Signature: 172 - Hudden | *C-B06-5a | 6:35 A.M. | □ YES ■ NO |
| Time Discharge Began: 04/02/2014 5:20 AM | C-B07-6 | 6:58 A.M. | 🗆 YES 🔳 NO |
| | C-B07-7 | 7:10 A.M. | ■ YES □ NO |
| Observation Time: 5:20 AM – 7:24 AM | Ċ-B08-8 | 5:30 A.M. | □ YES ■ NO |
| Were Pollutants Observed: NA (If yes, complete reverse side | *C-B12-9a | 5:20 A.M. | □ YES ■ NO |
| | · *C-B09-10b | 5:55 A.M. | ■ YES □ NO |
| | | | |
| | Drainage Location Description | Observation Time | Were Pollutants Observed |
| Observation Date: May 2014 | *C-B01-1a | : A.M. / PM | |
| Observers Name: Annie Martin | C-B03-2 | : A.M. / PM | |

ON D ON [] ON 🗆 ON D ON 🗆 ON [] D YES D YES D YES D YES □ YES □ YES TES A.M. / PM • • . . • • . . *C-B09-10b *C-B12-9a *C-B06-5a C-B07-6 C-B07-7 C-B08-8 C-B05-4 uninature: LLV もも KWARAN Time Discharge Began: None - no discharge during daylight hours Title: Senior Environmental Specialist Were Pollutants Observed: NA (If yes, complete reverse side) Observation Time: NA

Form 4 – page 8 of 9

SIDE A

r

2013 – 2014 ANNUAL REPORT

FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

| DATE/TIME OF OBSERVATION | DRAINAGE AREA DESCRIPTION | DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS | IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS | DESCRIBE ANY REVISED OR NEW BMPS AND THEIR DATE OF |
|--|---|--|--|---|
| (From Reverse Side) | | Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. | | |
| <u>04/02/14</u> 7:24 ■ AM □ PM | *C-B01-1 <i>a</i> (alternate site used due to construction) | Discharge is brown and cloudy. | No source identified. | NA |
| <u>04/02/14</u> <u>6:45</u> a AM D PM | C-B03-2 | Discharge is cloudy. | No source identified. | AM |
| <u>04/02/14</u> 7:20 = AM D PM | C-B05-4 | Discharge is brown and cloudy. | No source identified. | M |
| <u>04/02/14</u> 7:10 = AM DM | C-B07-7 | Discharge is brown and cloudy. | No source identified. | AM |
| <u>04/02/14</u> <u>5:55</u> = AM PM | *C-B09-10b (alternate site used due to construction) | Discharge is brown and cloudy. Floatables (leaves and grass) observed. | No source identified. | NA |
| NA / / a MM PM | | | | |

SIDE B

Form 4 – page 9 of 9

2013-2014 Annual Report FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| TITLE: AMEC, Consultant | |
|------------------------------------|--|
| INSPECTOR NAME: Anna Wernet | |

| | Y うしう |
|-----|------------|
| TUS | SIGNATURE: |

| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) ACE | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? Yes | If yes to either question, complete the next two columns of this | DESCRIBE DEFICIENCIES IN BMPS OR BMP IMPLEMENTATION Accumulated trash/sediment in parking lot. | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION ACE was notified of the deficiency by e-mail. |
|--|---|--|---|---|
| (05/23/14) | ARE ADDITIONAL/REVISED BMPs NECESSARY? No | form. | | Confirmation that all deficiencies were abated was received on 06/10/14. |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, complete the | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION |
| Alaska Airlines | Yes | next two columns of this | Trash container observed without lid. | Alaska Airlines was notified of the deficiency |
| (05/20/14) | ARE ADDITIONAL/REVISED BMPs NECESSARY? | form. | | by e-mail. Confirmation that all deficiencies were abated |
| | No | | | was received on 06/10/14. |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in vour SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, complete the | DESCRIBE DEFICIENCIES IN BMPS OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION |
| | Yes | next two columns of this | Storage of items without cover/containment. | Allied was notified of the deficiency by e-mail. |
| Allied Aviation (05/22/14) | ARE ADDITIONAL/REVISED BMPs NECESSARY? | form. | Improper storage of inoperable equipment. | A plan to abate all deficiencies was discussed with tenant via telephone on 6/24/14. |
| | No | | | The area was re-inspected on 6/27/14 and was found to be acceptable. Electronic |
| | | | | confirmation that all deficiencies were abated will be completed prior to next quarterly inspection. |

Page 1 of 8

EVALUATION DATE: May 2014

INSPECTOR NAME: Anna Wernet

TITLE: AMEC, Consultant



| DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION American Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/10/14. | DESCRIBE ADDITIONAL/REVISED BMPS OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION American Eagle Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/10/14. | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION ARFF was notified of the deficiency by work order. Confirmation that all deficiencies were abated was received on 06/20/14. |
|---|---|--|
| DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION Oil leaks observed from equipment. | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION Absorbent material was being using improperly. | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION Accumulated trash observed in operational area. Storage of items without cover/containment. Improper storage of tires. |
| If yes to either | If yes to either | If yes to either |
| question, | question, | question, |
| complete the | complete the | complete the |
| next two | next two | next two |
| columns of this | columns of this | columns of this |
| form. | form. | form. |
| HAVE ANY BMPs NOT BEEN FULLY | HAVE ANY BMPs NOT BEEN FULLY | HAVE ANY BMPs NOT BEEN FULLY |
| IMPLEMENTED? | IMPLEMENTED? | IMPLEMENTED? |
| Yes | Yes | Yes |
| ARE ADDITIONAL/REVISED BMPs | ARE ADDITIONAL/REVISED BMPs | ARE ADDITIONAL/REVISED BMPs |
| NG | NECESSARY? | NECESSARY? |
| NO | No | No |
| POTENTIAL POLLUTANT | POTENTIAL POLLUTANT | POTENTIAL POLLUTANT |
| SOURCE/INDUSTRIAL ACTIVITY AREA | SOURCE/INDUSTRIAL ACTIVITY AREA | SOURCE/INDUSTRIAL ACTIVITY AREA |
| (as identified in your SWPP)) | (as identified in your SWPPP) | (as identified in your SWPPP) |
| American Airlines | American Eagle Airlines | ARFF |
| (05/19/14) | (05/19/14) | (05/22/14) |

Page 2 of 8

÷

EVALUATION DATE: May 2014

| ernet | |
|--------|--|
| Anna W | |
| AME: / | |
| CTOR N | |
| INSPE | |

TITLE: AMEC, Consultant



| | ASIG was notified of the deficiency by e-mail. ASIG was notified of the deficiency by e-mail. thout lid. Confirmation that all deficiencies were abated was received on 6/27/14. | , , , , , , , , , , , , , , , , , | Confirmation that all deficiencies were abated was received on 05/19/14. | OR BMP DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION icles. Delta Airlines was notified of the deficiency | by e-mail. |
|--|---|---|--|---|--|
| ther DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION the • Oil leaks observed from vehicles. | f this Improper storage of waste asphalt. Trash container observed without lid. Staining from fuel/oil leaks observed in operation area. | ther DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION the Accumulated sediment observed. f this | | ther DESCRIBE DEFICIENCIES IN BMPS OR BMP IMPLEMENTATION the Oil leaks observed from vehicles. • Oil leaks observed from vehicles. | operation area. Accumulated trash observed. |
| If yes to either question, complete the next two | form. | If yes to either question, complete the next two columns of this | | If yes to either question, complete the next two columns of this | form. |
| HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? Yes | ARE ADDITIONAL/REVISED BMPs NECESSARY? No | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? Yes | ARE ADDITIONAL/REVISED BMPs NECESSARY? No | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? Yes | ARE ADDITIONAL/REVISED BMPs NECESSARY? No |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | ASIG (05/30/14) | POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | Bradtord (05/19/14) | POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | Delta Airlines (05/21/14) |

.

,

2013-2014 Annual Report FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: May 2014

INSPECTOR NAME: Anna Wernet

TITLE: AMEC, Consultant



| S OR BMP DESCRIBE ADDITIONAL/REVISED BMPS OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION | icles. DHL was notified of the deficiency by e-mail. | Confirmation that all deficiencies were abated was received on 06/24/14. | s OR BMP DESCRIBE ADDITIONAL/REVISED BMPs OR | CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION | ELS was noti | | Confirmation that all deficiencies were abated was received on 06/25/14. | | S OR BMP DESCRIBE ADDITIONAL/REVISED BMPS OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION | bserved. | red cad cainment. confirmation that all deficiencies were abated was received on 06/20/14. |
|---|--|--|--|--|---|-----------------------------|--|---|---|---|--|
| DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | Oil leaks observed from vehicles. Accumulated sediment observed. | | DESCRIBE DEFICIENCIES IN BMPs OR BMP | IMPLEMENTATION | Accumulated sediment observed. Immroner storage of inonerable | equipment. | Improper storage of tires. | | DESCRIBE DEFICIENCIES IN BMPS OR BMP IMPLEMENTATION | Accumulated trash/debris observed. Improper storage of inoperable | equipment. Outdoor storage of weathered supplies without cover/containment. |
| If yes to either question, complete the | next two columns of this | form. | If yes to either | question, complete the | next two columns of this | form. | | | If yes to either question, complete the | next two columns of this | form. |
| HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | Yes | ARE ADDITIONAL/REVISED BMPs NECESSARY? | No HAVE ANY BMPS NOT BEEN FULLY | IMPLEMENTED? | Yes | ARE ADDITIONAL/REVISED BMPs | NECESSARY? | Q | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | Yes | ARE ADDITIONAL/REVISED BMPs NECESSARY? No |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | | | POTENTIAL POLLUTANT | SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in vour SWPPP) | | (05/29/14) | | | POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in vour SWPPP) | | (05/23/14) |

Page 4 of 8

A REAL PROPERTY AND A REAL PROPERTY.

2013-2014 Annual Report FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: May 2014

INSPECTOR NAME: Anna Wernet

TITLE: AMEC, Consultant



| POTENTIAL POLLUTANT | HAVE ANY BMPs NOT BEEN FULLY | If yes to either | DESCRIBE DEFICIENCIES IN BMPs OR BMP | DESCRIBE ADDITIONAL/REVISED BMPs OR |
|---------------------------------|------------------------------|------------------|--|--|
| SOURCE/INDUSTRIAL ACTIVITY AREA | | question, - | IMPLEMENTATION | CORRECTIVE ACTIONS AND THEIR DATE(S) |
| (as identified in your SWPPP) | | complete the | | OF IMPLEMENTATION |
| | Yes | next two | Recycling containers observed | |
| | | columns of this | overflowing. | Flagship was notified of the deficiency on site. |
| Flagship | ARE ADDITIONAL/REVISED BMPs | form. | | |
| (05/30/14) | NECESSARY? | | | Confirmation that all deficiencies were abated |
| | - N | | | was received on 06/04/14. |
| POTENTIAL POLLUTANT | HAVE ANY BMPs NOT BEEN FULLY | If yes to either | DESCRIBE DEFICIENCIES IN BMPs OR BMP | DESCRIBE ADDITIONAL/REVISED BMPs OR |
| SOURCE/INDUSTRIAL ACTIVITY AREA | iMPLEMENTED? | question, | IMPLEMENTATION | CORRECTIVE ACTIONS AND THEIR DATE(S) |
| (as identified in your SWPPP) | | complete the | | OF IMPLEMENTATION |
| | Yes | next two | Oil staining observed at gate area. | |
| Frontier | | columns of this | | Frontier Airlines was notified of the deficiency |
| (05/20/14) | ARE ADDITIONAL/REVISED BMPs | form. | | by e-mail. |
| | NECESSARY? | | | |
| | | | | Confirmation that all deficiencies were abated |
| | No | | | was received on 06/10/14. |
| | | 4 - | | |
| POTENTIAL POLLUTANT | HAVE ANY BMPs NOT BEEN FULLY | If yes to either | DESCRIBE DEFICIENCIES IN BMPs OR BMP | DESCRIBE ADDITIONAL/REVISED BMPs OR |
| SOURCE/INDUSTRIAL ACTIVITY AREA | IMPLEMENTED? | question, | IMPLEMENTATION | CORRECTIVE ACTIONS AND THEIR DATE(S) |
| (as identified in your SWPPP) | | complete the | | OF IMPLEMENTATION |
| | Yes | next two | Accumulated trash/debris observed. | |
| | | columns of this | Improper storage of inoperable | Hawaiian was notified of the deficiency by e- |
| Hawaiian Airlines | ARE ADDITIONAL/REVISED BMPs | form. | equipment. | mail. |
| (05/19/14) | NECESSARY? | ħ | Fluid leaks observed from equipment. | |
| | | | | Confirmation that all deficiencies were abated |
| | ON | | | Was received on vo/ 24/ 14. |
| | | | | |

÷

| 2013-2014 Annual Report | FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION | POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS |
|-------------------------|--|---|
|-------------------------|--|---|

EVALUATION DATE: May 2014

INSPECTOR NAME: Anna Wernet TITLE: AMEC, Consultant



| POTENTIAL POLLUTANT | HAVE ANY BMPS NOT BEEN FULLY | If yes to either | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPI EMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) |
|--|--|-------------------------------|--|--|
| (as identified in your SWPPP) | | complete the | | OF IMPLEMENTATION |
| | Yes | next two columns of this | Accumulated trash observed. | Jet Blue was notified of the deficiency during |
| Jet Blue | ARE ADDITIONAL/REVISED BMPs | form. | | inspection. |
| (4T/T7/C0) | No No | | | Confirmation that all deficiencies were abated was received on 05/21/14. |
| | | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, | DESCRIBE DEFICIENCIES IN BMPS OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) |
| (as identified in your SWPPP) | ; | complete the | | OF IMPLEMENTATION |
| Landmark Aviation | Yes | next two columns of this | Fluid leaks observed from equipment. Accumulated sediment observed. | Landmark was notified of the deficiency by e- |
| (05/22/14) | ARE ADDITIONAL/REVISED BMPs | form. | Oil staining observed. | mail. |
| | NO | | | Confirmation that all deficiencies were abated was received on 06/10/14. |
| | | | | |
| POTENTIAL POLLUTANT | HAVE ANY BMPs NOT BEEN FULLY | If yes to either | DESCRIBE DEFICIENCIES IN BMPS OR BMP | DESCRIBE ADDITIONAL/REVISED BMPs OR |
| SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in vour SWPPP) | IMPLEMENTED | question, complete the | | OCKRECTIVE ACTIONS AND THEIR DATE(3) OF IMPLEMENTATION |
| | Yes | next two | No signs posted on active hose bibs. | |
| SDCRAA | | columns of this | Stenciling on storm drains illegible. | SDCRAA was notified of the deficiency by |
| (05/29/14) | ARE ADDITIONAL/REVISED BMPs | form. | Accumulated debris in storm drains. | work order. |
| | NECESSARY? | | Improper storage of inoperable | |
| | | | equipment. | WOIK requests were subjituted UII 0/ 10/ 14. Abstement is ongoing and will be completed |
| | ON . | | Storage of items without | prior to next guarterly inspection. |
| | | | Improver storage of notantially | - |
| | | | hazardous materials (batteries) | |
| | | | Non-hazardous waste stored without | |
| | | | cover. | |
| | | | Improper storage of trash. | |
| | | | Accumulated sediment observed. | |

Page **6** of **8**

2013-2014 Annual Report FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS



| | | | | (|
|---|---|---|---|--|
| | | | | |
| | INSPECTOR NAME: Anna Wernet | a Wernet | TITLE: AMEC, Consultant SIGNATURE: | IRE: CARONA |
| POTENTIAL POLLUTANT HAV SOURCE/INDUSTRIAL ACTIVITY AREA IMP (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? Voc | If yes to either question, complete the | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION • Accumulated debris observed | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION |
| Southwest Airlines | | columns of this | Improper storage of inoperable | Southwest was notified of the deficiency by e- |
| (05/20/14) ARE NEC | ARE ADDITIONAL/REVISED BMPs NECESSARY? | form. | equipment. Accumulated trash observed. | mail. |
| S | | | | Confirmation that all deficiencies were abated was received on 06/24/14. |
| | | | | |
| | | | | |
| POTENTIAL POLLUTANT HAV SOURCE/INDUSTRIAL ACTIVITY AREA IMP | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) |
| (as identified in your SWPPP) | | complete the | Oil staining was observed within the | OF IMPLEMENTATION |
| | | columns of this | gate area. | Spirit was notified of the deficiency by e-mail. |
| Spirit ARE (05/20/14) NEC | ARE ADDITIONAL/REVISED BMPs NECESSARY? | form. | | Confirmation that all deficiencies were abated was received on 05/29/14. |
| NO | | | | |
| POTENTIAL POLLUTANT HAV SOURCE/INDUSTRIAL ACTIVITY AREA IMP | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, complete the | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPS OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION |
| (as identified in you owned) Yes | | next two | Storage of items without | |
| es es | ADE ADDITIONIAL (DEVICED DAMD- | columns of this | cover/containment. | United was notified of the deficiency by work |
| (U3/3U/14) AKE NC | ARE AUDITIONAL/ REVISED DIVITS | | equípment. | |
| | | | Accumulated sediment, trash, and debris observed | Confirmation that all deficiencies were abated was received on 06/27/14. |
| 2 | | | Oil staining observed within gate area. | |

Page 7 of 8

۲

| 2013-2014 Annual Report | POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS |
|-------------------------|---|
|-------------------------|---|

INSPECTOR NAME: Anna Wernet

TITLE: AMEC, Consultant



| | - | | |) |
|---|--|---|--|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, complete the | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION |
| US Airways | Yes | next two columns of this | Trash container observed without lid. Oil spots observed at gate. | US Airways was notified of the deficiency by |
| (05/19/14) | ARE ADDITIONAL/REVISED BMPs NECESSARY? | form. | | e-mail. |
| | QN | | | Confirmation that all deficiencies were abated was received on 06/10/14. |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in vour SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, complete the | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION |
| Virgin America | Yes | next two columns of this | Oil stains observed at gate area. | Virgin was notified of the deficiency by e-mail. |
| (05/20/14) | ARE ADDITIONAL/REVISED BMPs NECESSARY? | form. | | Confirmation that all deficiencies were abated was received on 06/17/14. |
| | NO | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | If yes to either question, | DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION | DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) |
| (as identified in your SWPPP) | Yes | complete the next two | Trash container observed to be | OF IMPLEMENTATION |
| West Jet | | columns of this | overfilled. | West Jet was notified of the deficiency in |
| (05/20/14) | ARE ADDITIONAL/KEVISED BIMPS NECESSARY? | -10LM- | | הפוסטון ממוזווט נוופ וווסאפרנוטון. |
| | No | | | Confirmation that all deficiencies were abated was received on 05/27/14. |
| | | | | |

i.

Attachment 4

Analytical Data for Storm Events

First Storm Event



21 October 2013

Amanda Archenhold AMEC 9177 Sky Park Court Suite A San Diego, CA 92123

RE:San Diego Airport

Work Order No.: 1310144

Attached are the results of the analyses for samples received by the laboratory on 10/09/13 19:25.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

d R. Fryth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



| AMEC | Project: San Diego Airport | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 10/21/13 10:27 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| C-B08-8-100913 | 1310144-01 | Liquid | 10/09/13 17:12 | 10/09/13 19:25 |
| C-B09-10B-100913 | 1310144-02 | Liquid | 10/09/13 17:31 | 10/09/13 19:25 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC | Project: San Diego Airport | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 10/21/13 10:27 |

Microbiological Parameters by APHA Standard Methods

| | | Sierra A | nalytical | Labs, I | nc. | | | | |
|-------------------------------------|-----------------|-------------------|--------------|-----------|---------|----------|----------------|----------|-------|
| Analyte | Result | Reporting Limi | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B08-8-100913 (1310144-01) Liquid | Sampled: 10/09/ | 13 17:12 | Received: 10 |)/09/13 1 | 9:25 | | | | |
| Enterococcus | 110 | ['] 1 | CFU/100 mL | 1 | B3J0966 | 10/09/13 | 10/09/13 19:45 | SM 9230C | |
| Fecal Coliforms | 40 | 1.0 | n | н | 0 | н | n | SM 9222D | |
| Total Coliforms | 270 | 10 | п | 10 | 11 | н | u. | SM 9222B | |
| C-B09-10B-100913 (1310144-02) Liqui | d Sampled: 10/ | 09/13 17:3 | 1 Received: | 10/09/1 | 3 19:25 | | | | |
| Enterococcus | 2000 | 10 | CFU/100 mL | 10 | B3J0966 | 10/09/13 | 10/09/13 19:45 | SM 9230C | |
| Fecal Coliforms | 2400 | 10 | 11 | | м | 11 | 0 | SM 9222D | |
| Total Coliforms | 60000 | 100 | R | 100 | н | 11 | 11 | SM 9222B | |



ſ

| | y Park Court Suite A go CA, 92123 | Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold | Reported: 10/21/13 10:27 |
|-----|--|--|---------------------------------|
| | | Notes and Definitions | |
| DET | Analyte DETECTED | | |
| ND | Analyte NOT DETECTED at or above the reporting | g limit | |
| NR | Not Reported | • | |
| dry | Sample results reported on a dry weight basis | | |
| RPD | Relative Percent Difference | | |
| | | | |
| | | | • |

| JCOINT | | | <i>To:</i> Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9115 Fax: (949) 348-9115 | Bottle Bottle Size Preservative Count | 120 mL 4°C + Tablet 20 mL Plastic Preservative | 120 mL 4°C + Tablet Plastic Preservative | - (hy Date/Time: 10/9/13 17:55 Date/Time: 10/9/13 17:55 |
|--------|---------------------------------------|-------------------|--|--|--|--|--|
| | Analysis Reguest and Chain of Custody | SAN DIEGO AIRPORT | | Analyses | Total Coliforms, Fecal Coliforms, Enterococcus | Total Coliforms, Fecal Coliforms, Enterococcus | 13, 17:55 Received By: MEXANDER |
| | Analysi | | | Time | P.C. | 6.2 | Date/Time: <u>[0/m//3</u>] IDate/Time: <u>[6/4//3</u> |
| | | | astructure ax: (858) 278-5300 | Date | - 10/09 13 | 10/09/13 | Usernet Wernet |
| | | | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 _. Fax: (858) 278-5300 | SampleID | 01 C-B08-8 1009 13 | 03 C-B09-10B 100913 | Sampler's Initials: <u>M</u> Relinquished By: <u>MMA</u> Relinquished By: <u>MIC</u> |



14 November 2013

Amanda Archenhold AMEC 9177 Sky Park Court Suite A San Diego, CA 92123

RE:San Diego Airport (2013) Work Order No.: 1310169

Attached are the results of the analyses for samples received by the laboratory on 10/10/13 14:21.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

R. Teast

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Reported: 11/14/13 10:54 | | |
|--|----------------------------|------------------------------------|----------------|----------------|
| | ANALYTICAL REPORT FOR SAMI | PLES | | |
| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
| C-B03-2-100913 | 1310169-01 | Liquid | 10/09/13 17:35 | 10/10/13 14:21 |
| C-B05-4-100913 | 1310169-02 | Liquid | 10/09/13 17:45 | 10/10/13 14:21 |
| C-B06-5A-100913 | 1310169-03 | Liquid | 10/09/13 17:10 | 10/10/13 14:21 |
| C-B07-7-100913 | 1310169-04 | Liquid | 10/09/13 17:03 | 10/10/13 14:21 |
| C-B08-8-100913 | 1310169-05 | Liquid | 10/09/13 17:12 | 10/10/13 14:21 |
| C-B09-10B-100913 | 1310169-06 | Liquid | 10/09/13 17:31 | 10/10/13 14:21 |
| C-B12-9A-100913 | 1310169-07 | Liquid | 10/09/13 17:09 | 10/10/13 14:21 |
| S-B06-12-100913 | 1310169-08 | Liquid | 10/09/13 21:14 | 10/10/13 14:21 |
| S-B06-12-100913 | 1310169-09 | Liquid | 10/09/13 17:55 | 10/10/13 14:21 |
| C-B03-2-100913-BLK | 1310169-10 | Liquid | 10/09/13 17:35 | 10/10/13 14:21 |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:54 |

Conventional Chemistry Parameters by APHA/EPA Methods

| ····· | | Sierra A | nalytical | Labs, I | nc. | | | | |
|------------------------------------|-----------------|-------------------|-------------|-----------|---------|----------|----------------|-------------|------|
| Analyte | Result | Reporting Limi | | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09 | /13 17:35 | Received: 1 | 0/10/13 1 | 4:21 | | | | |
| Ammonia as N | 24.5 | 2.50 | mg/L | 25 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 210 | 2.00 | н. | . 1 | U | 11 | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 1100 | 0.100 | ท | .11 | 11 | 10 | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 950 | 0.100 | µmhos/cm | н | tt. | н | 11 | EPA 120.1 | |
| Total Hardness | 343 | 0.400 | mg/L | U. | U U | IJ | н | SM 2340 C | |
| Hexane Extractable Material (HEM) | 6.90 | 2.00 | н | | 11 | н | 11 | EPA 1664 | |
| Methylene Blue Active Substances | 0.480 | 0.0500 | н | 11 | 0 | н | n | EPA 425.1 | |
| pH | 5.67 | 0.100 | pH Units | н | 11 | 0 | 11 | EPA 150.1 | |
| Total Suspended Solids | 102 | 1.00 | mg/L | п | 11 | n | 11 | EPA 160.2 | |
| C-B05-4-100913 (1310169-02) Liquid | Sampled: 10/09 | /13 17:45 | Received: 1 | 0/10/13 1 | 4:21 | | | | |
| Ammouia as N | 4.50 | 0.500 | mg/L | 5 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 115 | 2.00 | 11 | 1 | 11 | н | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 660 | 0.100 | н | | н | н | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 600 | 0.100 | µmhos/cm | 11 | н | H | Н. | EPA 120.1 | |
| Total Hardness | 196 | 0.400 | mg/L | м | u: | 11 | н | SM 2340 C | |
| Hexane Extractable Material (HEM) | 2.00 | 2.00 | 11 | н | н | н | 11 | EPA 1664 | |
| Methylene Blue Active Substances | 0.280 | 0.0500 | н | 11 | u | " | . н | EPA 425.1 | |
| pH | 6.44 | 0.100 | pH Units | 11 | н | н | 11 | EPA 150,1 | |
| Total Suspended Solids | 72.0 | 1.00 | mg/L | n- | n | u | п | EPA 160.2 | |
| C-B06-5A-100913 (1310169-03) Liqui | d Sampled: 10/0 | 09/13 17:10 |) Received: | 10/10/13 | 14:21 | | | | |
| Ammonia as N | 1.85 | 0.500 | mg/L | 5 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 33.0 | 2.00 | | 1 | н | н | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 111 | 0.100 | 11 | н | н | н | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 296 | 0.100 | µmhos/cm | н | н | н | 11 | EPA 120,1 | |
| Total Hardness | 60.0 | 0.400 | mg/L | | 11 | н | 11 | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | " | U | 11 | u. | 11 | EPA 1664 | |
| Methylene Blue Active Substances | 0.140 | 0.0500 | n | 0 | н | n | н | EPA 425,1 | |
| pH | 6.71 | 0.100 | pH Units | 91 | n | 11 | u. | EPA 150.1 | |
| Total Suspended Solids | 30.0 | 1.00 | mg/L | 11 | 11 | " | 11 | EPA 160,2 | |
| | | | | | | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Ni | roject: San umber: [non mager: Ama | ie] | | 13) | | Reported: 11/14/13 10 | 54 |
|--|----------------|--------------------|--|------------|---------|----------|---------------------------------------|--|------|
| | onventional C | | | | | A Moth | ode | 11/14/13 10 | - 54 |
| | | • | nalytical | - | | Amen | ous | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B07-7-100913 (1310169-04) Liquid | Sampled: 10/09 | /13 17:03 1 | Received: 1 | 0/10/13 1 | 4:21 | | · · · · · · · · · · · · · · · · · · · | ······································ | |
| Ammonia as N | 12.2 | 2.50 | mg/L | 25 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 130 | 2.00 | 11 | 1 | н | н | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 424 | 0.100 | н | н | . н | н | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 389 | 0.100 | µmhos/cm | n | | н | n | EPA 120.1 | |
| Total Hardness | 97.0 | 0.400 | mg/L | 11 | 11 | н | n | SM 2340 C | |
| Hexane Extractable Material (HEM) | 4.00 | 2.00 | н | 11 | н | н | u. | EPA 1664 | |
| Methylene Blue Active Substances | 0.430 | 0.0500 | н | 11 | н | н | н | EPA 425.1 | |
| pĤ | 5.51 | 0.100 | pH Units | n | N | 11 | 11 | EPA 150.1 | |
| Total Suspended Solids | 110 | 1.00 | mg/L | н | R | · | n | EPA 160.2 | |
| C-B08-8-100913 (1310169-05) Liquid | Sampled: 10/09 | /13 17:12 | Received: 1 | 0/10/13 1 | 4:21 | | | | |
| Ammonia as N | 0.950 | 0.500 | mg/L | 5 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 14.0 | 2.00 | н | 1 | ۳. | н | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 53.0 | 0.100 | н | u, | н | н | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 3.90 | 0.100 | µmhos/cm | 9 | н | н. | 11 | EPA 120.1 | |
| Total Hardness | 127 | 0.400 | mg/L | 0 | 11 | н | If | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | 11 | 11 | 11 | н | н | EPA 1664 | |
| Methylene Blue Active Substances | 0.130 | 0,0500 | N | 11 | м | 11 | н | EPA 425.1 | |
| pH | 6.67 | 0.100 | pH Units | ti | 11 | н | 11 | EPA 150.1 | |
| Total Suspended Solids | 9.00 | 1.00 | mg/L | н | 11 | н | 11 | EPA 160.2 | / |
| C-B09-10B-100913 (1310169-06) Liqu | id Sampled: 10 | /09/13 17:31 | Received | : 10/10/1: | 3 14:21 | | | | |
| Ammonia as N | 5.00 | 2.50 | mg/L | 25 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 196 | 2.00 | If . | 1 | υ | н | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 560 | 0.100 | 11 | н | 11 | н | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 690 | 0.100 | µmhos/cm | н | н | н | 11 | EPA 120,1 | |
| Total Hardness | 183 | 0.400 | mg/L | н | 0 | н | n | SM 2340 C | |
| Hexane Extractable Material (HEM) | 4.30 | 2.00 | н | н | 11 | U. | " | EPA 1664 | |
| Methylene Blue Active Substances | 0.320 | 0.0500 | -8 | п | н | н | н | EPA 425.1 | |
| рН | 6.50 | 0.100 | pH Units | н | 11 | и | 11 | EPA 150.1 | |
| Total Suspended Solids | 182 | 1.00 | mg/L | п | -0 | и | 11 | EPA 160.2 | |



Hexane Extractable Material (HEM)

Methylene Blue Active Substances

Total Suspended Solids

Biochemical Oxygen Demand

Hexane Extractable Material (HEM)

Chemical Oxygen Demand

Specific Conductance (EC)

Total Suspended Solids

Biochemical Oxygen Demand

Chemical Oxygen Demand

Total Suspended Solids

Specific Conductance (EC)

Hexane Extractable Material (HEM)

Methylene Blue Active Substances

Total Hardness

Ammonia as N

Total Hardness

pН

pН

pН

| AMEC | | | roject: San umber: [non | | irport (20 | 13) | | Reported: | |
|-------------------------------------|---------------|------------|----------------------------|-----------|------------|----------|----------------|--------------|------|
| 9177 Sky Park Court Suite A | | | - | - | | | | • | |
| San Diego CA, 92123 | | Project Ma | mager: Ama | inda Arch | enhold | | | 11/14/13 10: | .54 |
| Con | ventional Ch | emistry] | Paramete | rs by A | PHA/EP | A Meth | ods | | |
| | | Sierra A | nalytical | Labs, I | nc. | | | | |
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B12-9A-100913 (1310169-07) Liquid | Sampled: 10/0 | 9/13 17:09 | Received: | 10/10/13 | 14:21 | | | | |
| Ammonia as N | 2.40 | 0.500 | mg/L | 5 | B3J2242 | 10/10/13 | 10/10/13 16:16 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 16.0 | 2,00 | 41 | ŀ | н | 8 | 10/15/13 16:16 | EPA 405.1 | |
| Chemical Oxygen Demand | 31.0 | 0.100 | 9 | п | 11 | 11 | 10/10/13 16:16 | EPA 410.4 | |
| Specific Conductance (EC) | 322 | 0.100 | µmhos/cm | н | 11 | п | н : | EPA 120.1 | |
| Total Hardness | 110 | 0.400 | mg/L | .0 | 11 | н | н | SM 2340 C | |

pH Units

mg/L

mg/L

µmhos/cm

mg/L

U

pH Units

mg/L

mg/L

н

µmhos/cm

mg/L

ĸ

9

pH Units

mg/L

11

н

1

л

H

1

...

11

11

10/10/13

łł.

ų

п

в

n

10/10/13

B3J2242

н

n

0

11

0

н

B3J2242

н

10/15/13 16:16

л

41

r

H

н

н

Ħ

10/10/13 16:16 EPA 410.4

10/10/13 16:16SM 4500-NH3

10/15/13 16:16 EPA 405.1

10/10/13 16:16 EPA 410.4

ND

0.140

6.51

13.0

70.0

296

83.8

295

ND

6.56

58.0

ND

ND

2.94

ND

ND

ND

6.83

ND

C-B03-2-100913-BLK (1310169-10) Liquid Sampled: 10/09/13 17:35 Received: 10/10/13 14:21 ND

S-B06-12-100913 (1310169-08) Liquid Sampled: 10/09/13 21:14 Received: 10/10/13 14:21

2.00

0.0500

0.100

1.00

2.00

0.100

0.100

0.400

2.00

0.100

1.00

0.100

2.00

0.100

0.100

0.400

0.0500

0.100

1.00

2.00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET

EPA 1664

EPA 425.1

EPA 150.1

EPA 160.2

EPA 405.1

EPA 120.1

SM 2340 C

EPA 1664

EPA 150.1

EPA 160.2

EPA 120.1

SM 2340 C

EPA 1664

EPA 425.1

EPA 150.1

EPA 160.2



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Project: San Diego Airport (2013) Project Number: [none] Project Manager: Amanda Archenhold | | | | | | | Reported: 11/14/13 10:54 | | |
|--|---|--------------------|-----------|------------|---------|----------|----------------|------------------------------------|-------|--|
| | Me | etals by El | PA 200 \$ | Series M | ethods | | | | | |
| | | Sierra A | nalytica | l Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09 | /13 17:35 l | Received: | 10/10/13 1 | 4:21 | | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | | | |
| Aluminum | 4300 | 25 | н | 0 | -11 | 11 | U. | " | | |
| Arsenic | ND | 3.0 | It | ų | н | н | 11. | 11 | | |
| Cadmium | ND | 2.0 | | 11 | н | n | 1f | 11 | | |
| Chromium | 8.0 | 3.0 | 11 | и | " | 11 | н | 0 | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | . " | B3J1045 | 10/10/13 | 10/16/13 12:11 | EPA 218.6 | | |
| Copper | 1700 | 1.0 | μg/L | н | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | |
| Iron | 4.9 | 0.025 | mg/L | н | 11 | 11 | 0 | н | | |
| Mercury | ND | 0.00030 | н | If | B3J1107 | 10/11/13 | 10/17/13 15:45 | EPA 245.1 | | |
| Nickel | 7 7 | 5.0 | μg/L | " | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | |
| Lead | 290 | 1.0 | н | v | 11 | u. | 0 | n | | |
| Zinc | 1500 | 1.0 | н | у | н | н | 11 | n. | | |
| C-B05-4-100913 (1310169-02) Liquid | Sampled: 10/09 | 0/13 17:45 I | Received: | 10/10/13 1 | 4:21 | | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | |
| Aluminum | 1800 | 25 | | 9 | н. | н | n. | n . | | |
| Arsenic | ND | 3.0 | " | 11 | н | н | н | II. | | |
| Cadmium | ND | 2.0 | " | н | н | н | н | II. | | |
| Chromium | ND | 3.0 | .11 | н | н | н | н | n | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | н | B3J1045 | 10/10/13 | 10/16/13 12:11 | EPA 218.6 | | |
| Copper | 1900 | 1.0 | µg/L | н | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | |
| Iron | 1.9 | 0,025 | mg/L | н | н | н | н | n | | |
| Mercury | ND | 0.00030 | н | н | B3J1107 | 10/11/13 | 10/17/13 15:45 | EPA 245.1 | | |
| Nickel | 48 | 5.0 | µg/L | н | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | |
| Lead | ND | 1.0 | н | н | п | н | " | n | | |
| Zinc | 7100 | 1.0 | н | н | 11 | 12 | 11 | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | roject: Sar umber: [noi inager: Am | ne] | irport (20 enhold | 13) | | Reporte 11/14/13 1 | • |
|--|----------------|--------------------|--|------------|----------------------|----------|-----------------|--|------|
| • | Me | tals by El | PA 200 S | eries M | ethods | | | | |
| | | Sierra A | nalytical | Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B06-5A-100913 (1310169-03) Liquid | Sampled: 10/0 | 9/13 17:10 | Received | : 10/10/13 | 14:21 | | · · · · · · · · | e. | |
| Silver | ND | 1.5 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | |
| Aluminum | 1000 | 25 | н | н | n | 11 | lt. | an a | |
| Arsenic | ND | 3.0 | . H | н | 11 | " | " | 11 | |
| Cadmium | ND | 2.0 | U | n | 11- | 9 | 11 | 11 | |
| Chromium | 12 | 3.0 | 11 | u. | u | н | n | н. | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 11 | B3J1045 | 10/10/13 | 10/16/13 12:11 | EPA 218.6 | |
| Copper | 82 | 1.0 | μg/L | n | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | |
| Iron | 1.1 | 0.025 | mg/L | И | n | н | п | W. | |
| Mercury | ND | 0.00030 | IJ | n | B3J1107 | 10/11/13 | 10/17/13 15:45 | EPA 245,1 | |
| Nickel | ND | 5.0 | μg/L | П | B3J1044 | 10/10/13 | 10/15/13 11:39 | | |
| Lead | ND | 1.0 | n | 11 | N. | 11 | 11 | н | |
| Zinc | 1100 | 1.0 | н | 11 | | · II | И | н | |
| C-B07-7-100913 (1310169-04) Liquid | Sampled: 10/09 | /13 17:03 | Received: 1 | 10/10/13 1 | 4:21 | | | | |
| Aluminum | 1800 | 25 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | |
| Copper | 760 | 1.0 | н | 11 | н | 11 | u | n . | |
| fron | 2.1 | 0.025 | mg/L | IF . | .9 | | n | . H | |
| Lead | ND | 1.0 | μg/L | н | н | н | н | n. | |
| Zinc | 2200 | 1.0 | п | n | М | 11 | н | n | |
| C-B08-8-100913 (1310169-05) Liquid | Sampled: 10/09 | /13 17:12 | Received: | 10/10/13 1 | 4:21 | | | | |
| Aluminum | 72 | 25 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | |
| Copper | 120 | 1.0 | 11 | 0 | н | n , | II | u. | |
| Iron | 0.094 | 0.025 | mg/L | 11 | 0 | 11 | n | 11 | |
| Lead | ND | 1.0 | μg/L | U | 91 | łt | n | n | |
| Zinc | 250 | 1.0 | н | н | н | 11 | n | n | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Project: San Diego Airport (2013) Project Number: [none] Project Manager: Amanda Archenhold | | | | | | | | Reported: 11/14/13 10:54 | | |
|--|---|--------------------|-----------|--------------|---------|----------|----------------|-----------|---------------------------------|--|--|
| | Me | etals by EF | PA 200 S | Series M | ethods | | | | | | |
| | | Sierra Ai | nalytica | l Labs, I | nc. | | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | |
| C-B09-10B-100913 (1310169-06) Liquid | Sampled: 10 | /09/13 17:31 | Receive | d: 10/10/13 | 3 14:21 | | | | | | |
| Aluminum | 2500 | 25 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | | |
| Copper | 120 | 1.0 | н | 91 | ** | н | U . | н | | | |
| Iron | 3.1 | 0.025 | mg/L | н | н | | 11 | н | | | |
| Lead | ND | 1.0 | μg/L | 11 | n | н | н | " | | | |
| Zinc | 1200 | 1.0 | 11 | н | 11 | " | н. | 11 | | | |
| C-B12-9A-100913 (1310169-07) Liquid | Sampled: 10/ | 09/13 17:09 | Received | I: 10/10/13 | 14:21 | | | | | | |
| Aluminum | 210 | 25 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | | |
| Copper | 49 | 1.0 | N | 11 | н | 11 | 11 | H. | | | |
| Iron | 0.26 | 0.025 | mg/L | " | 18 | в | н | 11 | | | |
| Lead | ND | 1.0 | μg/L | ų | н. | 17 | 11 | 11. | | | |
| Zinc | 220 | 1.0 | н | 11 | 11 | н | н | п | | | |
| S-B06-12-100913 (1310169-08) Liquid | Sampled: 10/0 | 9/13 21:14 | Received: | : 10/10/13 1 | 14:21 | | | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | 778-181 | | |
| Aluminum | 720 | 25 | 11 | 11 | n | 11 | н | H. | | | |
| Arsenic | ND | 3.0 | " | н | 11 | И. | υ | | | | |
| Cadmium | ND | 2.0 | 11 | n | 11 | н | Û | N- | | | |
| Chromium | ND | 3.0 | 11 | н | 17 | н | 11 | И. | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | п | B3J1045 | 10/10/13 | 10/16/13 12:11 | EPA 218.6 | | | |
| Copper | 410 | 1.0 | μg/L | н | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | | |
| Iron | 0.10 | 0.025 | mg/L | н | 11 | 11 | u. | n | | | |
| Mercury | ND | 0.00030 | H a | н | B3J1107 | 10/11/13 | 10/17/13 15:45 | EPA 245.1 | | | |
| Nickel | ND | 5.0 | μg/L | м | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | | | |
| Lead | ND | 1.0 | 11 | н | 11 | 11 | н. | н. | | | |
| Zinc | 2000 | 1.0 | IE. | н | 0 | 11 | н | II. | | | |



Zinc

| Metals by EPA 200 Series Methods | | | | | | | | | | |
|----------------------------------|------------------|--------------------------|----------------|--|--|--|--|--|--|--|
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:54 | | | | | | | |
| 9177 Sky Park Court Suite A | Project Number: | [none] | Reported: | | | | | | | |
| AMEC | Project: | San Diego Airport (2013) | | | | | | | | |

Sierra Analytical Labs. Inc.

| | | Siella Al | larytica | 1 1/403, 1 | | | ÷ | | |
|--|----------|--------------------|----------|------------|------------|----------|----------------|-----------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B03-2-100913-BLK (1310169-10) Liquid | Sampled: | 10/09/13 17: | 35 Rece | ived: 10/1 | 0/13 14:21 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | |
| Aluminum | ND | 25 | 11 | 11 | P. | н | 9 | н | |
| Arsenic | ND | 3.0 | н | " | н | | 11 | 8 | |
| Cadmium | ND | 2.0 | н | 11 | н | 11 | н | 11 | |
| Chromium | ND | 3.0 | н | н | 11 | · | н | II. | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | tt | B3J1045 | 10/10/13 | 10/16/13 12:11 | EPA 218.6 | |
| Copper | ND | 1.0 | μg/L | 11 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200,8 | |
| Iron | ND | 0.025 | mg/L | | H. | 11 | 11 | " | |
| Mercury | ND | 0.00030 | н | н | B3J1107 | 10/11/13 | 10/17/13 15:45 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | 11 | B3J1044 | 10/10/13 | 10/15/13 11:39 | EPA 200.8 | |
| Lead | ND | 1.0 | " | 'n | .9 | н | 11- | re | |

11

ND

1.0

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project N | umber: [no | n Diego A one] nanda Arch | | 13) | | Report 11/14/13 | |
|--|-------------------------|-----------------------|---------------------------|---------------------------------|-------------------------------|----------------------------------|---|---------------------------|---------------------------------------|
| | Metals (| Dissolved) | by EPA | A 200 Ser | ies Meth | lods | | | · · · · · · · · · · · · · · · · · · · |
| | | Sierra A | nalytica | l Labs, Iı | nc. | | | | |
| Analyte | Result | Reporting Limit | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09 | /13 17:35 | Received: | 10/10/13 14 | 4:21 | 4 | | | |
| Silver Arsenic Cadmium | ND ND ND | 1.5 3.0 2.0 | μg/L " | 1 | B3J1105 " | 10/11/13 | 10/15/13 12:12 | EPA 200.8 | |
| Chromium Hexavalent Chromium | 3.1 ND | 3.0 0.0020 | " mg/L | N- M | " B3J1048 | " 10/10/13 | n 10/16/13 12:13 | " EPA 218.6 | |
| Copper Mercury Nickel | 1400 ND 44 | 1.0 0.00073 5.0 | μg/L mg/L μg/L " | 11 12 11 | B3J1105 B3J1108 B3J1105 | 10/11/13 10/11/13 10/11/13 | 10/15/13 12:12 1.0/17/13 15:53 10/15/13 12:12 | | |
| Lead Zinc | 140 1300 | 2.0 1.0 | n | н | Ω | " | 17 | | |
| C-B05-4-100913 (1310169-02) Liquid | Sampled: 10/09 | | | | | - | • | | • |
| Silver Arsenic Cadmium | ND ND ND | 1.5 3.0 2.0 | μg/L " | 1 11 11 | B3J1105 " | 10/11/13 | 10/15/13 12:12 " | H | |
| Chromium Hexavalent Chromium Copper | ND ND 1500 | 3.0 0.0020 1.0 | " mg/L μg/L | n D | " B3J1048 B3J1105 | " 10/10/13 10/11/13 | " 10/16/13 12:13 10/15/13 12:12 | | |
| Mercury Nickel Lead | ND 38 ND | 0.00073 5.0 2.0 | mg/L μg/L " | 1) -1) 71 | B3J1108 B3J1105 " | 10/11/13 10/11/13 | 10/17/13 15:53 10/15/13 12:12 | EPA 245.1 EPA 200.8 | |
| Zinc C-B06-5A-100913 (1310169-03) Liquid | 5600 | 1.0 | " Received | " 1: 10/10/13 | " 14:21 | 11 | n | n | |
| Silver | ND | 1.5 | μg/L | 1 | B3J1105 | 10/11/13 | 10/15/13 12:12 | | |
| Arsenic Cadmium Chromium | ND ND 4.8 | 3.0 2.0 3.0 | n H | 11 11 11 | 11 11 11 | 11 11 | н н 11 | 14- 14- | |
| Hexavalent Chromium Copper | ND 58 | 0.0020 1.0 | mg/L μg/L | 11 11 | B3J1048 B3J1105 | 10/10/13 10/11/13 | 10/16/13 12:13 10/15/13 12:12 | EPA 218.6 EPA 200.8 | |
| Mercury Nickel Lead | ND ND ND | 0.00073 5.0 2.0 | mg/L μg/L " | 11 11 11 | B3J1108 B3J1105 " | 10/11/13 10/11/13 " | 10/17/13 15:53 10/15/13 12:12 " | | |
| Zinc | 330 | 1.0 | 1F | ** | м | 11 | n | II- | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur Project Nur Project Man | nber: [no | ne] | Airport (20 aenhold | 13) | | Reported 11/14/13 1 | |
|---|--|--|--|--|---|---|---|---|----------|
| · · · · · · · · · · · · · · · · · · · | Metals (I | Dissolved) | by EPA | 200 Ser | ies Meth | ods | | • | |
| | | Sierra An | alytical | l Labs, Ii | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B07-7-100913 (1310169-04) Liquid | Sampled: 10/09 | /13 17:03 R | eceived: | 10/10/13 1 | 4:21 | | | | |
| Copper Zinc | 560 1700 | 1.0 1.0 | μg/L " | . " | B3J1105 " | 10/11/13 " | 10/15/13 12:12 | EPA 200.8 | <u> </u> |
| C-B08-8-100913 (1310169-05) Liquid | Sampled: 10/09 | /13 17:12 R | eceived: | 10/10/13 14 | 4:21 | | | | |
| Copper Zinc | 99 190 | 1.0 1.0 | μg/L " | 1 .n | B3J1105 " | 10/11/13 " | 10/15/13 12:12 " | EPA 200.8 | |
| C-B09-10B-100913 (1310169-06) Liquid | Sampled: 10 | /09/13 17:31 | Receive | d: 10/10/13 | 3 14:21 | | | | |
| Copper Zinc | 85 920 | 1.0 1.0 | μg/L " | 1 1 | B3J1105 " | 10/11/13 " | 10/15/13 12:12 | EPA 200.8 | |
| C-B12-9A-100913 (1310169-07) Liquid | Sampled: 10/0 | 9/13 17:09 | Received | i: 10/10/13 | 14:21 | | | | |
| Copper Zinc | 33 160 | 1.0 1.0 | μg/L " | 1 " | B3J1105 " | 10/11/13 | 10/15/13 12:12 | EPA 200.8 | |
| S-B06-12-100913 (1310169-08) Liquid | Sampled: 10/0 | 9/13 21:14 H | Received: | 10/10/13 | 14:21 | | | | |
| Silver Arsenic Cadmium Chromium Hexavalent Chromium Copper Mercury Nickel | ND ND ND ND 240 ND ND ND | 1.5 3.0 2.0 3.0 0.0020 1.0 0.00073 5.0 2.0 | μg/L " " mg/L μg/L mg/L μg/L | 1 0 11 11 11 11 11 11 11 11 11 11 11 11 | B3J1105 " " B3J1048 B3J1105 B3J1108 B3J1108 | 10/11/13 " " 10/10/13 10/11/13 10/11/13 10/11/13 " | 10/15/13 12:12 " " 10/16/13 12:13 10/15/13 12:12 10/17/13 15:53 10/15/13 12:12 " | " " EPA 218.6 EPA 200.8 EPA 245.1 | |



| AMEC | | | | | irport (20 | 13) | | | | | | |
|-------------------------------------|------------------|--------------------|-----------|-------------|------------|----------|----------------|-------------|-------|--|--|--|
| 9177 Sky Park Court Suite A | | Project Nu | - | - | | | | Reporte | 1: | | | |
| San Diego CA, 92123 | | Project Mar | ager: An | nanda Arch | enhold | | | 11/14/13 1 | 0:54 | | | |
| | Triv | alent Chr | omium | by Cale | ulation | | | | | | | |
| Sierra Analytical Labs, Inc. | | | | | | | | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09/1 | 13 17:35 R | eceived: | 10/10/13 14 | 4:21 | | | | | | | |
| Trivalent Chromium | 8.0 | 0.010 | mg/L | 1 | B3J1047 | 10/10/13 | 10/16/13 12:21 | Calculation | | | | |
| C-B05-4-100913 (1310169-02) Liquid | Sampled: 10/09/1 | 13 17:45 R | eceived: | 10/10/13 14 | 4:21 | | | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J1047 | 10/10/13 | 10/16/13 12:21 | Calculation | | | | |
| C-B06-5A-100913 (1310169-03) Liquid | Sampled: 10/09 | 0/13 17:10 | Received | : 10/10/13 | 14:21 | | | | | | | |
| Trivalent Chromium | 12 | 0.010 | mg/L | 1 | B3J1047 | 10/10/13 | 10/16/13 12:21 | Calculation | | | | |
| S-B06-12-100913 (1310169-08) Liquid | Sampled: 10/09/ | 13 21:14 1 | Received: | 10/10/13 1 | 4:21 | | | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | · 1 | B3J1047 | 10/10/13 | 10/16/13 12:21 | Calculation | | | | |
| C-B03-2-100913-BLK (1310169-10) Li | quid Sampled: 1 | 0/09/13 17: | 35 Recc | ived: 10/10 |)/13 14:21 | | | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J1047 | 10/10/13 | 10/16/13 12:21 | Calculation | | | | |



| · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
|---------------------------------------|------------------|--------------|----------|---------------|------------|----------|----------------|-------------|-------|
| AMEC | | Pro | ject: Sa | an Diego A | irport (20 | 13) | | | |
| 9177 Sky Park Court Suite A | | Project Num | ıber: [n | one] | • | ŗ | | Report | ed: |
| San Diego CA, 92123 | | Project Mana | nger: An | manda Arch | enhold | • . | | 11/14/13 | 10:54 |
| | Trivalent | Chromiun | ı by C | alculation | n (Dissol | lved) | | | |
| | | Sierra Ana | alytica | al Labs, In | nc. | | | | |
| | n t | Reporting | ** *. | | D (1 | D 1 | 4 1 3 | NF 41 1 | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09/ | 13 17:35 Re | ceived: | 10/10/13 1 | 4:21 | | | | |
| Trivalent Chromium | 3.1 | 0.010 | mg/L | 1 | B3J1049 | 10/10/13 | 10/16/13 12:18 | Calculation | |
| C-B05-4-100913 (1310169-02) Liquid | Sampled: 10/09/ | 13 17:45 Re | ceived | 10/10/13 1 | 4:21 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J1049 | 10/10/13 | 10/16/13 12:18 | Calculation | |
| C-B06-5A-100913 (1310169-03) Liquid | d Sampled: 10/09 | 9/13 17:10 H | Receive | d: 10/10/13 | 14:21 | ٩ | | | |
| Trivalent Chromium | 4.8 | 0.010 | mg/L | 1 | B3J1049 | 10/10/13 | 10/16/13 12:18 | Calculation | |
| S-B06-12-100913 (1310169-08) Liquid | Sampled: 10/09 | /13 21:14 R | eceived | l: 10/10/13 1 | 14:21 | | | | • |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J1049 | 10/10/13 | 10/16/13 12:18 | Calculation | |
| | | | | | | | | | |

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur Project Man | nber: [no | ne] | airport (20 | 13) | | Reported 11/14/13 1 | |
|--|-----------------|----------------------------|-----------|------------|-------------|----------|----------------|------------------------|-------|
| | Organochlorin | e Pesticid | es and I | PCBs by | EPA M | ethod 60 | 8 | | |
| | | Sierra An | alytical | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09/ | /13 17:35 R | eceived: | 10/10/13 1 | 4:21 | | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| HCH-alpha | ND | 0.010 | н | н | н | н | u. | н | |
| HCH-beta | ND | 0.050 | u. | n | u. | н | 41 | н | |
| HCH-delta | ND | 0.10 | 11 | n | 11 | -11 | u. | n | |
| HCH-gamma (Lindane) | ND | 0.20 | " | н | 11 | н | 11 | n | |
| Chlordane | ND | 0.050 | 11 | н | ji | 41 | 11 | n | |
| 4,4′-DDD | ND | 0.010 | n | н | 11 | н | 11 | н. | |
| 4,4´-DDE | ND | 0.010 | -11 | н | 11 | н | 11 | n | |
| 4,4′-DDT | ND | 0.010 | II. | н | u. | н | tt. | n | |
| Dieldrin | ND | 0.020 | н | .8 | 11 | н | u. | n. | |
| Endosulfan I | ND | 0.020 | U II | н | tt. | | 0 | n | |
| Endosulfan II | ND | 0.050 | B | 11 | u. | н | u | U . | |
| Endosulfan sulfate | ND | 0,050 | н | 11 | 11 | н | ч | п | |
| Endrin | ND | 0.10 | 11 | n | 11 | н | ч | n | |
| Endrin aldehyde | ND | 0.050 | н | 4F | 1Ľ | н | 9 | n | |
| Heptachlor | ND | 0.010 | н | n | 11 | н | 11 | н | |
| Heptachlor epoxide | ND | 0.010 | н | n. | 11 | н | .0 | u. | |
| Toxaphene | ND | 1.0 | н | 11 | н., | н | U U | n | |
| PCB-1016 | ND | 0.50 | м | п | 11 | " | ч | n | |
| PCB-1221 | ND | 0.50 | . N | u. | н | н | | н | |
| PCB-1232 | ND | 0.50 | и | " | ₩ ÷ | -8 | н | н | |
| PCB-1242 | ND | 0.50 | н | н | 11 | н | н | 11 | |
| PCB-1248 | ND | 0.50 | н | н | u | н | н | u. | |
| PCB-1254 | ND | 0.50 | н | и | п | н | н | 11 | |
| PCB-1260 | ND | 0.50 | n | н | п | н | n | н | |
| Surrogate: Decachlorobiphenyl | | 45.2 % | 42- | 147 | " | n | n | # | |
| Surrogate: Tetrachloro-meta-xylene | | 67.2 % | 42- | 147 | " | " | " | н | |

| S J L R R A |
|-------------|

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [no | n Diego A ne] nanda Arch | | 13) | | Reported 11/14/13 1 | |
|--|---------------|--------------------|-----------|--------------------------------|---------|----------|----------------|-------------------------------|-------|
| 0 | rganochlorin | e Pesticid | es and | PCBs by | EPA M | ethod 60 | 8 | | |
| | | Sierra Ai | nalytica | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B06-5A-100913 (1310169-03) Liquid | Sampled: 10/0 | 9/13 17:10 | Received | 1: 10/10/13 | 14:21 | 1. A. A. | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| HCH-alpha | ND | 0.010 | 11 | U | 11 | н | 11 | 41 | |
| HCH-beta | ND | 0.050 | н | 11 | μ | н | н | -11 | |
| HCH-delta | ND | 0.10 | н | U | н | H. | It | п | |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | u | п | v | 11 | н | |
| Chlordane | ND | 0.050 | | н | 11 | · u | н | 11 | |
| 4,4′-DDD | ND | 0.010 | п | . " | н | н | n | -11 | |
| 4,4′-DDE | ND | 0.010 | н | 11 | н | 11 | н | 11 | |
| 4,4′-DDT | ND | 0.010 | -11 | 11 | n | 11 | ш | н | |
| Dieldrin | ND | 0.020 | -11 | H | 11 | н | u | U | |
| Endosulfan I | ND | 0.020 | н | U | n | н | н | .11 | |
| Endosulfan II | ND | 0.050 | н | u | n | u | н | u | |
| Endosulfan sulfate | ND | 0.050 | 10 | n. | U | 11 | u. | н | |
| Endrin | ND | 0.10 | 11 | It | 97 | п | я. | н | |
| Endrin aldehyde | ND | 0.050 | н | 11 | · 0 | n | н | " | |
| Heptachlor | ND | 0.010 | | н | н | -11 | . u | н | |
| Heptachlor epoxide | ND | 0.010 | 11 | м. | 11 | 11 | 9 | и | |
| Toxaphene | ND | 1.0 | н | U. | | н | н | 11 | |
| PCB-1016 | ND | 0.50 | н | ,11 | 11 | 11 | н | 11 | |
| PCB-1221 | ND . | 0.50 | " | н | н | | -11 | н | |
| PCB-1232 | ND | 0.50 | н | 11 | 11 | · • • | . 11 | н | |
| PCB-1242 | ND | 0.50 | н | u. | п | п | н | u. | |
| PCB-1248 | ND | 0.50 | u. | 11 | ц | IJ | II. | n | |
| PCB-1254 | ND | 0.50 | u. | н | н | u. | 11 | н | |
| PCB-1260 | ND | 0.50 | н | H. | u u | 9 | 11 | 11 | |
| Surrogate: Decachlorobiphenyl | | 43.6% | 42 | -147 | " | " | u | " | |
| Surrogate: Tetrachloro-meta-xylene | | 66.4 % | | -147 | n | " | " | " | |

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Pr Project Nur Project Man | oject: San mber: [non hager: Ama | e] | | 13) | | Reporter 11/14/13 1 | |
|--|----------------|----------------------------------|--|------------|---------|-------------------------------------|----------------|-------------------------------|---------------------------------------|
| (| Organochlorir | | | | | ethod 60 | 8 | | |
| | 11 - No | Sierra An | alytical | Labs, I | 1c. | · · · · · · · · · · · · · · · · · · | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B07-7-100913 (1310169-04) Liquid | Sampled: 10/09 | | | | | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| PCB-1221 | ND | 0.50 | 0 | н | 11 | 18 | II. | 0 | |
| PCB-1232 | ND | 0.50 | н | 11 | 11 | 11 | U. | U. | |
| PCB-1242 | ND | 0.50 | н | ar i | 17 | 0 | н | 0 | |
| PCB-1248 | ND | 0.50 | н | Û. | 11 | | li I | n | |
| PCB-1254 | ND | 0.50 | н | .91 | .0 | -14 | н | n | |
| PCB-1260 | ND | 0.50 | н | 11 | и | н | 11 | n | |
| Surrogate: Decachlorobiphenyl | | 72.8 % | 42-1 | 47 | " | " | " | " | |
| Surrogate: Tetrachloro-meta-xylene | | 59.6% | 42-1 | | | n | н | " | |
| C-B08-8-100913 (1310169-05) Liquid | Sampled: 10/09 | | | | 1.21 | | | | |
| | • | | | | | 10/1//10 | 10/10/10 00 1/ | N770 1 600 | · · · · · · · · · · · · · · · · · · · |
| PCB-1016 PCB-1221 | ND ND | 0.50 | μg/L " | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| PCB-1221 | ND ND | 0.50 | 11 | 11 | | и | . N | | |
| PCB-1232 | ND | 0.50 0.50 | 11 | 'n | म | | N | . 0 | |
| PCB-1242 | ND ND | 0.50 | 11 | н | n | n | n | n | |
| PCB-1248 | ND | | R | n | | n | n | | |
| PCB-1254 | ND ND | 0.50 0.50 | R | .11 | | | IF. | н. | |
| · · · · · · · · · · · · · · · · · · · | ND | | | | | | | | |
| Surrogate: Decachlorobiphenyl | | 45.2 % | 42-1 | | " | " | .11 | " | |
| Surrogate: Tetrachloro-meta-xylene | | 46.0 % | 42-1 | 47 | " | " | " | " | |
| C-B09-10B-100913 (1310169-06) Liqui | d Sampled: 10 | 09/13 17:31 | Received | : 10/10/13 | 3 14:21 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| PCB-1221 | ND | 0.50 | N. | н | н | 11 | 17 | 0 | |
| PCB-1232 | ND | 0.50 | 11 | н | н | 11 | 11 | 0 | |
| PCB-1242 | ND | 0.50 | 17 | 11 | н | 11 | u. | | |
| PCB-1248 | ND | 0.50 | 'n | t1 | н | 11 | | | |
| PCB-1254 | ND | 0.50 | 17 | 11 | 11 | 11 | н | u. | |
| PCB-1260 | ND | 0.50 | 11 | 11 | 11 | " | н | 9 | |
| Surrogate: Decachlorobiphenyl | | 72.0 % | 42-1 | 47 | -H | н | " | " | |
| | | / 2.0 /0 | 42-147 42-147 | | | | | | |

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu Project Ma | mber: [no | ne] | irport (20 enhold | 13) | | Report 11/14/13 | |
|--|---------------------------------------|--------------------------|-----------|------------|----------------------|----------------|----------------|---------------------------|------|
| 0 | rganochlorin | | | - | | ethod 60 | 8. | | |
| | · · · · · · · · · · · · · · · · · · · | Sierra A | nalytical | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B12-9A-100913 (1310169-07) Liquid | Sampled: 10/0 | 9/13 17:09 | Received | : 10/10/13 | 14:21 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| PCB-1221 | ND | 0.50 | 11 | 11 | 0 | 11 | . н | н | |
| PCB-1232 | ND | 0.50 | 11 | 0 | 0 | н | If. | н | |
| PCB-1242 | ND | 0.50 | N | U. | -11. | н | 11 | u. | |
| PCB-1248 | ND | 0.50 | н | и | н | W. | U | 11 | |
| PCB-1254 | ND | 0.50 | 11 | u. | н., | 41 | м | н | |
| PCB-1260 | ND | 0.50 | н | я | 9 | U | ч | UÎ. | |
| Surrogate: Decachlorobiphenyl | | 43.6% | 42- | 147 | " | " | n | " | |
| Surrogate: Tetrachloro-meta-xylene | | 63.2 % | | 147 | -11 | " | " | .11 | |
| - | Sampled: 10/09 | | | | 14.71 | | | | |
| S-B06-12-100913 (1310169-09) Liquid | | | | | | 10/16/12 | 10/10/10 00 1/ | | |
| Aldrin | ND | 0.075 | μg/L " | 1 " | B3J1802 | 10/16/13 " | 10/18/13 09:46 | EPA 608 | |
| HCH-alpha | ND | 0.010 | 11 | 11 | | 11 | н | н | |
| HCH-beta | ND | 0.050 | | n | 11 | н | н | н | |
| HCH-delta | ND | 0.10 | " | н | n | li li | | 11 | |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | | | 11. | μ | 9 | |
| Chlordane | ND | 0.050 | | -11 | | 11 | н | n | |
| 4,4′-DDD | ND | 0.010 | .u | . H | | н | | | |
| 4,4′-DDE | ND | 0.010 | u. | | н | u U | | | |
| 4,4′-DDT | ND | 0.010 | 11 | | n. | | | 11. | |
| Dieldrin | ND | 0.020 | n | " 11 | | | | 11 | |
| Endosulfan I | ND | 0.020 | и | | 11 | n ['] | и | | |
| Endosulfan II | ND | 0.050 | u. | | и | | | n | |
| Endosulfan sulfate | ND | 0.050 | " | 11 | · n | | | . 11 | |
| Endrin | ND | 0.10 | | " | | | 17 | | · · |
| Endrin aldehyde | ND | 0.050 | | | | | 11 | | |
| Heptachlor | ND | 0.010 | N | | | 11 | .0 | | |
| Heptachlor epoxide | ND | 0.010 | | | и | | | | |
| Toxaphene | ND | 1.0 | н | | в | л | 11. | 11 | |
| PCB-1016 | ND | 0.50 | u. | и. | н | .11 | · • | | |
| PCB-1221 | ND | 0.50 | 1) 1) | | n | н | н | " | |
| PCB-1232 | ' ND | 0.50 | " | u u | n | н | | " | |
| PCB-1242 | ND | 0.50 | 17 | 11 | | н | м | 11 | |
| PCB-1248 | ND | 0.50 | и Л | 11 | " | и | n | 11 | |
| PCB-1254 | ND | 0.50 | ,, П | u | | " | и. | | |
| PCB-1260 | ND | 0.50 | | | | | | | |
| Surrogate: Decachlorobiphenyl | | 87.6 % | | 147 | " | " | .11 | " | |
| Surrogate: Tetrachloro-meta-xylene | | 114 % | 42- | -147 | · 11 | Ħ | : <i>H</i> | .11 | |

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Proj Project Num Project Manaj | ber: [no | | | 13) | | Reported 11/14/13 1 | |
|--|-----------|--------------------------------------|----------|-------------|------------|---------------------------------------|----------------|-------------------------------|------|
| Orga | nochlorir | ie Pesticide: Sierra Ana | | • | | ethod 608 | 8 | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B03-2-100913-BLK (1310169-10) Liquid | Sampled: | 10/09/13 17:3 | 5 Rece | eived: 10/1 | 0/13 14:21 | · · · · · · · · · · · · · · · · · · · | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J1802 | 10/16/13 | 10/18/13 09:46 | EPA 608 | |
| HCH-alpha | ND | 0.010 | 0. | н | .0 | 11 | н | n | |
| HCH-beta | ND | 0.050 | н | н | . 11 | 11 | н | н | |
| HCH-delta | ND | 0.10 | н | . 11 | tt. | n | л | н | |
| HCH-gamma (Lindane) | ND | 0.20 | ,н | n | н | н | 11 | . u | |
| Chlordane | ND | 0.050 | 11 | 11 | H. | n | 1f | 11 | |
| 4,4′-DDD | ND | 0.010 | ۱f | н | Π. | H | 11 | 11 | |
| 4,4´-DDE | ND | 0.010 | 11 | н | н | 11 | 11 | м | |
| 4,4′-DDT | ND | 0.010 | .0 | н | н | -10 | 11 | 11 | |
| Dieldrin | ND | 0.020 | 14 | n | и | 11 | n | 11 | |
| Endosulfan I | ND | 0.020 | н | .0 | .91 | 11 | n | н | |
| Endosulfan II | ND | 0.050 | н | 11 | п | 11 | n | n | |
| Endosulfan sulfate | ND | 0.050 | н | 11 | 11 | н | н | n | |
| Endrin | ND | 0.10 | л | 9 | ų | н | н | n | |
| Endrin aldehyde | ND | 0.050 | л | 11 | 17 | н | н | " | |
| Heptachlor | ND | 0.010 | | 1F | în - | n | n | н | |
| Heptachlor epoxide | ND | 0.010 | 11 | 11 | IF. | н | n | н | |
| Foxaphene | ND | 1.0 | 11 | υ, | u II | н | н | н | |
| PCB-1016 | ND | 0.50 | 11 | 0 | U. | | п | н | |
| PCB-1221 | ND | 0.50 | 11 | B | 11 | н | л | н | |
| PCB-1232 | ND | 0,50 | н | 8 | н | н | н | н | |
| PCB-1242 | ND | 0.50 | n | n | n | н | н | н | |
| PCB-1248 | ND | 0,50 | n | n | n | н | н | н | |
| PCB-1254 | ND | 0.50 | н | н | n | н | н | н | |
| PCB-1260 | ND | 0.50 | н | н | n | п | н | н | |
| Surrogate: Decachlorobiphenyl | | 52.4 % | 42. | -147 | п | " | " | " | |
| Surrogate: Tetrachloro-meta-xylene | | 52.4 % 42-147 75.2 % 42-147 | | | " | " | " | " | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | | nber: [non | e] | Airport (20 Menhold | 13) | | Reported: 11/14/13 10 | |
|---|----------------|-----------------------|-------------------|-----------|------------------------|----------------------|---------------------|---------------------------------|-------|
| | Total Petr | oleum Hyd | lrocarbo | ns (TP | H) by G(| C/FID | | | |
| | | Sierra An | alytical | Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09 | /13 17:35 R | eceived: 1 | 0/10/13 1 | 4:21 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3J1729 | 10/11/13 | 10/17/13 16:1 | 1 EPA 8015B | D-42 |
| Surrogate: o-Terphenyl Jet-A | 0.40 | 556 % 0.050 | 60-1 " | 75 | " | " | <i>11</i> | 11 11 | S-07 |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.64 | <i>556 %</i> 0.050 | 60-1 | 75 | " | <i>11</i> 11 | <i>n</i> u | л В | S-07 |
| Surrogate: o-Terphenyl | l S 10/ | 556 % | 60-1 Beesiwada | | " | " | " | Л | S-02 |
| C-B06-5A-100913 (1310169-03) Liquid Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 10/10/13 | B3J1729 | 10/11/13 | 10/17/13 16:2 | 3 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | <i>164 %</i> 0.050 | 60-1 | | // // | <i>n</i> 10/11/15 | 10/17/15 10:2 // | " " | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | <i>164 %</i> 0.050 | <i>60-1</i> | 75 " | // H | " | и | <i>11</i> 11 | |
| Surrogate: o-Terphenyl | | 164 % | 60-1 | 75 | п | " | ·# | II. | |
| C-B07-7-100913 (1310169-04) Liquid | Sampled: 10/09 |)/13 17:03 R | eceived: 1 | 0/10/13 1 | 4:21 | | · · · · | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3J1729 | 10/11/13 | 10/17/13 16:3 | 4 EPA 8015B | D-42 |
| Surrogate: o-Terphenyl Jet-A | 0.24 | <i>307 %</i> 0.050 | 60-1 " | 75 " | <i>11</i> 11 | <i>H</i> 11 | // . 1) | <i>11</i> 11 | S-03 |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.39 | <i>307 %</i> 0.050 | 60-1 " | 75 | <i>H</i> 11 | <i>11</i> H | <i>n</i> 11 | <i>11</i> 11 | S-0 |
| Surrogate: o-Terphenyl | | 307 % | 60-1 | 75 | 11 | " | " | 11 | S-03 |
| C-B08-8-100913 (1310169-05) Liquid | Sampled: 10/09 | 9/13 17:12 R | eceived: 1 | 0/10/13 1 | 4:21 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0,050 | mg/L | 1 | B3J1729 | 10/11/13 | 10/17/13 16:4 | 5 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | <i>315 %</i> 0.050 | 60-1 " | 75 " | <i>it</i> It | <i>II</i> H | <i>11</i> 11 | // N | S-0; |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.42 | <i>315 %</i> 0.050 | 60-1 " | 75 " | <i>II</i> 11 | # 11 | <i>11</i> 11 | // .H | S-0 |
| Surrogate: o-Terphenyl | | 315 % | 60-1 | 75 | # | | " | " | S-0 |

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | oject: San I mber: [none aager: Amar |] | | | | Reported: 11/14/13 10 | |
|--|-------------------|------------------------|--|----------|-------------------|-----------------|-----------------|---------------------------------|-------|
| | Total Petr | oleum Hyd | lrocarbor | ıs (TPI | H) by G(| C/FID | | | |
| | | Sierra An | alytical I | labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B09-10B-100913 (1310169-06) Liquid | Sampled: 10 | /09/13 17:31 | Received: | 10/10/13 | 3 14:21 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3J1729 | 10/11/13 | 10/17/13 16:5 | 7 EPA 8015B | D-42 |
| Surrogate: o-Terphenyl Jet-A | 0.26 | <i>389 %</i> 0.050 | 60-17 | '5 " | . <i>11</i> 11 | 17 11 | // N | <i>11</i> 11 | S-07 |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.53 | <i>389 %</i> 0.050 | 60-17 " | '5 " | <i>11</i> 11 | <i>11</i> 11 | <i>11</i> 11 | <i>11</i> 11 | S-07 |
| Surrogate: o-Terphenyl | Sampled: 10/ | 389 % | 60-17 | • | " | " | II | n | S-07 |
| C-B12-9A-100913 (1310169-07) Liquid Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3J1729 | 10/11/13 | 10/17/12 17:0 | 8 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | 70.8 % | 60-17 | 75 " | 11 11 11 | " | " " | " " | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | 70.8 % 0.050 | 60-17 | '5 " | " | <i>11</i> 11 | <i>n-</i> 11 | <i>11</i> N | |
| Surrogate: o-Terphenyl C-B03-2-100913-BLK (1310169-10) Liqu | id Samplad | 70.8 % 10/09/13 17: | 60-17 | | " 0/13 14.91 | 11 | и | " | |

Received: 10/10/13 14:21 oled: 10/09/13 17:35

| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 B3J1729 1 | 10/11/13 | 10/17/13 17:19 EPA 8015B | | |
|---------------------------------|----|--------|--------|-------------|----------|--------------------------|------|----|
| Surrogate: o-Terphenyl | | 80.8 % | 60-175 | | " | " | " | " |
| Jet-A | ND | 0.050 | н | | н | 11 | . 11 | н |
| Surrogate: o-Terphenyl | | 80.8 % | 60-175 | | n | " | " | H. |
| Oil Range Organics (C22-C36) | ND | 0.050 | 11 | 4 | n | н | 11 | н |
| Surrogate: o-Terphenyl | | 80.8 % | 60-175 | | n | " | " | " |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:54 |

Polynuclear Aromatic Compounds by EPA Method 8310

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | | • Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-----------------|--------------------|----------|------------|---------|----------|----------------|----------|-------|
| C-B03-2-100913 (1310169-01) Liquid | Sampled: 10/09/ | /13 17:35 | Received | 10/10/13 1 | 4:21 | | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3J2247 | 10/16/13 | 10/22/13 13:42 | EPA 8310 | |
| Acenaplithylene | ND | 1.00 | н | 9 | 11 | н | н | н | |
| Acenaphthene | ND | 1.00 | н | н | n | н | u. | н | |
| Fluorene | ND | 0.100 | 11 | н | н | 11 | | | |
| Phenanthrene | ND | 0.100 | 11 | " | It | 11 | 11 | 11 | |
| Anthracene | ND | 0.0500 | 11 | | , II | 11 | н | и | |
| Fluoranthene | ND | 0.100 | н | 11 | 11 | н | n | н | |
| Pyrene | ND | 0.100 | II. | н | n | и | n | II | |
| Benzo (a) anthracene | ND | 0.0500 | 11 | н. | н., | -11 | 11 | n. | |
| Chrysene | ND | 0.100 | 11 | P | н | ·11 | 11 | 11 | |
| Benzo (b) fluoranthene | ND | 0.100 | 11 | " | u. | 11 | н | n | |
| Benzo (k) fluoranthene | ND | 0.0500 | п | 11 | 11 | л | n | B | |
| Benzo (a) pyrene | ND | 0.0500 | н | 11 | 0 | н | 11 | 11 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 0 | н | н | н | 11 | u. | |
| Benzo (g,h,i) perylene | ND | 0.100 | 11 | . 11 | н | -It | 11 | 11 | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | н | 11 | 0 | -11 | п | . л | |
| Surrogate: Decafluorobiphenyl | | 71.4 % | 30 |)-115 | II. | " | ļ | л. | |

C-B06-5A-100913 (1310169-03) Liquid Sampled: 10/09/13 17:10 Received: 10/10/13 14:21

| | Sumpress Act | | | | | | | | |
|-------------------------------|--------------|--------|------|----|---------|----------|----------------|----------|--|
| Naphthalene | ND | 0.500 | μg/L | 1 | B3J2247 | 10/16/13 | 10/22/13 13:42 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | н | 0 | 11 | 11 | н | 11 | |
| Acenaphthene | ND | 1.00 | II. | 11 | 9 | U II | н | В | |
| Fluorene | ND | 0.100 | θ. | н | n | н | II. | н | |
| Phenanthrene | ND | 0.100 | 9 | U. | н | н | 11 | u. | |
| Anthracene | ND | 0.0500 | , n | n | н | п | 11 | n. | |
| Fluoranthene | ND | 0.100 | н | 9 | 11 | II. | 11 | 11 | |
| Pyrene | ND | 0.100 | n | 11 | п | 11 | 11 | -0 | |
| Benzo (a) anthracene | ND | 0.0500 | н | 9 | 41 | 11 | 11 | 11 | |
| Chrysene | ND | 0.100 | n | 11 | 97 | 9 | н | -11 | |
| Benzo (b) fluoranthene | ND | 0.100 | II. | н | 11 | 97 | 11 | .0 | |
| Benzo (k) fluoranthene | ŅD | 0.0500 | 11 | н | 11 | n. | n | л | |
| Benzo (a) pyrene | ND | 0.0500 | 97 | н | 19 | 9 | n- | 0 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 11 | н | n | 11 | н | .D | |
| Benzo (g,h,i) perylene | ND | 0.100 | 11 | н | 11 | 11 | | р | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | 11 | н | 17 | 11 | n | - 11 | |
| Surrogate: Decafluorobiphenyl | | 59.8 % | 30-1 | 15 | н | и | " | " | |
| | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project N | umber: [nc | | Airport (20 Menhold | 13) | | Reporte 11/14/13 1 | |
|--|---------------|--------------------|------------|------------|------------------------|----------|-----------------|------------------------------|------|
| 1 | Polynuclear A | | - | • | | hod 831 | 0 | | |
| | | Sierra A | nalytica | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| S-B06-12-100913 (1310169-09) Liquid | Sampled: 10/0 | 9/13 17:55 | Received: | 10/10/13 | 14:21 | | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3J2247 | 10/16/13 | ,10/22/13 13:42 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | н | 11 | n | n. | 11 | u | |
| Acenaphthene | ND | 1.00 | н | н | н | " | 9 | u. | |
| Fluorene | ND | 0.100 | н | н | н | 11 | 17 | 11 | |
| Phenanthrene | ND | 0.100 | и | и | n | 11 | 11 | II | |
| Anthracene | ND | 0.0500 | 9 | п | н. | 11 | 11 | II. | |
| Fluoranthene | ND | 0.100 | 41 | 11 | п | 11 | 11 | 11° | |
| Pyrene | ND | 0.100 | 11 | н | н | 9 | н. | U ¹ | |
| Benzo (a) anthracene | ND | 0.0500 | 11 | 11 | II. | 11 | н | 11 | |
| Chrysene | ND | 0.100 | 17 | u. | R. | 11 | 11 | 1P | |
| Benzo (b) fluoranthene | ND | 0.100 | N | 11. | 90. ¹ | 11 | и | 1F | |
| Benzo (k) fluoranthene | ND | 0.0500 | н. | " | 11 | υ | 11 | D. | |
| Benzo (a) pyrene | ND | 0.0500 | 11 | 11 | 11 | 11 | 11 | 11 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 11 | 11 | n. | 1L | 14 | U. | |
| Benzo (g,h,i) perylene | ND | 0.100 | 11 | 11 | 11 | 11 | 14 | D | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | н | 11. | 11 | 11 | 11 | H. | |
| Surrogate: Decafluorobiphenyl | | 39.8 % | 30- | 115 | II | " | п | " | |
| C-B03-2-100913-BLK (1310169-10) Lid | uid Sampled | : 10/09/13 17 | :35 Rece | ived: 10/1 | 0/13 14:21 | | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3J2247 | 10/16/13 | 10/22/13 13:42 | EPA 8310 | |

| Naphthalene | ND | 0.500 | µg/L | 1 | B3J2247 | 10/16/13 | 10/22/13 13:42 | EPA 8310 | |
|-------------------------------|----|--------|-------|-----|---------|----------|----------------|----------|--|
| Acenaphthylene | ND | 1.00 | н | 14 | 11 | н | н | n | |
| Acenaphthene | ND | 1.00 | 8 | | 11 | н | н | n | |
| Fluorene | ND | 0.100 | н | 11 | 11 | н | 19 | " | |
| Phenanthrene | ND | 0.100 | м | н | 17 | п | 11 | n | |
| Anthracene | ND | 0.0500 | н | н | 11 | н | 11 | u - | |
| Fluoranthene | ND | 0.100 | м | н | W. | н | 11 | п 1 | |
| Pyrene | ND | 0.100 | н | 11 | 11 | н - | . " | II. | |
| Benzo (a) anthracene | ND | 0.0500 | н | н. | 17 | 0 | " | II. | |
| Chrysene | ND | 0.100 | н | 11 | W. | 11 | " | IT | |
| Benzo (b) fluoranthene | ND | 0.100 | н | 11 | 17 | 11, | " | н | |
| Benzo (k) fluoranthene | ND | 0.0500 | н | 11 | 11 | 11 | tt. | 11 | |
| Benzo (a) pyrene | ND | 0.0500 | | 17 | H. | 9 | n | н | |
| Dibenzo(a,h)anthracene | ND | 0.100 | · . n | 11. | N. | | n | н | |
| Benzo (g,h,i) perylene | ND | 0.100 | 11- | 0 | н | u. | н | и | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | U | 11 | 11 | n | н | н | |
| Surrogate: Decafluorobiphenyl | | 62.0 % | 30-1 | 15 | " | " | ". | II. | |



| | AMEC | Project: San Diego Airport (2013) | |
|---|-----------------------------|------------------------------------|----------------|
| | 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| • | San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:54 |

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|------------|----------------|------|--------------|-------|
| Batch B3J2242 - General Preparation | | | | | | | | | | • |
| Blank (B3J2242-BLK1) | | | | Prepared a | & Analyze | ed: 10/10/ | 13 | | | |
| Ammonia as N | ND | 0.100 | mg/L | | | | | | | |
| Biochemical Oxygen Demand | ND | 2,00 | 11 | | | | | | | |
| Chemical Oxygen Demand | ND | 0.100 | n | | | | | | | |
| Methylene Blue Active Substances | ND | 0.0500 | н | | | | | | | |
| Total Hardness | ND | 0,400 | 0 | | | | | | | |
| Total Suspended Solids | ND | 1.00 | 11 | | | | | | | |
| LCS (B3J2242-BS1) | | | | Prepared a | & Analyze | ed: 10/10/ | 13 | | | |
| Ammonia as N | 4,85 | 0.100 | mg/L | 5.00 | | 97.0 | 85-115 | | | |
| Biochemical Oxygen Demand | 206 | 2.00 | 11 | 198 | | 104 | 70-130 | | | |
| Chemical Oxygen Demand | 289 | 0.100 | н | 300 | | 96.3 | 85-115 | | | |
| Methylene Blue Active Substances | 0,440 | 0.0500 | и | 0.500 | | 88.0 | 85-115 | | | |
| Total Hardness | 97.4 | 0.400 | 0 | 100 | | 97.4 | 85-115 | | • | |
| Duplicate (B3J2242-DUP1) | Sou | urce: 131016 | 9-01 | Prepared | & Analyze | ed: 10/10/ | 13 | | | |
| Ammonia as N | 23.2 | 2.50 | mg/L | | 24.5 | | | 5.45 | 15 | |
| Biochemical Oxygen Demand | 198 | 2.00 | 11 | | 210 | | | 5.88 | 30 | |
| Chemical Oxygen Demand | 1060 | 0.100 | 11 | | 1100 | | | 3.70 | 15 | |
| Methylene Blue Active Substances | 0.510 | 0.0500 | н | | 0.480 | | | 6.06 | 15 | |
| Fotal Hardness | 350 | 0.400 | 11 | | 343 | | | 2.02 | 15 | |
| Total Suspended Solids | 100 | 1.00 | М | | 102 | | | 1.98 | 15 | |
| Matrix Spike (B3J2242-MS1) | So | urce: 131016 | 9-01 | Prepared | & Analyze | ed: 10/10/ | 13 | | | |
| Ammonia as N | 28.0 | 2.50 | ing/L | 5.00 | 24.5 | 70,0 | 70-130 | | | |
| Biochemical Oxygen Demand | . 390 | 2.00 | н | 198 | 210 | 90.9 | 70-130 | | | |
| Chemical Oxygen Demand | 1380 | 0.100 | н | 300 | 1100 | 93.3 | 70-130 | | | |
| Methylene Blue Active Substances | 1.04 | 0,0500 | n. | 0.500 | 0.480 | 112 | 70-130 | | | |
| Total Hardness | 432 | 0.400 | II. | 100 | 343 | 89,0 | 70-130 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [n | in Diego A one] nanda Arch | | 013) | | | Reporte 11/14/13 | |
|--|-----------|--------------------|----------|----------------------------------|------------------|----------|----------------|-----|----------------------------|-------|
| | Metals by | EPA 200 Se | eries M | ethods - Q | uality C | ontrol | | | | |
| | | Sierra Ar | alytica | ll Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J1044 - EPA 200 Series | | | | | | | | | | |
| Blank (B3J1044-BLK1) | | | | Prepared: | 10/10/13 | Analyzed | l: 10/15/13 | | | |
| luminum | ND | 25 | μg/L | | | | | | | |
| arsenic | ND | 3.0 | 0 | | | | | | | |
| Cadmium | ND | 2.0 | н | | | | | | | |
| Chromium | ND | 3.0 | 11 | | | | | | | |
| Copper | ND | 1.0 | | | | | | | | |
| ron | ND | 0.025 | mg/L | | | | | | | |
| ead | ND | 1.0 | μg/L | | | н. 1 | | | | |
| lickel | ND | 5.0 | 11 | | | | | | | |
| ilver | ND | 1.5 | 11 | | | | | | | |
| Linc | ND | 1.0 | 11 | | | | | | | |
| LCS (B3J1044-BS1) | | | | Prepared: | 10/10/13 | Analyzed | l: 10/15/13 | | | |
| luminum | 95.4 | 25 | μg/L | 100 | | 95.4 | 85-115 | | | |
| rsenic | 85.6 | 3.0 | n | 100 | | 85.6 | 85-115 | | | |
| Cadmium | 103 | 2.0 | в | 100 | | 103 | 85-115 | | | |
| Chromíum | 114 | 3.0 | н | 100 | | 114 | 85-115 | | | |
| Copper | 107 | 1.0 | н | 100 | | 107 | 85-115 | | | |
| ron | 0.103 | 0.025 | mg/L | 0.100 | | 103 | 85-115 | | | |
| ead | 85.6 | 1.0 | μg/L | 100 | | 85.6 | 85-115 | | | |
| lickel | 94.3 | 5.0 | н | 100 | | 94.3 | 85-115 | | | |
| liver | 107 | 1.5 | н | 100 | | 107 | 85-115 | | | |
| Line | 85.2 | 1.0 | н | 100 | | 85.2 | 85-115 | | | |
| Aatrix Spike (B3J1044-MS1) | So | urce: 131016 | 9-10 | Prepared: | 10/10/13 | Analyzed | l: 10/15/13 | | | |
| luninum | 92.8 | 25 | μg/L | 100 | ND | 92.8 | 70-130 | | | |
| Arsenic | 102 | 3.0 | . н | 100 | ND | 102 | 70-130 | | | |
| Cadmium | 99.6 | 2.0 | н | 100 | ND | 99.6 | 70-130 | | | |
| Thromium | 103 | 3.0 | 11 | 100 | ND | 103 | 75-130 | | | |
| Copper | 110 | 1.0 | 11 | 100 | 0.30 | 110 | 70-130 | | | |
| ron | 0.102 | 0.025 | mg/L | 0.100 | ND | 102 | 70-130 | | | |
| lead | 78.6 | 1.0 | μg/L | 100 | ND | 78.6 | 70-130 | | | |
| lickel | 95.1 | 5.0 | n | 100 | ND | 95.1 | 70-130 | | | |
| ilver | 105 | 1.5 | н | 100 | ND | 105 | 70-130 | | | |
| Linc | 90.7 | 1.0 | n. | 100 | ND | 90.7 | 70-130 | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [n | n Diego Ai one] nanda Arche | | 013) | | 5 | Reporte 11/14/13 | |
|--|-------------|--------------------|----------|-----------------------------------|------------------|-----------|----------------|-------|----------------------------|-------|
| | Metals by l | EPA 200 Se | eries M | ethods - Qı | uality Co | ontrol | | | | |
| • | | Sierra An | alytica | ul Labs, In | ıc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J1044 - EPA 200 Series | | | | in . | | | | | | |
| Matrix Spike Dup (B3J1044-MSD1) | Sou | rce: 131016 | 9-10 | Prepared: | 10/10/13 | Analyzed: | 10/15/13 | | | |
| Aluminum | 95.4 | 25 | μg/L | 100 | ND | 95.4 | 70-130 | 2.76 | 30 | |
| Arsenic | 81.9 | 3.0 | н | 100 | ND | 81.9 | 70-130 | 21.9 | 30 | |
| Cadmium | 102 | 2.0 | n | 100 | ND | 102 | 70-130 | 2.38 | 30 | |
| Chromium | 102 | 3.0 | n | 100 | ND | 102 | 75-130 | 0.976 | 30 | |
| Copper | 109 | 1.0 | 11 | 100 | 0.30 | 109 | 70-130 | 0.913 | 30 | |
| Iron | 0.0967 | 0.025 | mg/L | 0.100 | ND | 96.7 | 70-130 | 5,33 | 30 | |
| Lead | 85.8 | 1.0 | μg/L | 100 | ND | 85,8 | 70-130 | 8.76 | 30 | |
| Nickel | 104 | 5.0 | 91 | 100 | ND | 104 | 70-130 | 8,94 | 30 | |
| Silver | 104 | 1.5 | 8 | 100 | ND | 104 | 70-130 | 0.957 | 30 | |
| Zinc | 111 | 1.0 | 11 | 100 | ND | 111 | 70-130 | 20.1 | 30 | |
| Batch B3J1045 - EPA 200 Series | | | | | | | | | | |
| Blank (B3J1045-BLK1) | | | | Prepared: | 10/10/13 | Analyzed: | 10/16/13 | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | | | | | | |
| LCS (B3J1045-BS1) | | | | Prepared: | 10/10/13 | Analyzed: | 10/16/13 | | | |
| Hexavalent Chromium | 0.00294 | 0.0020 | mg/L | 0.00300 | | 98.0 | 85-115 | | | |
| Matrix Spike (B3J1045-MS1) | Sou | irce: 131016 | 9-10 | Prepared: | 10/10/13 | Analyzed: | 10/16/13 | | | |
| Hexavalent Chromium | 0.00262 | 0.0020 | mg/L | 0.00300 | ŊD | 87.3 | 80-120 | | | |
| Matrix Spike Dup (B3J1045-MSD1) | Sou | ırce: 131016 | 9-10 | Prepared: | 10/10/13 | Analyzed: | 10/16/13 | | | |
| Hexavalent Chromium | 0.00313 | 0.0020 | mg/L | 0.00300 | ND | 104 | 80-120 | 17.7 | 20 | |
| Batch B3J1107 - EPA 200 Series | | | | | | , | | | | |
| Blank (B3J1107-BLK1) | | , | | Prepared: | 10/11/13 | Analyzed: | 10/17/13 | | | |
| Mercury | ND | 0.00030 | mg/L | · · · | | | | | | |

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



Г

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Metals by I | Project Nur Project Mar | mber: [n iager: A | manda Arch | enhold | | | | Reporte 11/14/13 1 | |
|--|-------------|----------------------------|----------------------|----------------|------------------|----------|----------------|------|------------------------------|-------|
| | | Sierra An | alytic | al Labs, Iı | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J1107 - EPA 200 Series | | | | | | | | | | |
| LCS (B3J1107-BS1) | | | | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Mercury | 0.00103 | 0.00030 | mg/L | 0.00100 | | 103 | 75-125 | | | |
| Matrix Spike (B3J1107-MS1) | Sou | rce: 131014 | 6-01 | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Mercury | 0.00096 | 0.00030 | mg/L | 0.00100 | 0.00007 | 89.0 | 75-125 | | | |
| Matrix Spike Dup (B3J1107-MSĐ1) | Sou | rce: 131014 | 6-01 | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Mercury | 0.00097 | 0.00030 | mg/L | 0.00100 | 0.00007 | 90.0 | 75-125 | 1.04 | 20 | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur | nber: [n | in Diego Ai one] nanda Arche | • • | 013) | | | Reporte 11/14/13 1 | |
|---|--|---|-------------------------------|--|----------|--|--|-------|------------------------------|-------|
| Met | als (Dissolved | • | | ies Method 1] Labs, In | - | lity Contr | ol | | | |
| | | Reporting | | Spike | Source | | %REC | ····· | RPD | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B3J1048 - EPA 200 Series | | | | | | | • | | • | |
| Blank (B3J1048-BLK1) | | | | Prepared: | 10/10/13 | Analyzed: | 10/16/13 | | r | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | | | | | | |
| LCS (B3J1048-BS1) | | | | Prepared | 10/10/13 | Analyzed: | 10/16/13 | | | |
| Hexavalent Chromium | 0.00279 | 0,0020 | mg/L | 0.00300 | 10/10/10 | 93.0 | 85-115 | | | |
| | | 101010 | | . | 10/10/10 | | 10/16/10 | | | |
| Matrix Spike (B3J1048-MS1) Hexavalent Chromium | 0.00298 | rce: 1310169 0.0020 | 9-08 mg/L | 0.00300 | ND | Analyzed: 99.3 | 80-120 | | | |
| Hexavalent Chroinium | 0.00298 | 0.0020 | ing/L | 0.00300 | ND | 99.5 | 80-120 | | | |
| Matrix Spike Dup (B3J1048-MSD1) | Sou | rce: 1310169 | 9-08 | Prepared: | 10/10/13 | Analyzed: | 10/16/13 | | · . | |
| Batch B3J1105 - EPA 200 Series | | | | · · · · · | 10/11/10 | | 10/15/10 | | | |
| Blank (B3J1105-BLK1) Arsenic | ND | 3.0 | μg/L | Prepared: | 10/11/13 | Analyzed: | 10/15/13 | | | |
| Cadmium | ND | 2.0 | μg/L " | | | | | | | |
| Chromium | ND | 3.0 | n | | | | | | | |
| Copper | ND | 1.0 | n | | | | | | | |
| Lead | ND | 2.0 | п | | | | | | | |
| Nickel | ND | 5.0 | 11 | | | | | | | |
| | | | | | | | | | | |
| | ND | 1.5 | n | | | | | | | |
| Silver | ND ND | 1.5 1.0 | н | | | | • | | | |
| Silver Zinc | | | | Prepared: | 10/11/13 | Analyzed | 10/15/13 | | | |
| Silver Zinc LCS (B3J1105-BS1) | | | μg/L | 100 | 10/11/13 | Analyzed: 104 | 10/15/13 85-115 | | | |
| Silver Zinc LCS (B3J1105-BS1) Arsenic | ND | 1.0 | " μg/L " | - | 10/11/13 | | 85-115 85-115 | | | |
| Silver Zinc LCS (B3J1105-BS1) Arsenic Cadmium | ND 104 110 102 | 1.0 3.0 2.0 3.0 | н µg/L п | 100 100 100 | 10/11/13 | 104 110 102 | 85-115 85-115 85-115 | | | |
| Silver Zinc LCS (B3J1105-BS1) Arsenic Cadmium Chromium | ND 104 110 102 115 | 1.0 3.0 2.0 3.0 1.0 | н µg/L п п | 100 100 100 100 | 10/11/13 | 104 110 102 115 | 85-115 85-115 85-115 85-115 | | | |
| Silver Zinc LCS (B3J1105-BS1) Arsenic Cadmium Chromium Copper Lead | ND 104 110 102 115 107 | 1.0 3.0 2.0 3.0 1.0 2.0 | н µg/L п п п | 100 100 100 100 100 | 10/11/13 | 104 110 102 115 107 | 85-115 85-115 85-115 85-115 85-115 | | | |
| Silver Zinc LCS (B3J1105-BS1) Arsenic Cadmium Chromium Copper Lead Nickel | ND 104 110 102 115 107 109 | 1.0 3.0 2.0 3.0 1.0 2.0 5.0 | н µg/L п п п п | 100 100 100 100 100 100 | 10/11/13 | 104 110 102 115 107 109 | 85-115 85-115 85-115 85-115 85-115 85-115 | | | |
| Silver Zinc LCS (B3J1105-BS1) Arsenic Cadmium Chromium Copper Lead Nickel Silver Zinc | ND 104 110 102 115 107 | 1.0 3.0 2.0 3.0 1.0 2.0 | н µg/L п п п | 100 100 100 100 100 | 10/11/13 | 104 110 102 115 107 | 85-115 85-115 85-115 85-115 85-115 | | | |



LCS (B3J1108-BS1)

Mercury

| AMEC 9177 Sky Park Court Suite A | Project: Project Number: | San Diego Airport (2013) [none] | Reported: |
|-------------------------------------|------------------------------|------------------------------------|----------------|
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:54 |
| Met | als (Dissolved) by EPA 200 S | Series Methods - Quality Control | |

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------------|-----------|----------|----------|-------------|-----------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B3J1105 - EPA 200 Series | | | | | | | | | | |
| Matrix Spike (B3J1105-MS1) | Sot | irce: 131016 | 9-01 | Prepared: | 10/11/13 | Analyzed | 1: 10/15/13 | | | |
| Arsenic | 89.7 | 3.0 | μg/L | 100 | ND | 89.7 | 70-130 | | | |
| Cadmium | 104 | 2.0 | | 100 | ND | 104 | 70-130 | | | |
| Chromium | 112 | 3.0 | н | 100 | 3.1 | 109 | 70-130 | | | |
| Copper | 1420 | 1.0 | н | 100 | 1400 | 20.0 | 70-130 | | | QM-0 |
| Lead | 208 | 2.0 | н | 100 | 140 | 68.0 | 70-130 | | | QM-0 |
| Nickel | 166 | 5.0 | н | 100 | 44 | 122 | 70-130 | | | |
| Silver | 112 | 1.5 | н | 100 | ND | 112 | 70-130 | | | |
| Zinc | 1250 | 1.0 | н | 100 | 1300 | NR | 70-130 | | | QM-0 |
| Matrix Spike Dup (B3J1105-MSD1) | So | urce: 131016 | Ə-01 | Prepared: | 10/11/13 | Analyzed | l: 10/15/13 | | | |
| Arsenic | 104 | 3.0 | μg/L | 100 | ND | 104 | 70-130 | 14.8 | 30 | |
| Cadmium | 102 | 2.0 | н | 100 | ND | 102 | 70-130 | 1.94 | 30 | |
| Chromíum | 110 | 3.0 | 11 | 100 | 3.1 | 107 | 70-130 | 1.80 | 30 | |
| Copper | 1360 | 1.0 | 11. | 100 | 1400 | NR | 70-130 | 4.32 | 30 | QM-0 |
| Lead | 211 | 2.0 | u. | 100 | 140 | 71.0 | 70-130 | 1.43 | 30 | |
| Nickel | 170 | 5.0 | 11 | 100 | 44 | 126 | 70-130 | 2.38 | 30 | |
| Silver | 109 | 1.5 | 11 | 100 | ND | 109 | 70-130 | 2.71 | 30 | |
| Zinc | 1180 | 1.0 | 11 | 100 | 1300 | NR | 70-130 | 5.76 | 30 | QM-0 |
| Batch B3J1108 - EPA 200 Series | | | | | | | | . <u></u> | | |
| Blank (B3J1108-BLK1) | | | | Prepared: | 10/11/13 | Analyzed | l: 10/17/13 | | | |
| Mercury | ND | 0.00073 | mg/L | | | | | - | | |

Prepared: 10/11/13 Analyzed: 10/17/13

104

80-120

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

0.00104

0.00073

mg/L

0.00100



| Project: San Diego Airport (2013) | |
|------------------------------------|------------------------|
| Project Number: [none] | Reported: |
| Project Manager: Amanda Archenhold | 11/14/13 10:54 |
| | Project Number: [none] |

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|---------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| | Roburt | | | | | , inche | Linito | | - Califit | |
| Batch B3J1108 - EPA 200 Series | | | | | | | | | | |
| Matrix Spike (B3J1108-MS1) | Sou | rce: 131016 | 9-01 | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Mercury | 0.00128 | 0.00073 | mg/L | 0,00100 | ND | 128 | 80-120 | | | QM-0 |
| Matrix Spike Dup (B3J1108-MSD1) | Sou | rce: 131016 | 9-01 | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Mercury | 0.00124 | 0.00073 | mg/L | 0.00100 | ND | 124 | 80-120 | 3.17 | 20 | OM-0 |



| AMEC | Project: S | San Diego Airport (2013) | |
|-----------------------------|------------------|--------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: | [none] | Reported: |
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:54 |
| | | | |

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|--------------------|-------|----------------|------------------|----------|----------------|-----|--------------|-------|
| ······································ | | | | Lotor | robuit | , indee | | | Linit | Notes |
| Batch B3J1802 - EPA 3510C Sep F | unnel | | | | | | | | | |
| Blank (B3J1802-BLK1) | | | | Prepared: | 10/17/13 | Analyzed | : 10/18/13 | | | |
| Aldrin | ND | 0.075 | μg/L | | | | | | | |
| PCB-1016 | ND | 0.50 | 11 | | | | | | | |
| HCH-alpha | ND | 0.010 | II. | | | | | | | |
| PCB-1221 | ND | 0.50 | 11 | | | | | | | |
| HCH-beta | ND | 0.050 | н. | | | | | | | |
| PCB-1232 | ND | 0.50 | н | | | | | | | |
| HCH-delta | ND | 0.10 | н | | | | | | | |
| PCB-1242 | ND | 0.50 | н | | | | | | | |
| HCH-gamma (Lindane) | ND | 0.20 | 0 | | | | | | | |
| PCB-1248 | ND | 0.50 | 9 | | | | | | | |
| Chlordane | ND | 0.050 | n | | | | | | | |
| PCB-1254 | ND | 0.50 | tt. | | | | | | | |
| 4,4´-DDD | ND | 0.010 | 11 | | | | | | | |
| PCB-1260 | ND | 0.50 | п | | | | | | | |
| 4,4′-DDE | ND | 0.010 | | | | | | | | |
| 4,4´-DDT | ND | 0.010 | 0 | | | | | | | |
| Dieldrin | ND | 0.020 | 0 | | | | | | | |
| Endosulfan I | ND | 0.020 | 0 | | | | | | | |
| Endosulfan II | ND | 0.050 | n | | | | | | | |
| Endosulfan sulfate | ND | 0,050 | н | | | | | | | |
| Endrin | ND | 0.10 | н | | | | | | | |
| Endrin aldehyde | ND | 0.050 | н | | | | | | | |
| Heptachlor | ND | 0.010 | н | | | | | | | |
| Heptachlor epoxide | ND | 0.010 | 0 | | | | | | | |
| Toxaphene | ND | 1.0 | н | | | | | | | |
| PCB-1016 | ND | 0.50 | n | | | | | | | |
| PCB-1221 | ND | 0.50 | н | | | | | | | |
| PCB-1232 | ND | 0.50 | н | | | | | | | |
| PCB-1242 | ND | 0.50 | 0 | | | | | | | |
| PCB-1248 | ND | 0.50 | п | | | | | | | |
| PCB-1254 | ND | 0.50 | п | | | | | | | |
| PCB-1260 | ND | 0.50 | n | | | | | | | |
| | | | " | 0.050 | | <u> </u> | | | | |
| Surrogate: Decachlorobiphenyl | 0.130 | | " | 0.250 | | 52.0 | 42-147 | | | |
| Surrogate: Tetrachloro-meta-xylene | 0.229 | | | 0.250 | | 91.6 | 42-147 | | | |
| Surrogate: Decachlorobiphenyl | 0.130 | | " | 0.250 | | 52.0 | 42-147 | | | |
| Surrogate: Tetrachloro-meta-xylene | 0.229 | | " | 0.250 | | 91.6 | 42-147 | | | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:54 |

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | . Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|----------|--------------------|-------|------------------|------------------|----------|----------------|-------|--------------|-------|
| Batch B3J1802 - EPA 3510C Sep | o Funnel | | | | | | | | · · · · | |
| LCS (B3J1802-BS1) | | | | Prepared: | 10/17/13 | Analyzed | : 10/18/13 | | | |
| Aldrin | 0.0740 | 0.075 | μg/L | 0.0800 | | 92.5 | 80-120 | | | |
| HCH-gamına (Lindane) | 0.0812 | 0.20 | н | 0.0800 | | 102 | 80-120 | | | |
| PCB-1260 | 2,14 | 0.50 | v | 2.00 | | 107 | 80-120 | | | |
| 4,4′-DDT | 0.184 | 0.010 | я. | 0.200 | | 92.0 | 80-120 | | | |
| Dieldrin | 0.180 | 0.020 | 19 | 0.200 | | 90.0 | 80-120 | | | |
| Heptachlor | 0.0837 | 0.010 | н | 0.0800 | | 105 | 80-120 | | | |
| LCS (B3J1802-BS2) | | | | Prepared: | 10/17/13 | Analyzed | : 10/18/13 | | | |
| Aldrin | 0.0857 | 0.075 | μg/L | 0.0800 | | 107 | 80-120 | | | |
| HCH-gamma (Lindane) | 0.0850 | 0.20 | .11 | 0.0800 | | 106 | 80-120 | | | |
| PCB-1260 | 2.24 | 0.50 | n | 2.00 | | 112 | 80-120 | | | |
| 4,4′-DDT | 0.174 | 0.010 | 'n | 0.200 | | 87.0 | 80-120 | | | |
| Dieldrin | 0.176 | 0.020 | ц | 0.200 | | 88.0 | 80-120 | | | |
| Heptachlor | 0.0802 | 0.010 | n | 0.0800 | | 100 | 80-120 | | | |
| LCS Dup (B3J1802-BSD1) | | | | Prepared: | 10/17/13 | Analyzed | : 10/18/13 | | | |
| Aldrin | 0.0824 | 0.075 | μg/L | 0.0800 | | 103 | 80-120 | 10.7 | 30 | |
| HCH-gamma (Lindane) | 0.0804 | 0.20 | н | 0.0800 | | 100 | 80-120 | 0.990 | 30 | |
| PCB-1260 | 2.33 | 0.50 | л | 2.00 | | 116 | 80-120 | 8.50 | 30 | |
| 4,4′-DDT | 0.190 | 0.010 | II. | 0.200 | | 95.0 | 80-120 | 3.21 | 30 | |
| Dieldrin | 0.172 | 0.020 | 11 | 0.200 | | 86,0 | 80-120 | 4,55 | 30 | |
| Heptachlor | 0.0821 | 0.010 | 11 | 0.0800 | | 103 | 80-120 | 1.93 | 30 | |



| | AMEC | Project: | San Diego Airport (2013) | |
|---|-----------------------------|------------------|--------------------------|----------------|
| I | 9177 Sky Park Court Suite A | Project Number: | [none] | Reported: |
| l | San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:54 |

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-----------------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch B3J1729 - EPA 3510C Sep | Funnel | | | | | | | | | |
| Blank (B3J1729-BLK1) | | | | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | | | | | | | |
| Jet-A | ND | 0.050 | 11 | | | | | | | |
| Oil Range Organics (C22-C36) | ND | 0.050 | н | | | | | | | |
| Surrogate: o-Terphenyl | 0.0248 | | " | 0.0250 | | 99.2 | 60-175 | | | |
| Surrogate: o-Terphenyl | 0.0248 | | 11 | 0.0250 | | <i>99.2</i> | 60-175 | | | |
| Surrogate: o-Terphenyl | 0.0248 | | II ^e | 0.0250 | | 99.2 | 60-175 | | | |
| LCS (B3J1729-BS1) | | | | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Diesel Range Organics (C10-C24) | 0.439 | 0.050 | mg/L | 0.500 | | 87.8 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.439 | 0.050 | n | 0.500 | | 87.8 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.439 | 0.050 | н | 0.500 | | 87.8 | 80-120 | | | |
| LCS (B3J1729-BS2) | | | | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Diesel Range Organics (C10-C24) | 0.458 | 0.050 | mg/L | 0,500 | | 91.6 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.458 | 0.050 | . 0 | 0.500 | | 91.6 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.458 | 0.050 | 11 [.] | 0.500 | | 91.6 | 80-120 | | | |
| LCS Dup (B3J1729-BSD1) | | | | Prepared: | 10/11/13 | Analyzed | : 10/17/13 | | | |
| Diesel Range Organics (C10-C24) | 0.462 | 0.050 | mg/L | 0.500 | | 92.4 | 80-120 | 5.11 | 30 | |
| Diesel Range Organics (C10-C24) | 0.462 | 0.050 | D | 0.500 | | 92.4 | 80-120 | 5.11 | 30 | |
| Diesel Range Organics (C10-C24) | 0.462 | 0.050 | n | 0.500 | | 92.4 | 80-120 | 5.11 | 30 | |



| AMEC | Project: San Diego Airport (2013 | 3) |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:54 |

Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

| Sierra | Analytical | Labs. | Inc. |
|--------|------------------|--------|--------|
| DIVITA | <i>many</i> tran | 1.403, | ****** |

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-----|--------------|-------|
| Batch B3J2247 - EPA 3510C Sep | Funnel | | | • | | | | | | |
| Blank (B3J2247-BLK1) | | | | Prepared: | 10/16/13 | Analyzed | : 10/22/13 | | | |
| Naphthalene | ND | 0.500 | μg/L | | | | | | | |
| Acenaphthylene | ND | 1.00 | u | | | | | | | |
| Acenaphthene | ND | 1.00 | 11 | | | | | | | |
| luorene | ND | 0.100 | н | | | | | | | |
| Phenanthrene | ND | 0.100 | н | | | | | | | |
| Anthracene | ND | 0.0500 | N. | | | | | | | |
| luoranthene | ND | 0.100 | ** | | | | | | | |
| yrene | ND | 0.100 | 11 | | | | | | | |
| Benzo (a) anthracene | ND | 0.0500 | 'n | | | | | | | |
| Chrysene | ND | 0.100 | н | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.100 | и | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.0500 | U | | | | | | | |
| Benzo (a) pyrene | ND | 0.0500 | 11 | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 11 | | | | | | | |
| Benzo (g,h,i) perylene | ND | 0.100 | н | | | | | | | |
| ndeno (1,2,3-cd) pyrene | ND | 0.100 | п | | | | | | | |
| Surrogate: Decafluorobiphenyl | 5.32 | • | -11 | 5.00 | | 106 | 30-115 | | | |
| LCS (B3J2247-BS1) | | | | Prepared: | 10/16/13 | Analyzed | : 10/22/13 | | | |
| Naphthalene | 0.541 | 0.500 | μg/L | 0,500 | | 108 | 60-130 | | | |
| luorene | 0.569 | 0.100 | п | 0.500 | | 114 | 60-130 | | | |
| yrene | 0.485 | 0.100 | н | 0.500 | | 97.0 | 60-130 | | | |
| Benzo (a) pyrene | 0.499 | 0.0500 | n. | 0.500 | | 99.8 | 60-130 | | | |
| ndeno (1,2,3-cd) pyrene | 0.421 | 0.100 | II. | 0.500 | | 84.2 | 60-130 | | | |
| LCS (B3J2247-BS2) | | | | Prepared: | 10/16/13 | Analyzed | : 10/22/13 | | | |
| Naphthalene | 0.598 | 0.500 | µg/L | 0.500 | | 120 | 60-130 | | | |
| Fluorene | 0.602 | 0.100 | - 11 | 0.500 | | 120 | 60-130 | | | |
| Pyrene | 0.452 | 0.100 | 11 | 0.500 | | 90.4 | 60-130 | | | |
| Benzo (a) pyrene | 0.489 | 0.0500 | 11 | 0.500 | | 97.8 | 60-130 | | | |
| ndeno (1,2,3-cd) pyrene | 0.405 | 0.100 | 11 | 0.500 | | 81.0 | 60-130 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:54 |

Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch B3J2247 - EPA 3510C Sep | Funnel | - | | | | | | | | |
| LCS Dup (B3J2247-BSD1) | | | | Prepared: | 10/16/13 | Analyzed | I: 10/22/13 | | | |
| Naphthalene | 0.557 | 0.500 | μg/L | 0.500 | | 111 | 60-130 | 2.91 | 30 | |
| Fluorene | 0.519 | 0.100 | н | 0.500 | | 104 | 60-130 | 9.19 | 30 | |
| Pyrene | 0.498 | 0.100 | н | 0.500 | | 99.6 | 60-130 | 2.64 | 30 | |
| Benzo (a) pyrene | 0.503 | 0.0500 | н | 0.500 | | 101 | 60-130 | 0.798 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.544 | 0.100 | 11 | 0.500 | | 109 | 60-130 | 25,5 | 30 | |



Г

| AMEC | r | Project: | San Diego Airport (2013) | | | | |
|----------|---|---------------------------------|--|---------------------|--|--|--|
| 9177 Sky | Project Number: [none] Rep | | | | | | |
| San Dieg | o CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:54 | | | |
| | | Notes and De | finitions | | | | |
| D-42 | Sample non-detect (ND) for requ | ested fuel type. Other hydrocar | bons may be present. | | | | |
| QM-07 | The spike recovery was outside a recovery. | acceptance limits for the MS an | d/or MSD. The batch was accepted based | l on acceptable LCS | | | |
| S-07 | Surrogate recovery outside of control limits due to coelution with high levels of petroleum hydrocarbons. | | | | | | |
| DET | Analyte DETECTED | | | | | | |
| ND | Analyte NOT DETECTED at or above the reporting limit | | | | | | |
| NR | Not Reported | | | | | | |
| dry | . Sample results reported on a dry weight | basis | | | | | |
| RPD | Relative Percent Difference | | | | | | |
| | | | | | | | |



8100 Secura Way • Santa Fe Springs, CA 90670 Telephone (562) 347-2500 • Fax (562) 907-3610

October 18, 2013

Nick Forsyth Sierra Analytical Labs, Inc. 26052 Merit Circle, Ste. 104 Laguna Hills, CA 92653

Re: PTS File No: 43667 Physical Properties Data 1310169

Dear Mr. Forsyth:

Please find enclosed report for Physical Properties analyses conducted upon the sample received from your 1310169 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The sample is currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the sample will be disposed of at that time. You may contact me regarding storage, disposal, or return of the sample.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please contact Morgan Richards at (562) 347-2509.

Sincerely, PTS Laboratories, Inc.

Michael Mark Brady, P.G. District Manager

Encl.

PTS Laboratories

Project Name: Project Number:

N/A 1310169

TEST PROGRAM - 20131011

PTS File No: 43667 Client: Sierra Analytical Labs, Inc.

| | | | | Particle | | |
|--|----------|------|-------|------------|--|---|
| FLUID ID | Date | Time | Fluid | Size: | | |
| | | | Type | Microsize | | |
| Method: | | | | ASTM D4464 | | |
| Date Received: 20131011 | | | | | | |
| S-B06-12-100913 (1310169-09) 20131009 1755 | 20131009 | 1755 | Water | X | | |
| TOTALS: | | | | 1 | | 1 |
| I aboratory Test Program Notes | s | | | Ē | | |

Standard TAT for basic analysis is 5 business days.

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc. PTS File No: 43667

PARTICLE SIZE SUMMARY (METHODOLOGY: ASTM D4464M)

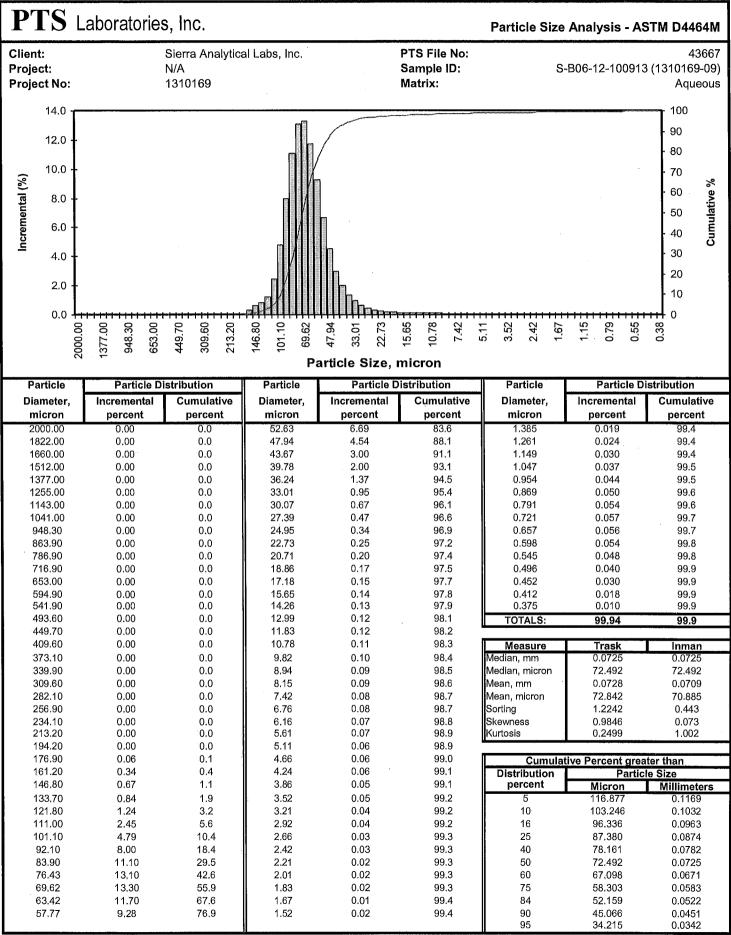
PROJECT NAME: PROJECT NO:

N/A 1310169

| | | Median Grain Size | | | | | Distributio | RCENT G | IULATIVE PERCENT GREATER THAN Distribution percent microns | HAN | | | |
|------------------------------|---------|----------------------|---------|---------|--------|--------|-------------|---------|---|--------|--------|--------|--------|
| Sample ID | Matrix | micron (1) | 5% | 10% | 16% | 25% | 40% | 50% | 60% | 75% | 84% | 80% | 95% |
| S-B06-12-100913 (1310169-09) | Aqueous | 72.492 | 116.877 | 103,246 | 96.336 | 87.380 | 78.161 | 72.492 | 67.098 | 58.303 | 52.159 | 45.066 | 34.215 |

(1) Based on Trask Median

Page 1 of 2



Fax: (562) 907-3611 Page 2 of 2



SUBCONTRACT ORDER Sierra Analytical Labs, Inc. Sierra Proiect #: 1310169



| SENDING LABORATORY: | ichen ander Marken ander ander | naam stiin ferder syn de sen verste fan de ferder in ste de de de se | NG SEGMAN DI CHART PRIMO DI NATIONA DI SEGMANDA DI CHART | Comments RECEIVING LABORATORY: |
|---|--------------------------------|--|--|--|
| Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 Laboratory Contact: Nick Forsyth | | Tum Around Mon Time Requested: 48H | Jour 🛄 72 Hour | PTS Laboratories 8100 Secura Way Santa Fe Springs, CA 90670 Phone : (562) 907-3607 Fax: (562) 907-3610 |
| Analysis | Expires | Sampled: | Laboratory ID | Comments |
| Sample ID: S-B06-12-100913 (1310169-09) | Liquid | 10/09/13 17:55 | | |
| Full Particle Sizing | 04/07/14 | 17:55 | <u>,,,,, ,</u> | |
| Containers Supplied: 1L Amber (C) | | | | |

÷ ,

1

| Special Instructions : | | | le No.12 αι "ΠΜ(Ρ((α.)) - 5° Υ - 0,2° αντίναι: -1.Vα(Πζάτικγ |
|------------------------|------------------------------------|-------------|--|
| Relinquished By | <u>IU(11/13@13:70</u> Date/Time | Received By | <u>10/11/13</u> 13:30 Date/Time |
| Relinquished By | Date / Time | Received By | Date / Time |
| Relinquished By | Date / Time | Received By | Date / Time |



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

 Report Date:
 10/25/13 10:32

 Received Date:
 10/11/13 13:57

 Turnaround Time:
 Normal

Phones: (949) 348-9389 Fax: (949) 348-9115

P.O. #:

Attn: Nick Forsyth

Project: 1310169

Client: Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653

Dear Nick Forsyth :

Enclosed are the results of analyses for samples received 10/11/2013 with the Chain of Custody document. The samples were received in good condition, at 5.0 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

| Lab Sample ID: 3J11083-01 Sampled by: Client | Sample ID Sampled: | | C-B08-8-10(/13 17:12 | 0913 (1310/ | 169-05) | | | | Ма | trix: Water |
|---|-----------------------|-----|--------------------------|-------------|---------|-----------|----------|----------------|---------|--------------|
| Analyte | Result | MDL | MRL | Units | Dil | Method | Prepared | Analyzed | Batch | Qualifier |
| Ethylene glycol | ND | | 10 | mg/l | 1 | EPA 8015B | 10/18/13 | 10/18/13 18:30 | W3J0985 | |
| Propylene glycol | ND | | 20 | mg/l | 1 | EPA 8015B | 10/18/13 | 10/18/13 18:30 | W3J0985 | |
| Lab Sample ID: 3J11083-02 | Sample ID |); | S-B06-12-1 | 00913 (131) | 0169-09 | | ·····. | | Ma | atrix: Water |

| Sampled by: Client | Sampled | : 10/09/ | 13 17:55 | • | | , | | | | |
|--------------------|---------|----------|----------|-------|-----|-----------|----------|----------------|---------|-----------|
| Analyte | Result | MDL | MRL | Units | Dil | Method | Prepared | Analyzed | Batch | Qualifier |
| Ethylene glycol | ND | | 10 | mg/l | 1 | EPA 8015B | 10/18/13 | 10/18/13 15:41 | W3J0985 | |
| Propylene glycol | ND | | 20 | mg/l | 1 | EPA 8015B | 10/18/13 | 10/18/13 15:41 | W3J0985 | |



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W3J0985 - EPA 8015B

| Blank (W3J0985-BLK1) | | | | | Prepared: 10/ | '18/13 An | alyzed: 10/18 | /13 13:19 | |
|---------------------------------|------------------|------------------------|-----------|-------|----------------|-----------|----------------|------------|--------------|
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | | ND | | mg/l | | | | | |
| Propylene glycol | | ND | | mg/l | | | | | |
| LCS (W3J0985-BS1) | | | | | Prepared: 10/ | /18/13 An | alyzed: 10/18 | 8/13 13:47 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | | 66.0 | | mg/l | 100 | 66 | 46-129 | | |
| Matrix Spike (W3J0985-MS1) | So | urce; 3 31108 3 | 3-01 | | Prepared: 10/ | 18/13 An | alyzed: 10/18 | 8/13 14:16 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | ND | 83.3 | | mg/l | 100 | 83 | 57-127 | | |
| Matrix Spike Dup (W3J0985-MSD1) | So | urce: 3J1108 | 3-01 | | Prepared: 10/ | /18/13 An | alyzed: 10/18 | 8/13 14:45 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | ND | 76.2 | | mg/l | 100 | 76 | 57-127 | 9 | 25 |

Page 2 of 3



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL). For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature Contact: Kim G Tu (Project Manager)







FLAP # 1132 LACSD # 10143

NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

| ŇD | NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL). |
|-----|--|
| Sub | Subcontracted analysis, original report enclosed. |
| DL | Method Detection Limit |
| RL | Method Reporting Limit |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| | |

Page 3 of 3

Second Storm Event



14 November 2013

Amanda Archenhold AMEC 9177 Sky Park Court Suite A San Diego, CA 92123

RE:San Diego Airport Work Order No.: 1310383

Attached are the results of the analyses for samples received by the laboratory on 10/29/13 04:35.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

and R. Fosyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.

| AMEC | Project: San Diego Airport | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 11:21 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| C-B08-8-102913 | 1310383-01 | Liquid | 10/29/13 02:47 | 10/29/13 04:35 |
| C-B09-10B-102913 | 1310383-02 | Liquid | 10/29/13 03:06 | 10/29/13 04:35 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



Total Coliforms

Г

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | | oject: San mber: [non lager: Ama | e] | - | | | Reported 11/14/13 1 | |
|--|----------------------|---------------------|--|------------|--------------|---------------|---------------------|-------------------------------|-------|
| Γ | Aicrobiological S | Parame Sierra An | • | | | Method | S | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B08-8-102913 (1310383-01) Liquid | Sampled: 10/29/13 | 3 02:47 R | eceived: 1 | 0/29/13 04 | 4:35 | • | | | |
| Enterococcus Fecal Coliforms | 5 <1 | 1 C 1.0 | FU/100 mL | 1 | B3J2944 " | 10/29/13 " | 10/29/13 05:30 " | SM 9230C SM 9222D | |

C-B09-10B-102913 (1310383-02) Liquid Sampled: 10/29/13 03:06 Received: 10/29/13 04:35

6.0

| Enterococcus | 9000 | 100 | CFU/100 mL | 100 | B3J2944 | 10/29/13 | 10/29/13 05:30 | SM 9230C |
|-----------------|------|-----|------------|-----|---------|----------|----------------|----------|
| Fecal Coliforms | 50 | 1.0 | 17 | 1 | н | n | н | SM 9222D |
| Total Coliforms | 9000 | 100 | 18 | 100 | n | 11 | н | SM 9222B |

н

н

11

н

ņ

SM 9222B

1.0



. . . .

| AMEC | Project: San Diego Airport | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 11:21 |

Notes and Definitions

| _ND<1 | <1 |
|-------|--|
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

| 1 | | , Suite CA 92653 9389 15 | Bottle Count | 2 | \sim |
|--|-------------------|---|-----------------|--|---|
| | | <i>To:</i> Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hilis, CA 92653 Phone: (949) 348-9115 Fax: (949) 348-9115 | Preservative | 4°C + Tablet Preservative | 4°C + Tablet Preservative |
| | | | Bottle Size | 120 mL Plastic | 120 mL Plastic |
| <u>Analysis Request and Chain of Custody</u> | SAN DIEGO AIRPORT | | Time Analyses | Total Coliforms, Fecal Coliforms, Enterococcus $2.47~c_{\rm e}~{\cal M}$ | 3.06 $_{GM}$ Total Coliforms, Fecal Coliforms, Enterococcus |
| | | structure x: (858) 278-5300 | Date | 10/29/2013 | 10/29/203 |
| | | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | SampleID | @(c-B08-8 [024 [3 | 0) C-B09-10B 1024 13 |

Q 4,35am Date/Time: 10-29-13 Date/Time: 10 - 27 - 13 3 Received By Received By:__ Ŀ. m Page_ MW Date/Time: 10/29/ Date/Time: 10 23 Q Alczander Relinquished By Relinquished By:___ Sampler's Initials:

していて

Ì

1310363



14 November 2013

Amanda Archenhold AMEC 9177 Sky Park Court Suite A San Diego, CA 92123

RE:San Diego Airport (2013)

Work Order No.: 1310398

Attached are the results of the analyses for samples received by the laboratory on 10/29/13 13:50.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

- forth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.

A SULLARA

| Project: San Diego Airport (2013) | |
|------------------------------------|------------------------|
| Project Number: [none] | Reported: |
| Project Manager: Amanda Archenhold | 11/14/13 10:56 |
| | Project Number: [none] |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------|---------------|--------|----------------|----------------|
| C-B01-1A-102913 | 1310398-01 | Liquid | 10/29/13 03:30 | 10/29/13 13:50 |
| C-B03-2-102913 | 1310398-02 | Liquid | 10/29/13 03:55 | 10/29/13 13:50 |
| C-B05-4-102913 | 1310398-03 | Liquid | 10/29/13 03:45 | 10/29/13 13:50 |
| C-B06-5A-102913 | 1310398-04 | Liquid | 10/29/13 04:30 | 10/29/13 13:50 |
| С-В07-6-102913 | 1310398-05 | Liquid | 10/29/13 04:00 | 10/29/13 13:50 |
| C-B07-7-102913 | 1310398-06 | Liquid | 10/29/13 02:55 | 10/29/13 13:50 |
| C-B08-8-102913 | 1310398-07 | Liquid | 10/29/13 02:40 | 10/29/13 13:50 |
| C-B09-10B-102913 | 1310398-08 | Liquid | 10/29/13 03:00 | 10/29/13 13:50 |
| C-B12-9A-102913 | 1310398-09 | Liquid | 10/29/13 03:10 | 10/29/13 13:50 |
| C-B06-5A-102913-BLK | 1310398-10 | Liquid | 10/29/13 04:30 | 10/29/13 13:50 |
| C-B08-8-102913-DUP | 1310398-11 | Liquid | 10/29/13 02:40 | 10/29/13 13:50 |
| S-B06-12-102913 | 1310398-12 | Liquid | 10/29/13 03:20 | 10/29/13 13:50 |
| S-B06-12-102913 | 1310398-13 | Liquid | 10/29/13 08:57 | 10/29/13 13:50 |
| S-B06-12-102913 | 1310398-14 | Liquid | 10/29/13 03:20 | 10/29/13 13:50 |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |

Conventional Chemistry Parameters by APHA/EPA Methods

| Sierra Analytical Labs, Inc. | | | | | | | | | | | |
|-------------------------------------|-----------------|--------------------|-------------|-----------|---------|----------|----------------|-------------|-------|--|--|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | |
| C-B01-1A-102913 (1310398-01) Liquid | Sampled: 10/29 | 9/13 03:30 | Received: | 10/29/13 | 13:50 | | | • | | | |
| Ammonia as N | 0.370 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | | | |
| Biochemical Oxygen Demand | 11.4 | 2.00 | N | и | n | и | 11/03/13 15:15 | EPA 405.1 | | | |
| Chemical Oxygen Demand | 28.0 | 0.100 | 40. | U. | II . | u. | 10/29/13 15:15 | EPA 410.4 | | | |
| Specific Conductance (EC) | 97.0 | 0.100 | µmhos/cm | 11 | 10 | 9 | н | EPA 120.1 | | | |
| Total Hardness | 26.6 | 0.400 | mg/L | n | И | н | п | SM 2340 C | | | |
| Hexane Extractable Material (HEM) | ND | 2.00 | н | н | н | и | н | EPA 1664 | | | |
| Methylene Blue Active Substances | ND | 0.0500 | 0 | U. | , 11 | 0 | n | EPA 425.1 | | | |
| pH | 6.92 | 0.100 | pH Units | 11 · | н | н | U. | EPA 150.1 | | | |
| Total Suspended Solids | 10.0 | 1.00 | mg/L | н. | н | n | ". | EPA 160.2 | | | |
| C-B03-2-102913 (1310398-02) Liquid | Sampled: 10/29/ | 13 03:55 | Received: 1 | 0/29/13 1 | 3:50 | | | | | | |
| Ammonia as N | 8.10 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | | | |
| Biochemical Oxygen Demand | 88.0 | 2.00 | N | н | н | -11 | 11/03/13 15:15 | EPA 405.1 | | | |
| Chemical Oxygen Demand | 196 | 0.100 | и | н | н | н | 10/29/13 15:15 | EPA 410.4 | | | |
| Specific Conductance (EC) | 443 | 0.100 | µmhos/cm | 11. | п | II. | 11 | EPA 120.1 | | | |
| Total Hardness | 165 | 0.400 | mg/L | -11 | | 11 | н | SM 2340 C | | | |
| Hexane Extractable Material (HEM) | 2.90 | 2.00 | n | -11 | . 11 | n | 11. | EPA 1664 | | | |
| Methylene Blue Active Substances | 0.340 | 0.0500 | II. | n | 11 | 11 | н | EPA 425,1 | | | |
| pH | 6.40 | 0.100 | pH Units | 11 | 11 | 11 | łı | EPA 150.1 | | | |
| Total Suspended Solids | `86.0 | 1.00 | mg/L | -11 | . 11 | 11 | и | EPA 160.2 | | | |
| C-B05-4-102913 (1310398-03) Liquid | Sampled: 10/29/ | 13 03:45 | Received: 1 | 0/29/13 1 | 3:50 | | | | | | |
| Ammonia as N | 3.15 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | | | |
| Biochemical Oxygen Demand | 67.0 | 2.00 | н | 11 | -11 | 0 | 11/03/13 15:15 | EPA 405.1 | | | |
| Chemical Oxygen Demand | 168 | 0.100 | н | n | 11 | 11 | 10/29/13 15:15 | EPA 410.4 | | | |
| Specific Conductance (EC) | 236 | 0.100 | µmhos/cm | н | n | 11 | н | EPA 120.1 | | | |
| Total Hardness | 75.1 | 0.400 | mg/L | 8 | н | н | н | SM 2340 C | | | |
| Hexane Extractable Material (HEM) | 2.20 | 2,00 | 11 | n | 11 | 9 | 11- | EPA 1664 | | | |
| Methylene Blue Active Substances | 0.310 | 0,0500 | л | 97 | н | 11 | 11 | EPA 425.1 | | | |
| pH | 6.70 | 0.100 | pH Units | 9 | н | n | Л | EPA 150.1 | | | |
| Total Suspended Solids | 63.0 | 1.00 | mg/L | 9 | н. | It | 11 | EPA 160.2 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS,NET



| AMEC 9177 Sky Park Court Suite A | | Project Ni | roject: San umber: [non | e] | | 13) | | Reported: | |
|-------------------------------------|-----------------|--------------------|----------------------------|-----------|---------|-------------------------|----------------|-------------|-------|
| San Diego CA, 92123 | | Project Ma | nager: Ama | inda Arch | enhold | | | 11/14/13 10 | :56 |
| Co | nventional Ch | emistry l | Paramete | rs by A | PHA/EP | A Meth | ods | | |
| | | Sierra A | | - | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B06-5A-102913 (1310398-04) Liquid | Sampled: 10/2 | 9/13 04:30 | Received: | 10/29/13 | 13:50 | 4 n * ₁₀ 200 | | | |
| Ammonia as N | 0.850 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 195 | 2.00 | 11 | n | 11 | 11 | 11/03/13 15:15 | | |
| Chemical Oxygen Demand | 456 | 0.100 | н | | 11 | U. | 10/29/13 15:15 | | |
| Specific Conductance (EC) | 183 | 0.100 | µmhos/cm | n | 0 | U . | 11 | EPA 120.1 | |
| Fotal Hardness | 43.4 | 0.400 | ' mg/L | н | n | | 11 | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | n | и | n | | н | EPA 1664 | |
| Methylene Blue Active Substances | 0.280 | 0.0500 | н | n | 11 | н | 91 | EPA 425.1 | |
| H | 7.12 | 0.100 | pH Units | n | н | 11 | | EPA 150.1 | |
| Fotal Suspended Solids | 189 | 1.00 | mg/L | ñ | н | в | · 0 | EPA 160.2 | |
| C-B07-6-102913 (1310398-05) Liquid | Sampled: 10/29/ | 13 04:00 1 | Received: 1 | 0/29/13 1 | 3:50 | | | | |
| Ammonia as N | 4.40 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 67.0 | 2.00 | " | " | n | н | 11/03/13 15:15 | | |
| Chemical Oxygen Demand | 289 | 0.100 | -11 | " | n | 11 | 10/29/13 15:15 | | |
| Specific Conductance (EC) | 260 | 0.100 | µmhos/cm | 11 | п | н | | EPA 120.1 | |
| Fotal Hardness | 68.0 | 0.400 | mg/L | n | п | н | n | SM 2340 C | |
| Hexane Extractable Material (HEM) | 2.00 | 2.00 | 11 | 11 | н | u. | u | EPA 1664 | |
| Methylene Blue Active Substances | 0.270 | 0.0500 | 11 | 9 | Ð | n. | u. | EPA 425.1 | |
| ЪН | 6.44 | 0.100 | pH Units | n | n | 11 | н | EPA 150.1 | |
| Fotal Suspended Solids | 62.0 | 1.00 | mg/L | 11 | u. | н | P | EPA 160.2 | |
| C-B07-7-102913 (1310398-06) Liquid | Sampled: 10/29/ | 13 02:55 1 | Received: 1 | 0/29/13 1 | 3:50 | | | | |
| Ammonia as N | 4.45 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 71.8 | 2.00 | 11 | 9 | H. | 0 | 11/03/13 15:15 | EPA 405.1 | |
| Chemical Oxygen Demand | 184 | 0.100 | 11 | ñ | н | 11 | 10/29/13 15:15 | EPA 410.4 | |
| Specific Conductance (EC) | 166 | 0.100 | µmhos/cm | " | н | 0 | 11 | EPA 120.1 | |
| Fotal Hardness | 52,0 | 0.400 | mg/L | " | н | | и | SM 2340 C | |
| Hexane Extractable Material (HEM) | 3,30 | 2.00 | " | n | u. | н | n. | EPA 1664 | |
| Methylene Blue Active Substances | 0.390 | 0.0500 | " | н | u. | н | D | EPA 425.1 | |
| ЪН | 6.51 | 0.100 | pH Units | н | n | n | н | EPA 150.1 | |
| Fotal Suspended Solids | 69.0 | 1.00 | mg/L | Ħ | ri I | н | н | EPA 160.2 | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project N | roject: San umber: [nor mager: Ama | ne] | · · | 13) | | Reported 11/14/13 1 | |
|--|---------------|--------------------|--|------------|---------|----------|----------------|-------------------------------|------|
| | ventional C | | | | | A Meth | ods | | |
| | | Sierra A | | • | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B08-8-102913 (1310398-07) Liquid | Sampled: 10/2 | 9/13 02:40 | Received: 1 | 0/29/13 1 | 3:50 | | | | |
| Ammonia as N | 0.250 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 10.4 | 2.00 | 11 | n | 11 | 11 | I1/03/13 15:15 | EPA 405.1 | |
| Chemical Oxygen Demand | 28.0 | 0.100 | 11 | н | n | н | 10/29/13 15:15 | EPA 410.4 | |
| Specific Conductance (EC) | 164 | 0.100 | µ1nhos/cm | 11 | H. | н | 41 | EPA 120.1 | |
| Total Hardness | 58.2 | 0.400 | mg/L | P | 11 | н | н | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | 11 | н | п | .91 | u | EPA 1664 | |
| Methylene Blue Active Substances | ND | 0.0500 | W | н | н | п | u | EPA 425.1 | |
| pH | 7.05 | 0.100 | pH Units | н | 9 | 11 | 11 | EPA 150.1 | |
| Total Suspended Solids | 7.00 | 1.00 | mg/L | 11 | 17 | п | И | EPA 160,2 | |
| C-B09-10B-102913 (1310398-08) Liquid | I Sampled: 1 | 0/29/13 03:00 |) Received | l: 10/29/1 | 3 13:50 | | | | |
| Ammonia as N | 2.40 | 0.100 | ıng/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 53.0 | 2.00 | н | 0 | II. | н | 11/03/13 15:15 | EPA 405.1 | |
| Chemical Oxygen Demand | 280 | 0.100 | | n | 11 | U | 10/29/13 15:15 | EPA 410.4 | |
| Specific Conductance (EC) | 305 | 0.100 | µmhos/cm | н | 11 | II. | н | EPA 120.1 | |
| Total Hardness | 64.0 | 0.400 | mg/L | п | н | 11 | n | SM 2340 C | |
| Hexane Extractable Material (HEM) | 2.40 | 2.00 | U. | 0.1 | 11 | II. | U · | EPA 1664 | |
| Mcthylcne Blue Active Substances | 0.350 | 0.0500 | 11 | 9 | 11 | - 11 | н | EPA 425.1 | |
| pH | 6.98 | 0.100 | pH Units | н | 11 | u. | 11 | EPA 150.1 | |
| Total Suspended Solids | 51.0 | 1.00 | mg/L | п | n | u | н | EPA 160.2 | |
| C-B12-9A-102913 (1310398-09) Liquid | Sampled: 10 | /29/13 03:10 | Received | : 10/29/13 | 13:50 | | | | |
| Ammonia as N | 0.400 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 12.4 | 2.00 | н | п | .11 | н | 11/03/13 15:15 | EPA 405.1 | |
| Chemical Oxygen Demand | 77.0 | 0.100 | n | н | 11 | II | 10/29/13 15:15 | EPA 410.4 | |
| Specific Conductance (EC) | 170 | 0.100 | µmhos/cm | u | 11 | u | 11 | EPA 120.1 | |
| Total Hardness | 53.8 | 0.400 | mg/L | 11 | n | IT | и | SM 2340 C | • |
| Hexane Extractable Material (HEM) | ND | 2.00 | " | n | n | u | u | EPA 1664 | |
| Methylene Blue Active Substances | ND | 0,0500 | 9 | | н | u. | n | EPA 425.1 | |
| pH | 7.18 | 0.100 | pH Units | | 9 | н | 11 | EPA 150.1 | |
| Total Suspended Solids | 10.0 | 1.00 | mg/L | | n | u. | н | EPA 160.2 | |

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



pН

Total Suspended Solids

| AMEC | | Р | roject: San | Diego A | Airport (20 | 13) | | | |
|--------------------------------------|-------------|--------------------|-------------|-----------|-------------|----------|---------------|--------------|-------|
| 9177 Sky Park Court Suite A | | | umber: [nor | | 1 \ | , | | Reported: | |
| San Diego CA, 92123 | | Project Ma | mager: Ama | anda Arcl | nenhold | | | 11/14/13 10 | :56 |
| Conv | entional Cl | hemistry] | Paramete | rs by A | PHA/EP | A Meth | ods | | |
| | | Sierra A | nalytical | Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B06-5A-102913-BLK (1310398-10) Liq | uid Sampled | d: 10/29/13 (| 04:30 Rec | eived: 10 | /29/13 13:5 | 0 | | | |
| Ammonia as N | ND | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:1 | 5SM 4500-NH3 | |
| Biochemical Oxygen Demand | ND | 2.00 | 11 | н | 11 | 'n | 11/03/13 15:1 | 5 EPA 405.1 | |
| Chemical Oxygen Demand | ND | 0.100 | 11 | н | U. | 11 | 10/29/13 15:1 | 5 EPA 410.4 | |
| Specific Conductance (EC) | 1.65 | 0.100 | µmhos/cm | н | н | | II | EPA 120.1 | |
| Total Hardness | ND | 0.400 | mg/L | н | 11 | н | u. | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | 11 | н | " | 11 | " | EPA 1664 | |
| Methylene Blue Active Substances | ND | 0.0500 | я | н | * | 30 | н | EPA 425.1 | |

н

11

....

....

EPA 150.1

EPA 160.2

C-B08-8-102913-DUP (1310398-11) Liquid Sampled: 10/29/13 02:40 Received: 10/29/13 13:50

7.82

ND

0.100

1.00

| Ammonia as N | 0.270 | 0.100 | mg/L | 1 | B3K0428 | 10/29/13 | 10/29/13 15:15 \$ | SM 4500-NH3 |
|-----------------------------------|-------|--------|----------|-----|---------|----------|-------------------|-------------|
| Biochemical Oxygen Demand | 16.0 | 2.00 | n | v | n | n | 11/03/13 15:15 | EPA 405.1 |
| Chemical Oxygen Demand | 30.0 | 0.100 | n | 9 | н | .11 | 10/29/13 15:15 | EPA 410.4 |
| Specific Conductance (EC) | 160 | 0.100 | µmhos/cm | u. | н | 11 | . " | EPA 120.1 |
| Total Hardness | 57.0 | 0.400 | ıng/L | н | n | n | н | SM 2340 C |
| Hexane Extractable Material (HEM) | ND | 2.00 | 11 | | н | н | | EPA 1664 |
| Methylene Blue Active Substances | ND | 0.0500 | | н | н | И | н | EPA 425.1 |
| pH | 7.08 | 0.100 | pH Units | И | n | 11 | 91 | EPA 150.1 |
| Total Suspended Solids | 14.0 | 1.00 | mg/L | п . | 14 | 11 | 11 | EPA 160.2 |

pH Units

mg/L

S-B06-12-102913 (1310398-13) Liquid Sampled: 10/29/13 08:57 Received: 10/29/13 13:50

| Biochemical Oxygen Demand | 13.4 | 2.00 | mg/L | 1 | B3K0428 | 10/29/13 | 11/03/13 15:15 | EPA 405.1 |
|-----------------------------------|------|-------|----------|----|---------|----------|----------------|-----------|
| Chemical Oxygen Demand | 25.0 | 0.100 | 11 | U. | н | н | 10/29/13 15:15 | EPA 410.4 |
| Specific Conductance (EC) | 191 | 0.100 | µmhos/cm | 11 | н | н | н | EPA 120.1 |
| Total Hardness | 50.0 | 0.400 | mg/L | 11 | н | н | n | SM 2340 C |
| Hexane Extractable Material (HEM) | ND | 2.00 | н | 11 | н | 11 | н | EPA 1664 |
| рН | 7.18 | 0.100 | pH Units | н | н | н | н | EPA 150.1 |
| Total Suspended Solids | 12.0 | 1.00 | mg/L | н | " | " | 11 | EPA 160.2 |



| | Metals by EPA 200 Series Methods | |
|-----------------------------|------------------------------------|----------------|
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| AMEC | Project: San Diego Airport (2013) | |

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|---------------|--------------------|----------|------------|---------|----------|----------------|-----------|-------|
| C-B01-1A-102913 (1310398-01) Liquid | Sampled: 10/2 | 29/13 03:30 | Received | : 10/29/13 | 13:50 | | 1 | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Aluminum | 530 | 25 | н | н | н | ц | н | п | |
| Arsenic | ND | 3.0 | 11 | н, | 11 | 11 | . II | н | |
| Cadmium | ND | 2.0 | н | 0 | н | н | | 11 | |
| Chromium | ND | 3.0 | 0 | н | 0 | 11 | н | н | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | н | B3J2939 | 10/29/13 | 11/04/13 11:13 | EPA 218.6 | |
| Copper | 27 | 1.0 | μg/L | 0 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Iron | 0.56 | 0.025 | mg/L | н | U | и | II. | 11 | |
| Mercury | ND | 0.00030 | 11. | п | B3J3042 | 10/30/13 | 10/30/13 19:54 | EPA 245,1 | |
| Nickel | ND | 5.0 | μg/L | 11 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Lead | ND | 1.0 | | н | | -II | 11 | 0 | |
| Zinc | 48 | 1.0 | я | н | н | н | н | п | |

C-B03-2-102913 (1310398-02) Liquid Sampled: 10/29/13 03:55 Received: 10/29/13 13:50

| • • • | - | | | | | | | | |
|---------------------|------|---------|------|----|---------|----------|----------------|-----------|-----|
| Silver | ND | 1.5 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Aluminum | 3100 | 25 | н | я | -11 | н | U. | n . | |
| Arsenic | ND | . 3.0 | 11 | н | Ц | н | u | и | |
| Cadmium | ND | 2.0 | н | II | 11 | 0 | н | 11 | |
| Chromium | ND | 3.0 | u | 11 | n | н | II | н | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | U | B3J2939 | 10/29/13 | 11/04/13 11:13 | EPA 218.6 | |
| Copper | 960 | 1.0 | μg/L | u | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Iron | 0.30 | 0.025 | mg/L | 11 | า | 11 | 9 | · 9- | ~ - |
| Mercury | ND | 0.00030 | 11 | н | B3J3042 | 10/30/13 | 10/30/13 19:54 | EPA 245,1 | |
| Nickel | 48 | 5.0 | μg/L | Ш | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Lead | 120 | 1.0 | | 0 | D | 11 | н | | |
| Zinc | 730 | 1.0 | 11 | н | 17 | п | н | 11 | |
| | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Project: San Diego Airport (2013) Project Number: [none] Project Manager: Amanda Archenhold | | | | | | | Reported: 11/14/13 10:56 | | | | |
|---|---|--------------------|-------------|-------------|---------|----------|----------------|---------------------------------|-------|--|--|--|
| | Me | etals by El | PA 200 S | eries M | ethods | | | | | | | |
| an she ta she was she | | Sierra A | nalytical | Labs, I | nc. | | | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | |
| C-B05-4-102913 (1310398-03) Liquid | Sampled: 10/29 | /13 03:45 F | Received: 1 | 10/29/13 1: | 3:50 | | | | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | | | | | |
| Aluminum | 2300 | 25 | | 11 | 11 | н | 11 | n | | | | |
| Arsenic | ND | 3.0 | | 11 | н | 11 | н | H | | | | |
| Cadmium | ND | 2.0 | 11 | 11 | " | 11 | n | н. | | | | |
| Chromium | ND | 3.0 | n, | 11 | н. | 1F | н | H | | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 11 | B3J2939 | 10/29/13 | 11/04/13 11:13 | | | | | |
| Copper | 710 | 1.0 | μg/L | 11 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | | |
| Iron | 2.1 | 0.025 | mg/L | 11 | 11 | II. | II. | н | | | | |
| Mercury | ND | 0.00030 | " | 0 | B3J3042 | 10/30/13 | 10/30/13 19:54 | | | | | |
| Nickel | 20 | 5.0 | μg/L | II. | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | | |
| Lead | ND | 1.0 | 0. | " | " | | n | n | | | | |
| Zinc | 990 | 1.0 | н | D. | н | 11 | n | N | | | | |
| C-B06-5A-102913 (1310398-04) Liquic | Sampled: 10/2 | 29/13 04:30 | Received | : 10/29/13 | 13:50 | | | | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | | |
| Aluminum | 1100 | 25 | н | H. | н | n | 11. | n | | | | |
| Arsenic | ND | 3.0 | n | в | " | D. | H. | н | | | | |
| Cadmium | ND | 2.0 | n | н | ** | U. | н | H. | | | | |
| Chromium | ND | 3.0 | н | H | 11 | 11 | 11 | II. | | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | п | B3J2939 | 10/29/13 | 11/04/13 11:13 | EPA 218.6 | | | | |
| Copper | . 91 | 1.0 | μg/L | 11 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | | |
| Iron | 1.1 | 0.025 | mg/L | 11 | H. | 11 | n | 11 | | | | |
| Mercury | ND | 0.00030 | H. | D. | B3J3042 | 10/30/13 | 10/30/13 19:54 | EPA 245.1 | | | | |
| Nickel | 7.9 | 5.0 | μg/L | U. | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | | |
| Lead | 12 | 1.0 | 11 | 11 | н | 11 | н | 11 | | | | |
| Zinc | 300 | 1.0 | 11 | 11 | 11 | н | н | н | | | | |



| AMEC 9177 Sky Park Court Suite A | Project: San Diego Airport (2013) Project Number: [none] | | | | | | | | Reported: | |
|-------------------------------------|---|--------------|----------|------------|---------|------------|----------------|----------------|-----------|--|
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | | | | | | | 11/14/13 10:56 | | |
| | Me | tals by EP | A 200 S | series M | ethods | | | | | |
| | | Sierra An | alytical | Labs, I | nc. | | | | | |
| | D14 | Reporting | T I | Dilution | Batch | Duon ono d | A naturad | Method | Note | |
| Analyte | Result | Limit | Units | | | Prepared | Analyzed | Method | Note | |
| C-B07-6-102913 (1310398-05) Liquid | Sampled: 10/29/ | 13 04:00 R | eceived: | 10/29/13 1 | 3:50 | | | | | |
| Aluminum | 970 | 25 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | |
| Copper | 370 | 1.0 | 11 | н | U | и | u – | | | |
| Iron | 3.2 | 0.025 | mg/L | 11 | 8 | u | я | .0 | | |
| Lead | ND | 1.0 | μg/L | л | n | | и | н | | |
| Zinc | 1200 | 1.0 | 11 | п | 91 | IJ | н | n | | |
| C-B07-7-102913 (1310398-06) Liquid | Sampled: 10/29 | /13 02:55 R | eceived: | 10/29/13 1 | 3:50 | | | | | |
| Aluminum | 2000 | 25 | μg/L | 1 | B3J2949 | | 10/31/13 12:29 | EPA 200.8 | | |
| Copper | 310 | 1.0 | n | 0. | н | л | u | н | | |
| Iron | 2.0 | 0.025 | mg/L | 11 | 0 | у | н | 11 | | |
| Lead | ND | 1.0 | μg/L | -11 | 11 | II | 11 | | | |
| Zine | 1000 | 1.0 | 11 | н | п | и | u | n | | |
| C-B08-8-102913 (1310398-07) Liquid | Sampled: 10/29 | /13 02:40 R | eceived: | 10/29/13 1 | 3:50 | | | | | |
| Aluminum | 42 | 25 | μg/L | 1 | B3J2949 | | 10/31/13 12:29 | EPA 200.8 | | |
| Copper | 64 | 1.0 | н | и | U | 9 | п | II | | |
| Iron | 0.061 | 0.025 | mg/L | 11 | ji | н | н | И | | |
| Lead | ND | 1.0 | μg/L | 11 | н | н | 0 | н | | |
| Zinc | 150 | 1.0 | И | н | н | н | 11 | W. | | |
| C-B09-10B-102913 (1310398-08) Liqu | id Sampled: 10 | /29/13 03:00 | Receive | d: 10/29/1 | 3 13:50 | | | | | |
| Aluminum | 1400 | 25 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | |
| Copper | 68 | 1.0 | н | н | 11 | u. | н | 11 | | |
| Iron | 1.7 | 0.025 | mg/L | Л | 11 | н | 11 | 11 | | |
| | ND | 1.0 | μg/L | N. | 11 | 11 | " | 31 | | |
| Lead | 11,02 | | | | | | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Project: San Diego Airport (2013) Project Number: [none] Project Manager: Amanda Archenhold | | | | | | | Reported: 11/14/13 10:56 | | | |
|--|---|--------------------|-----------|-------------|------------|----------|----------------|------------------------------------|-------|--|--|
| | M | etals by EI | PA 200 § | Series M | ethods | | | | | | |
| Sierra Analytical Labs, Inc. | | | | | | | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | |
| C-B12-9A-102913 (1310398-09) Liquid | Sampled: 10/ | 29/13 03:10 | Received | : 10/29/13 | 13:50 | | | | | | |
| Aluminum | 78 | 25 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | |
| Copper | 30 | 1.0 | " | н | н | n | н | н | | | |
| Iron | 0.10 | 0.025 | mg/L | tt. | 11 | 98 | · II | n . | | | |
| Lead | ND | 1.0 | μg/L " | 11 11 | 11 | н. | II | н . | | | |
| Zinc | 120 | 1.0 | u. | 17 | 11 | 11 | U | н | | | |
| C-B06-5A-102913-BLK (1310398-10) Li | quid Sample | d: 10/29/13 0 | 4:30 Re | ceived: 10/ | 29/13 13:5 | 60 | | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | |
| Aluminum | ND | 25 | 10- | н | н | н | 1P | н | | | |
| Arsenic | ND | 3.0 | 14 | n | 11 | " | 11- | н | | | |
| Cadmium | ND | 2.0 | н | н | н. | " | U. | н | | | |
| Chromium | ND | 3.0 | н | н | 11 | 11 | 11 | " | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | н | B3J2939 | 10/29/13 | 11/04/13 11:13 | EPA 218.6 | | | |
| Copper | ND | 1.0 | μg/L | н | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | |
| Iron | ND | 0.025 | mg/L | 11 | 11 | 11 . | ** | u | | | |
| Mercury | ND | 0.00030 | н | 11 | B3J3042 | 10/30/13 | 10/30/13 19:54 | EPA 245.1 | | | |
| Nickel | ND | 5.0 | μg/L | U. | B3J2949 | 10/29/13 | 10/31/13 12:29 | | | | |
| Lead | ND | 1.0 | н | " | и | 11 | н | 91 | | | |
| Zinc | ND | 1.0 | " | 11 | н | U | U. | 11 | | | |
| C-B08-8-102913-DUP (1310398-11) Liqu | uid Sampled | : 10/29/13 02: | 40 Rece | ived: 10/29 | 9/13 13:50 | | | | | | |
| Aluminum | 36 | 25 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | | | |
| Copper | 5 7 | 1.0 | " | II. | 11 | | н | н | | | |
| Iron | 0.054 | 0.025 | mg/L | 11 | 11 | 11 | n | н | | | |
| Lead | ND | 1.0 | μg/L | u. | 11 | U. | 11 | n | | | |
| Zinc | 130 | 1.0 | " | | 11 | 11 | I | и | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | M | Project Nu | umber: [no nager: An | nanda Arch | enhold |)13) | | Reported 11/14/13 10 | |
|--|---------------|--------------------|-------------------------|------------|---------|----------|----------------|--------------------------------|-------|
| | | Sierra A | nalytica | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| S-B06-12-102913 (1310398-13) Liquid | Sampled: 10/2 | 9/13 08:57 | Received: | 10/29/13 1 | 13:50 | | - | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Aluminum | 110 | 25 | n | ti | 11 | 11 | 11 | . " | |
| Arsenic | ND | 3.0 | 11 | н | 11 | 11 | 11 | 41 | |
| Cadmium | ND | 2.0 | n i | л | 11 | 11 | μ | .И | |
| Chromium | ND | 3.0 | 0 | | н | н | н | II. | |
| Hexavalent Chromium | ND | 0,0020 | mg/L | и | B3J2939 | 10/29/13 | 11/04/13 11:13 | EPA 218.6 | |
| Copper | 54 | 1.0 | μg/L | м | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Iron | 0.44 | 0.025 | mg/L | 11 | в | м | 9 | н | |
| Mercury | ND | 0.00030 | U. | 11 | B3J3042 | 10/30/13 | 10/30/13 19:54 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | м | B3J2949 | 10/29/13 | 10/31/13 12:29 | EPA 200.8 | |
| Lead | 5.1 | 1.0 | ч | н | п | н | n | H. | |
| Zinc | 240 | 1.0 | 9 | n | U. | U. | н. | " | |

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A | | Project N | umber: [no | | - 、 | 13) | | Reporte | |
|-------------------------------------|----------------|--------------------|------------|-------------|---------|----------|----------------|-----------|-------|
| San Diego CA, 92123 | | | | nanda Arch | | | | 11/14/13 | 0:56 |
| | Metals (J | Dissolved) | v | | | lods | | | |
| | | Sierra A | nalytica | l Labs, Iı | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B01-1A-102913 (1310398-01) Liquid | Sampled: 10/2 | 29/13 03:30 | Received | l: 10/29/13 | 13:50 | | | | |
| Silver | ND | 1.5 | μg/L | · 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Arsenic | ND | 3.0 | и | 11 | n | n | в | 8 | |
| Cadmium | ND | 2.0 | н | 17 | n | н | н | 91 | |
| Chromium | ND | 3.0 | н | 18 | U | н. | н | 0 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 0 | B3J2940 | 10/29/13 | 11/04/13 11:14 | EPA 218.6 | |
| Copper | 13 | 1.0 | μg/L | 11 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Mercury | ND | 0.00073 | mg/L | н | B3J3043 | 10/30/13 | 10/30/13 19:56 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | н | B3J3045 | 10/30/13 | 10/31/13 15:20 | | |
| Lead | ND | 2.0 | 11 | n | 11 | 18. | 11 | н | |
| Zinc | .32 | 1.0 | " | " | n | n | u. | Û | |
| C-B03-2-102913 (1310398-02) Liquid | Sampled: 10/29 | /13 03:55 1 | Received: | 10/29/13 1 | 3:50 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Arsenic | ND | 3.0 | н | 11 | н | 11 | tł. | 11 | |
| Cadmium | ND | 2.0 | H | n | n | н | 11 | н | |
| Chromium | ND | 3.0 | n | U. | н | н | 17 | tt | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | H. | B3J2940 | 10/29/13 | 11/04/13 11:14 | EPA 218.6 | |
| Copper | 790 | 1.0 | μg/L | н | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Mercury | ND | 0.00073 | mg/L | н | B3J3043 | 10/30/13 | 10/30/13 19:56 | EPA 245.1 | |
| Nickel | 39 | 5.0 | μg/L | н | B3J3045 | | 10/31/13 15:20 | EPA 200.8 | |
| Lead | 62 | 2.0 | 17 | н | н | н | " | | |
| Zinc | 590 | 1.0 | 11 | н | 0 | 11. | 0 | 11 | |
| C-B05-4-102913 (1310398-03) Liquid | Sampled: 10/29 | /13 03:45 | Received: | 10/29/13 1 | 3:50 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Arsenic | ND | 3.0 | 11 | н | н | n | 11 | 11 | |
| Cadmium | ND | 2.0 | 11- | M- | н | н | 11 | 11 | |
| Chromium | ND | 3.0 | 17 | н | н | и | " | n | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | И | B3J2940 | 10/29/13 | 11/04/13 11:14 | EPA 218.6 | |
| Copper | 530 | 1.0 | μg/L | м | B3J3045 | 10/30/13 | 10/31/13 15:20 | | |
| Mercury | ND | 0.00073 | mg/L | м | B3J3043 | 10/30/13 | 10/30/13 19:56 | | |
| Nickel | 16 | 5.0 | μg/L | н | B3J3045 | | 10/31/13 15:20 | | |
| Lead | ND | 2.0 | " | N | n | 10/00/12 | 10/01/10/10/10 | 11 | |
| | 780 | 1.0 | | н | 41 | н | н | 11 | |

| Â. |
|----------|
| S |
| |
| SILP RA |

| AMEC 9177 Sky Park Court Suite A | Project: San Diego Airport (2013) Project Number: [none] | | | | | | | Reporte | |
|-------------------------------------|---|--------------------|-----------|-------------|-----------|----------|----------------|-----------|----------|
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | | | | | | | | 10:56 |
| | Metals (I | Dissolved) |) by EPA | A 200 Ser | ries Meth | ods | | | |
| | | Sierra A | nalytica | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B06-5A-102913 (1310398-04) Liquic | Sampled: 10/2 | 29/13 04:30 | Received | I: 10/29/13 | 13:50 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Arsenic | ND | 3.0 | -11 | | н | н | | н | |
| Cadmium | ND | 2.0 | 11 | 11 | н | 11 | н | n | |
| Chromium | ND | 3.0 | н | 11 | ч | 11- | n | u. | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | н | B3J2940 | 10/29/13 | 11/04/13 11:14 | EPA 218.6 | |
| Copper | 71 | 1.0 | μg/L | H. | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Mercury | ND | 0.00073 | mg/L | | B3J3043 | 10/30/13 | 10/30/13 19:56 | EPA 245.1 | |
| Nickel | 6.7 | 5.0 | μg/L | 11 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Lead | ND | 2.0 | 11 | ħ | н. | 11 | н | 11 | |
| Zine | 210 | 1.0 | н | н | н | п. | U | IJ | |
| C-B07-6-102913 (1310398-05) Liquid | Sampled: 10/29 | /13 04:00 | Received: | 10/29/13 1 | 3:50 | | | | |
| Copper | 200 | 1.0 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Zinc | 940 | 1.0 | н | н | Ш | 11 | н | II. | |
| C-B07-7-102913 (1310398-06) Liquid | Sampled: 10/29 | /13 02:55 | Received: | 10/29/13 1 | 3:50 | | | | |
| Copper | 220 | 1.0 | μg/Ľ | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Zinc | 780 | 1.0 | 10 | п | n, | u. | | н | |
| C-B08-8-102913 (1310398-07) Liquid | Sampled: 10/29 | /13 02:40 | Received: | 10/29/13 1 | 3:50 | | | | |
| Copper | 53 | 1.0 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Zinc | 94 | 1.0 | 1 | 11 | | n | ч | 11 | |
| C-B09-10B-102913 (1310398-08) Liqu | id Sampled: 10 | /29/13 03:00 | 0 Receive | ed: 10/29/1 | 3 13:50 | | | | |
| Copper | 50 | 1.0 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | <u> </u> |
| Zinc | 360 | 1.0 | 10 | ji | 11 | 11 | н | H. | |
| | | | | | | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [no | n Diego A me] nanda Arch | Airport (20 Menhold | 13) | | Reporte 11/14/13 1 | |
|--|---------------|--------------------|-----------|--------------------------------|------------------------|----------|----------------|------------------------------|-------|
| | Metals (| Dissolved) | by EPA | 200 Ser | ies Meth | ods | | | |
| | | Sierra Ai | nalytical | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B12-9A-102913 (1310398-09) Liquid | Sampled: 10/ | 29/13 03:10 | Received | : 10/29/13 | 13:50 | | | | |
| Copper Zinc | 21 100 | 1.0 1.0 | μg/L " | 1 " | B3J3045 " | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| С-В08-8-102913-DUP (1310398-11) Liqi | | | 40 Rece | ived: 10/29 | 9/13 13:50 | | | | |
| Copper | 52 | 1.0 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Zinc | 100 | 1.0 | u | 11- | n | U | М | 11 | |
| 5-B06-12-102913 (1310398-13) Liquid | Sampled: 10/2 | 9/13 08:57 | Received: | 10/29/13 1 | 13:50 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200,8 | |
| Arsenic | ND | 3.0 | 11 | 1ł | " | н | ir | n | |
| Cadmium | ND | 2.0 | " | 9 | u. | н | II. | 11 | |
| Chromium | ND | 3.0 | 11 | 91- | Û. | н | 11 | 11 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | W | B3J2940 | 10/29/13 | 11/04/13 11:14 | EPA 218.6 | |
| Copper | 39 | 1.0 | μg/L | 11 | B3J3045 | 10/30/13 | 10/31/13 15:20 | EPA 200.8 | |
| Mercury | ND | 0.00073 | mg/L | 11. | B3J3043 | 10/30/13 | 10/30/13 19:56 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | 11 | B3J3045 | 10/30/13 | 10/31/13 15:20 | | |
| Lead | ND | 2.0 | 17 | н. | " | и | n | н | |
| Zinc | 200 | 1.0 | | 11. | 11 | 11 | н | н | |



| 9177 Sky Park Court Suite A San Diego CA, 92123 | · | | mber: [no nager: An | nej nanda Arch | enhold | | | Reported 11/14/13 1 | |
|--|-------------------|--------------------|------------------------|---------------------|-------------|----------|----------------|------------------------|------|
| <u></u> | Triv | alent Chi | romium | by Calc | ulation | | | | |
| | | Sierra Aı | nalytica | l Labs, Iı | nc. | • | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B01-1A-102913 (1310398-01) Liqu | iid Sampled: 10/2 | 9/13 03:30 | Received | l: 10/29/13 | 13:50 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2935 | 10/29/13 | 11/04/13 11:17 | Calculation | |
| C-B03-2-102913 (1310398-02) Liqui | d Sampled: 10/29/ | 13 03:55 R | Received: | 10/29/13 1 | 3:50 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2935 | 10/29/13 | 11/04/13 11:17 | Calculation | |
| C-B05-4-102913 (1310398-03) Liqui | d Sampled: 10/29/ | 13 03:45 F | Received: | 10/29/13 1 | 3:50 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2935 | 10/29/13 | 11/04/13 11:17 | Calculation | |
| C-B06-5A-102913 (1310398-04) Liqu | uid Sampled: 10/2 | 9/13 04:30 | Received | I: 10/29/13 | 13:50 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2935 | 10/29/13 | 11/04/13 11:17 | Calculation | |
| C-B06-5A-102913-BLK (1310398-10 |)) Liquid Sampled | l: 10/29/13 0 |)4:30 Re | ceived: 10/ | /29/13 13:5 | 50 | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2935 | 10/29/13 | 11/04/13 11:17 | Calculation | |
| S-B06-12-102913 (1310398-13) Liqu | id Sampled: 10/29 | /13 08:57 | Received | : 10/29/13 1 | 13:50 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | | B3J2935 | 10/29/13 | 11/04/13 11:17 | | |



| AMEC 9177 Sky Park Court Suite A | | P Project Ni | | n Diego A one] | Airport (20 | 13) | | Reported | : | |
|-------------------------------------|------------------|--------------------|-----------|-------------------|-------------|----------|----------------|---------------|-------|--|
| San Diego CA, 92123 | | Project Ma | nager: Ai | nanda Arch | enhold | | 11/14/13 10:56 | | | |
| | Trivalent | Chromiu | m by C | alculatio | n (Dissol | ved) | | | | |
| | | Sierra A | nalytica | l Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| C-B01-1A-102913 (1310398-01) Liquic | I Sampled: 10/29 | 9/13 03:30 | Receive | d: 10/29/13 | 13:50 | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2937 | 10/29/13 | 11/04/13 11:11 | 7 Calculation | | |
| C-B03-2-102913 (1310398-02) Liquid | Sampled: 10/29/ | 13 03:55 I | Received: | 10/29/13 1 | 3:50 | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2937 | 10/29/13 | 11/04/13 11:17 | 7 Calculation | | |
| C-B05-4-102913 (1310398-03) Liquid | Sampled: 10/29/ | 13 03:45 I | Received: | 10/29/13 1 | 3:50 | | | | | |
| Trivalent Chromium | ND | 0.010 | ıng/L | 1 | B3J2937 | 10/29/13 | 11/04/13 11:17 | 7 Calculation | | |
| C-B06-5A-102913 (1310398-04) Liquid | I Sampled: 10/29 | 9/13 04:30 | Receive | d: 10/29/13 | 13:50 | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2937 | 10/29/13 | 11/04/13 11:17 | 7 Calculation | | |
| S-B06-12-102913 (1310398-13) Liquid | Sampled: 10/29 | /13 08:57 | Received | : 10/29/13 | 13:50 | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3J2937 | 10/29/13 | 11/04/13 11:11 | 7 Calculation | | |



| | Deciante | | |
|-----------------------------|----------------------------|---------------------------|----------------|
| AMEC | Project, | San Diego Airport (2013) | |
| 9177 Sky Park Court Suite A | Project Number: | [none] | Reported: |
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:56 |
| | ganochloring Posticidos ar | nd PCBs by FPA Method 608 | |

Organochlorine Pesticides and PCBs by EPA Method 608

| Sierra Analytical Labs, Inc. | | | | | | | | | | |
|-------------------------------------|---------------|--------------------|----------|-------------|---------|----------|----------------|---------|-------|--|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| C-B01-1A-102913 (1310398-01) Liquid | Sampled: 10/2 | 29/13 03:30 | Received | I: 10/29/13 | 13:50 | | . · | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | | |
| HCH-alpha | ND | 0.010 | н | н | 9 | м | 11 | н | | |
| HCH-beta | ND | 0.050 | н | U. | 11 | 11 | n | U. | | |
| HCH-delta | ND | 0.10 | н | W. | п | и 1 | н | u. | | |
| HCH-gamma (Lindane) | ND | 0.20 | " | 11 | н | 11 | и | 11 | | |
| Chlordane | ND | 0.050 | 11 | IJ | н | и | н | н | | |
| 4,4′-DDD | ND | 0.010 | и | ÷н, | 9 | н | u. | н | | |
| 4,4′-DDE | ND | 0.010 | н | u. | 9 | H | 11 | . " | | |
| 4,4′-DDT | ND | 0.010 | u | 11 | 11 | н | н | n | | |
| Dieldrin | ND | 0.020 | 11 | 11 | | 11 | н | 0 | | |
| Endosulfan I | ND | 0.020 | н | 'n | н | 11 | н | 11 | | |
| Endosulfan II | ND | 0.050 | н | н | u. | п | n | ŋ | | |
| Endosulfan sulfate | ND | 0.050 | н | н | 11 | п | 0 | н | | |
| Endrin | ND | 0.10 | 11 | 9 | 11 | n | 11 | II | | |
| Endrin aldehyde | ND | 0.050 | 11 | 0 | н | 11 | н | 9 | | |
| Heptachlor | ND | 0.010 | · - 0 | н | n | н | н | · 11 | | |
| Heptachlor epoxide | ND | 0.010 | ". | н | u. | n | U | ц | | |
| Toxaphene | ND | 1.0 | н | н . | 9 | н | | n | | |
| PCB-1016 | ND | 0.50 | 11- | | н | -0 | л | н | | |
| PCB-1221 | ND | 0.50 | 11 | 9 | н | 11 | н | 11 | | |
| PCB-1232 | ND | 0.50 | N | н | n | 11 | н | H. | | |
| PCB-1242 | ND | 0.50 | н | н | | н | н | " | | |
| PCB-1248 | ND | 0.50 | n | л | 9 | M | н | 'n | | |
| PCB-1254 | ND | 0.50 | u. | u. | 11 | т | 11 | IJ | | |
| PCB-1260 | ND | 0.50 | 0 | 11 | 9 | 'n | U. | 11 | | |
| Surrogate: Decachlorobiphenyl | | 76.0 % | 42 | -147 | " | " | n | " | | |
| Surrogate: Tetrachloro-meta-xylene | | 85.2 % | | -147 | " | н | п | 11 | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur Project Man | nber: [no | ne] | virport (20 Menhold | 13) | | Reported 11/14/13 1 | |
|--|----------------|----------------------------|-----------|---------------------|------------------------|----------|----------------|-------------------------------|------|
| | Organochlorir | | | • | | ethod 60 | 8 | | |
| | | Sierra An | alytica | I Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B03-2-102913 (1310398-02) Liquid | Sampled: 10/29 | /13 03:55 R | eceived: | 10/ 2 9/13 1 | 3:50 | | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| HCH-alpha | ND | 0.010 | н | n | 11 | 11 | n | u | |
| HCH-beta | ND | 0.050 | н | н | 11 | " | п | n | |
| HCH-delta | ND | 0.10 | 11 | н | 11 | " | 11 | u. | |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | n | 11 | н. | 9 | 11 | |
| Chlordane | ND | 0.050 | n. | н | IF. | n | 11 | D | |
| I,4′-DDD | ND | 0.010 | и | 11 | n | | 11 | 0 | |
| 1,4′-DDE | ND | 0.010 | 14 | 11 | н | " | 11 | n. | |
| 1,4′-DDT | ND | 0.010 | н | n | н | 9 | 11 | н | |
| Dieldrin | ND | 0.020 | 11 | 17 | н | " | II. | в | |
| Endosulfan I | ND | 0.020 | u | 16. | н | н | 11 | 11 | |
| Endosulfan II | ND | 0.050 | н | н. | н | " | 1r | n | |
| Endosulfan sulfate | ND | 0.050 | n | н | н | ° 11 | | н | |
| Endrin | ND | 0.10 | . 11 | н | 91 | н | 11 | n | |
| Endrin aldehyde | ND | 0.050 | 0 | н | 0 | п | n | | |
| Heptachlor | ND | 0.010 | | n | 11 | н | " | | |
| Heptachlor epoxide | ND | 0.010 | 11 | n | 11 | n | н | ч | |
| Foxaphene | • ND | 1.0 | 0 | н | 11 | 11 | н | u. | |
| PCB-1016 | ND | 0.50 | 11 | н | II | H. | н | 11 | |
| PCB-1221 | ND | 0.50 | 11 | n, | 11 | н | · H | u | |
| PCB-1232 | ND | 0.50 | н. | н | II. | n | н | u. | |
| PCB-1242 | ND | 0.50 | -11 | 11 | II. | n | н | u . | |
| PCB-1248 | ND | 0.50 | U | 11 | 11 | " | н | u: | |
| PCB-1254 | ND | 0.50 | н | 11 | u. | " | н | ч | |
| PCB-1260 | ND | 0.50 | н | 11 | П. | n | н | u. | |
| Surrogate: Decachlorobiphenyl | | 70.8 % | 42- | 147 | 11. | " | 11 | " | |
| Surrogate: Tetrachloro-meta-xylene | | 80.4 % | 42- | 147 | " | " | n. | н | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|--|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |
| (| Drganochlorine Pesticides and PCBs by EPA Method | 1 608 |

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|--------------------|-------|----------|---------|----------|----------------|---------|-------|
| C-B05-4-102913 (1310398-03) Liquid | | | | | 3:50 | | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| HCH-alpha | ND | 0.010 | " | н | 11 | н | п | U. | |
| HCH-beta | ND | 0,050 | н | H. | n | n | -91 | 11 | |
| HCH-delta | ND | 0.10 | IT | U | н | | IJ | U | |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | n | н | п | н | н | |
| Chlordane | ND | 0.050 | 11 | N- | 11 | н | 11 | н | |
| 4,4′-DDD | ND | 0.010 | N- | н | ti | " | 9 | ŧr | |
| 4,4′-DDE | ND | 0,010 | и | II. | н | U. | 11 | 10 · · | |
| 4,4′-DDT | ND | 0.010 | n, | 9 | н | 11 | н | н | |
| Dieldrin | ND | 0.020 | 11. | n | л. | 11 | н | н | |
| Endosulfan I | ND | 0.020 | н | н | 11 | н | 0 | н | |
| Endosulfan II | ND | 0.050 | IT | u. | 0 | п | 0 | u. | |
| Endosulfan sulfate | ND | 0.050 | R | 11 | . 11 | U. | н | n . | |
| Endrin | ND | 0.10 | 11 | ' n | U. | п | н | U. | |
| Endrin aldehyde | ND | 0.050 | н | н | 11 | н | | н | |
| Heptachlor | ND | 0.010 | II. | II. | 11 | н | U | н | |
| Heptachlor epoxide | ND | 0.010 | 91 | 9 | п | n | 11 | 11 | |
| Toxaphene | ND | 1.0 | 11 | -0 | н | .0 | н | n | |
| PCB-1016 | ND | 0.50 | н | в | | 11 | н | п | |
| PCB-1221 | ND | 0.50 | н | н | | в . | R | н | |
| PCB-1232 | ND | 0.50 | | U. | 10 | н | v | 97. | |
| PCB-1242 | ND | 0.50 | 9 | 0 | n | n | 11 | 91 | |
| PCB-1248 | ND | 0.50 | н | п | н | 11 | 11 | 11 | |
| PCB-1254 | ND | 0.50 | н | н | u | 11 | н | .0 | • |
| PCB-1260 | ND | 0.50 | n | н | u | N | " | н | |
| Surrogate: Decachlorobiphenyl | | 50.0 % | 42- | .147 | п | 11 | Ш | n | |
| Surrogate: Tetrachloro-meta-xylene | | 86.8 % | 42- | -147 | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [no | n Diego A ne] anda Arch | airport (20 enhold | 13) | | Керо 11/14/1 | |
|--|---------------|--------------------|-----------|-------------------------------|-----------------------|----------|----------------|------------------------|---------------------------------------|
| 0 | rganochlorin | e Pesticid | les and 1 | PCBs by | EPA M | ethod 60 | 8 | | |
| Sierra Analytical Labs, Inc. | | | | | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B06-5A-102913 (1310398-04) Liquid | Sampled: 10/2 | 9/13 04:30 | Received | : 10/29/13 | 13:50 | | | | · · · · · · · · · · · · · · · · · · · |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| HCH-alpha | ND | 0.010 | n. | н: | 0- | н | 9 | II. | |
| HCH-beta | ND | 0.050 | 11 | n | 11. | н | 11 | H. | |
| HCH-delta | ND | 0.10 | 11 | n | н, | * | н | 11 | |
| HCH-gamma (Lindane) | ND | 0.20 | 0 | н | 11 | 11 | н | U | |
| Chlordane | ND | 0.050 | 0 | н | н. | | 0 | 11 | |
| 4,4′-DDD | ND | 0.010 | н | u. | н | 18 | ħ | н | |
| 4,4´-DDE | ND | 0.010 | п | н. | н | 11 | н | н | |
| 4,4′-DDT | ND | 0.010 | н | 11 | н | 11 | н | н | |
| Dieldrin | ND | 0.020 | н | 18 | н | и | н | " | |
| Endosulfan I | ND | 0.020 | н. | 11 | н | n | н | н | |
| Endosulfan II | ND | 0.050 | u. | 11 | н | н | н | н | |
| Endosulfan sulfate | ND | 0.050 | ** | 10 | 0. | н | н | п | |
| Endrin | ND | 0.10 | 11 | 19 | 11 | н | н | " | |
| Endrin aldehyde | ND | 0.050 | 11 | ħ | 11 | п | н | +1 | |
| Heptachlor | ND | 0.010 | 11 | н | 11- | n | n | | |
| Heptachlor epoxide | ND | 0.010 | н | н | 11 | н | н | " | |
| Toxaphene | ND | 1.0 | н | н | 11 | n | н | #1 | |
| PCB-1016 | ND | 0.50 | н | n | 11 | н | и | 11 | |
| PCB-1221 | ND | 0.50 | n | n. | 11 | n | n | 11 | |
| PCB-1232 | ND | 0,50 | н | n | 11 | н | н | 0 | |
| PCB-1242 | ND | 0.50 | н | н | 11. | н | н | n | |
| PCB-1248 | ND | 0.50 | н | н | 11 | и | н | 0. | |
| PCB-1254 | ND | 0.50 | н | n | 11 | м | н | H: | |
| PCB-1260 | ND | 0.50 | н | н | 11 | и | н | н | 1 |
| Surrogate: Decachlorobiphenyl | | 70.0 % | 42- | 147 | " | " | " | 11 | |
| Surrogate: Tetrachloro-meta-xylene | | 90.8 % | 42- | | n | .11 | " | 11- | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Pro Project Nur Project Man | nber: [no | ne] | irport (20 | 13) | | Reported 11/14/13 1 | |
|--|-----------------|-----------------------------------|-----------|------------|------------|------------|----------------|-------------------------------|-------|
| | | | | ····· | | 4h a J 600 | 0 | 11/14/13 1 | 0.50 |
| | Organochlorin | e Pesucia Sierra An | | • | | | D | | |
| | | Reporting | • | , | - | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B07-6-102913 (1310398-05) Liquid | Sampled: 10/29/ | 13 04:00 R | eceived: | 10/29/13 1 | 3:50 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | 11 | 11 | n | н | U. | н | |
| PCB-1232 | ND | 0.50 | н | 9 | 11 | н | -11 | н | |
| PCB-1242 | ND | 0.50 | м | 9 | 11 | u | 11 | 11 | |
| PCB-1248 | ND | 0,50 | 11 | n | п | -11 | n | 11 | |
| PCB-1254 | ND | 0.50 | | н | н | 11 | н | н | |
| PCB-1260 | ND | 0.50 | .11 | н | и | н | " | . н | |
| Surrogate: Decachlorobiphenyl | | 64.4 % | 42- | 147 | " | " | n | n | |
| Surrogate: Tetrachloro-meta-xylene | | 74.0 % | 42- | 147 | -u | " | n | n | |
| C-B07-7-102913 (1310398-06) Liquid | Sampled: 10/29/ | 13 02:55 R | eceived: | 10/29/13 1 | 3:50 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | м | -11 | 11 | н | 11 | н | |
| PCB-1232 | ND | 0.50 | 11 | n | -11 | 11 | n | ** | |
| PCB-1242 | ND | 0.50 | н | n | n | 11 | н | 11 | |
| PCB-1248 | ND | 0.50 | .11 | 11 | . 0 | н | IT | н | |
| PCB-1254 | ND | 0.50 | л | " | u | н | 11 | н | |
| PCB-1260 | ND | 0.50 | н | И | 11 | п | 11 | н | |
| Surrogate: Decachlorobiphenyl | | 79.6 % | 42- | 147 | II | 11 | 11 | н | |
| Surrogate: Tetrachloro-meta-xylene | | 61.2 % | 42- | 147 | " | " | " | " | |
| C-B08-8-102913 (1310398-07) Liquid | Sampled: 10/29/ | /13 02:40 R | eceived: | 10/29/13 1 | 3;50 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | 1 | 11 | n | u. | п, | U | |
| | ND | 0.50 | н | и | н | 11 | н | II. | |
| PCB-1232 | · · · | | н | н. | н | 11 | н | 11 | |
| | ND | 0.50 | | | | | | | |
| PCB-1242 | ND ND | 0.50 | Ħ | n | п | .0 | И | 17 | |
| PCB-1242 PCB-1248 | | 0.50 | n | n n | и | 9 11. | н | 9 -9 | |
| PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260 | ND | | | | | | | | |

Surrogate: Tetrachloro-meta-xylene

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

66.8 %

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net

42-147

n



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [no | n Diego A me] nanda Arch | | 13) | | Reported 11/14/13 1 | |
|--|---------------|----------------------|-----------|--------------------------------|------------|----------|---------------------------------------|-------------------------------|------|
| Or | ganochlorin | | | | | ethod 60 | 8 | | |
| | | Sierra Ar | nalytica | l Labs, Iı | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B09-10B-102913 (1310398-08) Liquid | Sampled: 10/ | 29/13 03:00 | Receive | d: 10/29/13 | 3 13:50 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | | " | н | 11 | ** | н | |
| PCB-1232 | ND | 0.50 | 0 | н | 11 | 11 | 11 | н | |
| PCB-1242 | ND | 0.50 | 11 | н | и | 11 | " | н | |
| PCB-1248 | ND | 0.50 | 11 | н | н | 11 | 11 | н | |
| PCB-1254 | ND | 0.50 | u. | 11 | н | 11 | 11 | н | |
| PCB-1260 | ND | 0.50 | n | | п | н | 11 | н | |
| | | | | | | | | | |
| Surrogate: Decachlorobiphenyl | | 77.6% | | 147 | " | " | " | " | |
| Surrogate: Tetrachloro-meta-xylene | | 44.4 % | 42- | 147 | n | " | " | " | |
| C-B12-9A-102913 (1310398-09) Liquid | Sampled: 10/2 | 9/13 03:10 | Received | : 10/29/13 | 13:50 | | · · · · · · · · · · · · · · · · · · · | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | н | н | II. | H . | 11 | н | |
| PCB-1232 | ND | 0.50 | н | н | | n | 11 | н | |
| PCB-1242 | ND | 0.50 | н | н | | Н. | n | 11 | |
| PCB-1248 | ND | 0.50 | н | н | | н | 11 | n | |
| PCB-1254 | ND | 0.50 | н | н | | н | н | н | |
| PCB-1260 | ND | 0.50 | " | п | | н | 0 | п | |
| Surrogate: Decachlorobiphenyl | | 42.8 % | 42- | 147 | " | " | п | " | |
| Surrogate: Tetrachloro-meta-xylene | | 58.0 % | | 147 | 11 | " | " | " | |
| C-B06-5A-102913-BLK (1310398-10) Lic | uid Sampled | l: 10/29/13 0 | 4:30 Re | ceived: 10/ | 29/13 13:5 | 0 | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| ICH-alpha | ND | 0.010 | " | н | н | 11 | 11 | 11 | |
| HCH-beta | ND | 0.050 | н | 11 | n | . 11 | n | n | |
| HCH-delta | ND | 0.10 | n. | 11 | н | | | н | |
| HCH-gamma (Lindane) | ND | 0.20 | н | 11 | н | U. | 11 | н | |
| Chlordane | ND | 0.050 | н | · 9 | н | u. | Ð | н | |
| 4,4′-DDD | ND | 0.010 | " | 0 | н | u. | II. | п | |
| 1,4′-DDE | ND | 0.010 | n | 11 | 11- | н | н | | |
| 4,4′-DDT | ND | 0.010 | | 9 | 11 | н | n | 11 | |
| Dieldrin | ND | 0.010 | u. | | 14 | п | н | 11 | |
| | | | n. | n | 11 | N | | u. | |
| Endosulfan I Endosulfan II | ND | 0.020 | u. | ut. | 11 | " | 11 | 11 11 | |
| Endosulfan II | ND | 0.050 | " | | | | | | |
| Endosulfan sulfate | ND | 0.050 | | " | 11 | | " | n | |
| Bndrin | ND | 0.10 | 11 | н | 11: | 11 | 11 | н | |
| Endrin aldehyde | ND | 0.050 | 11 | н | 11 | 11 | 11 | м | |
| (T) (11. | ND | 0.010 | 11 | н | u. | 9 | 11 | н | |
| | | | | | | | | | |
| Heptachlor Heptachlor epoxide | ND | 0.010 | н | н | н | 81 | ** | Ц | |
| | | 0.010 1.0 0.50 | 11 11 | н | n N | 97 87 | 4 11 | 11 11 | |

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net

A

| AMEC 9177 Sky Park Court Suite A | | Project Num | oject: Sai nber: [no | n Diego A nel | irport (20 | 13) | | Repor | ed: |
|--|-------------|--------------------|-------------------------|------------------|------------|----------|----------------|----------|------------|
| San Diego CA, 92123 | | Project Man | - | - | enhold | | | 11/14/13 | 10:56 |
| | | | | | | 41 | 0 | | |
| Orgai | nocniorii | ne Pesticido | | • | | etnoa ov | 0 | | |
| · . | | Sierra An | alytica | l Labs, In | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| L C-B06-5A-102913-BLK (1310398-10) Liquid | Sample | l: 10/29/13 04 | 1:30 Re | ceived: 10/ | 29/13 13:5 | 0 | | | |
| PCB-1221 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1232 | ND | 0.50 | н н | | 11 | " | 11 | 11 | |
| PCB-1242 | ND | 0,50 | | 11 | 11 | 9 | н | ji | |
| PCB-1248 | ND | 0.50 | 11 | н | н | 11 | н | 11 | |
| PCB-1254 | ND | 0,50 | н | н | н. | м | н | u | |
| PCB-1260 | ND | 0.50 | н | 10 | n. | н | 11 | н | |
| Surrogate: Decachlorobiphenyl | | 75.6% | 12 | 147 | n | " | " | | |
| Surrogate: Tetrachloro-meta-xylene | | 91.6 % | | 147 | n | " | n | | |
| | | | | | | | - | | |
| C-B08-8-102913-DUP (1310398-11) Liquid | Sampled: | 10/29/13 02:4 | 40 Rece | ived: 10/29 | 0/13 13:50 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | 11 | н. | · 11 | -11 | n | U | |
| PCB-1232 | ND | 0.50 | n | 11 | n | 11 | н | 97 | |
| PCB-1242 | ND | 0.50 | н | 0 | 11 | h | л | 11 | |
| PCB-1248 | ND | 0.50 | u. | 0 | .9 | 11 | 11 | н | |
| PCB-1254 | ND | 0.50 | 11 | 11 | N . | ЧĽ | п | н | |
| PCB-1260 | ND | 0.50 | N | . H | и | н | n | н | |
| Surrogate: Decachlorobiphenyl | | 83.2 % | 42- | 147 | " | " | 11 | " | |
| Surrogate: Tetrachloro-meta-xylene | | 66.8 % | 42- | 147 | " | " | " | U | |
| S-B06-12-102913 (1310398-14) Liquid San | npled: 10/2 | 9/13 03:20 F | Received | 10/29/13 1 | 13:50 | | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| HCH-alpha | ND | 0.010 | μ <u>e</u> μμ | 1 | " | н н | н | # | |
| HCH-beta | ND | 0.050 | | п | 9 | н | u. | 11 | |
| HCH-delta | ND | 0.10 | 11 | н | 11 | u. | u. | | |
| HCH-gamma (Lindane) | ND | 0.20 | N. | п | .8 | 0 | .91 | 11 | |
| Chlordane | ND | 0.050 | N | | н | ų | | н | |
| 4,4'-DDD | ND | 0.010 | Н | .0 | н | . 0 | | н | |
| 4,4'-DDE | ND | 0.010 | л | U. | п | 11 | н | н | |
| 4,4'-DDT | ND | 0.010 | U. | 11 | II. | 11 | 0 | п | |
| Dieldrin | ND | 0.020 | 11 | 11 | 9 | 11 | п | н | |
| Endosulfan I | ND | 0.020 | | u | | ш | п | N . | |
| Endosulfan II | ND | 0.050 | 11 | 11 | 11 | 11 | л | n | |
| Endosulfan sulfate | ND | 0.050 | 11 | н | Π. | n. | н. | п | |
| Endrin | ND | 0.10 | н | и | 11 | н | | п | |
| Endrin aldehyde | ND | 0.050 | н | н | -9 | п | 0 | п | ан 1 Ал |
| Heptachlor | ND | 0.010 | н | n | 11 | п | н | 11 | |
| Heptachlor epoxide | ND | 0.010 | н | н | п | н | н | и. | |
| Toxaphene | ND | 1.0 | н | н | -n | 'n | n | -11 | |
| PCB-1016 | ND | 0.50 | н | н | п | n | .0 | 11 | |
| PCB-1221 | ND | 0.50 | н | н | . n | н | н | 11 | |
| | | 0.50 | | · | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax; (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



Г

PCB-1260

Surrogate: Decachlorobiphenyl

Surrogate: Tetrachloro-meta-xylene

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Dugonoskiowia | Project Nı Project Ma | umber: [no nager: An | ne] 1anda Arch | | | 0 | Reporte 11/14/13 | |
|--|----------------|--------------------------|-------------------------|-------------------|------------|----------|----------------|----------------------------|--|
| , | Organochlorin | Sierra A | | • | | | ð | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| S-B06-12-102913 (1310398-14) Liquid | Sampled: 10/29 | /13 03:20 | Received: | 10/29/13 | 13:50 | | | | ······································ |
| PCB-1232 | ND | 0.50 | μg/L | 1 | B3J3128 | 11/04/13 | 11/05/13 10:00 | EPA 608 | |
| PCB-1242 | ND | 0.50 | 11 | 11 | u. | 16 | 11 | . " | |
| PCB-1248 | ND | 0.50 | 11 | 11 | 11 | Ц | 0 | н | |
| PCB-1254 | ND | 0.50 | 11 | 11 | <u>11.</u> | .11 | 0 | 11 | |

42-147

42-147

"

"

.11

.11

12

"

"

#

н.

ND

0.50

50.8 %

78.4 %

| A | |
|-----------------------|--|
| | |
| SILR RA ANALYSICAL | |

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | oject: San I mber: [none] nager: Aman |] | | 13) | | Reported 11/14/13 1 | |
|--|-----------------|------------------------|---|------------|-----------------|-----------------|---------------|-------------------------------|------|
| | Total Petro | leum Hyd | lrocarbon | s (TPI | H) by GC | C/FID | | | |
| | | Sierra Ar | nalytical L | abs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B01-1A-102913 (1310398-01) Liquid | Sampled: 10/2 | 9/13 03:30 | Received: 1 | 0/29/13 | 13:50 | | | | · · |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 09:2 | 2 EPA 8015B | - |
| Surrogate: o-Terphenyl ` Jet-A | ND | <i>97.6 %</i> 0.050 | <i>60-17.</i> " | 5 " | <i>11</i> 11 | 11 11 | n N | л Л | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | <i>97.6 %</i> 0.050 | 60-17. | 5 " | <i>11</i> 11 | <i>11</i> 11 | 11 11- | n n | |
| Surrogate: o-Terphenyl | | 97.6 % | 60-17 | | " | ü | 11 | ". | |
| | Sampled: 10/29/ | | | | | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | | 4 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | 0.17 | 81.2 % 0.050 | 60-17 " | 5 | <i>11</i> | <i>ti</i> 11 | 11 11 | n | D-4 |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.25 | 81.2 % 0.050 | 60-17 " | 5 | " | <i>11</i> 11 | 11 | 11 11 | D-4 |
| Surrogate: o-Terphenyl | | 81.2 % | 60-17 | 5 | п | " | 11 | " | |
| C-B05-4-102913 (1310398-03) Liquid | Sampled: 10/29 | /13 03:45 R | Received: 10 | /29/13 1 | 3:50 | | | | |
| Diesel Range Organics (C10-C24) | ŅD | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 09:4 | 5 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | <i>86.4 %</i> 0.050 | 60-17 | 5 | // 11 | <i>11</i> | n H | <i>11</i> 11 | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.15 | <i>86.4 %</i> 0.050 | 60-17 | 5 .11 | <i>11</i> 11 | <i>11</i> 11 | и И | <i>11</i> 11 | |
| Surrogate: o-Terphenyl | | 86.4 % | 60-17 | 5 | " | " | 11 | " | |
| C-B06-5A-102913 (1310398-04) Liquid | Sampled: 10/2 | 29/13 04:30 | Received: 1 | 0/29/13 | 13:50 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 09:5 | 6 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | 94.0 % 0.050 | 60-17 " | '5 " | <i>11</i> | <i>11</i> | // 17 | и 11 | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | <i>94.0 %</i> 0.050 | 60-17 " | '5 " | // H | 17 H | 11 11 | 17 11 | |
| Surrogate: o-Terphenyl | | 94.0 % | 60-17 | ۲ ۶ | " | " | " | " | • |

| Â |
|------------------------------|
| |
| S. I. (R. 8. A ANALYS BAL |

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur | oject: San I nber: [none ager: Aman |] | | 13) | | Reported 11/14/13 1 | |
|--|--------------------|--------------------|---|----------|------------|-----------------|-----------------|-------------------------------|------|
| | Total Petro | oleum Hyd | lrocarbon | ıs (TPI | H) by G(| C/FID | | | |
| | | Sierra An | alytical L | labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B07-6-102913 (1310398-05) Liquid | Sampled: 10/29 | /13 04:00 R | eceived: 10/ | 29/13 1 | 3:50 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 10:0 | 8 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | 76.4 % 0.050 | <i>60-17</i> . " | 5 " | " | <i>11</i> 11 | 11- 11 | 11 11 | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | 0.24 | 76.4 % 0.050 | 60-17. " | 5 " | " | <i>11</i> 11 | 11- 11 | <i>n</i> H | |
| Surrogate: o-Terphenyl | S | 76.4 % | 60-17. | - | " | " | 11 | H | |
| C-B07-7-102913 (1310398-06) Liquid | ND | 0.050 | | | | 10/20/10 | 11/05/10 10 1 | | |
| Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl | ND | 93.2 % | mg/L 60-17 | 1 | B3K0541 | 10/30/13 | 11/05/13 10:1 | 9 EPA 8015B | |
| Jet-A | ND | 93.2 % 0.050 | n 00-17. | " | н | н | 11 | N | |
| Surrogate: o-Terphenyl | · · · · · | 93.2 % | 60-17 | 5 | " | " | п | " | |
| Oil Range Organics (C22-C36) | 0.14 | 0.050 | 11 | ¥I. | 11 | U. | n. | Ú . | |
| Surrogate: o-Terphenyl | | 93.2 % | 60-17. | 5 | | " | н | <i>II</i> | |
| C-B08-8-102913 (1310398-07) Liquid | Sampled: 10/29 | /13 02:40 R | eceived: 10/ | /29/13 1 | 3:50 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 10:3 | 0 EPA 8015B | |
| Surrogate: o-Terphenyl | | 84.0 % | 60-17. | 5 | " | " | " | н | |
| Jet-A | ND | 0.050 | H | 11 | н | N | 11 | н | |
| Surrogate: o-Terphenyl | | 84.0 % | 60-17 | | " | " | 11 | " | |
| Oil Range Organics (C22-C36) | 0.15 | 0.050 | n | 11 | " | | н | н | |
| Surrogate: o-Terphenyl | | 84.0 % | 60-17. | 5 | " | " | " | n | |
| C-B09-10B-102913 (1310398-08) Liqu | id Sampled: 10/ | /29/13 03:00 | Received: | 10/29/13 | 3 13:50 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 10:4 | 2 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ' ND | 79.2 % 0.050 | 60-17. " | 5 " | <i>"</i> " | <i>11</i> | <i>11</i> 11 | // N | |
| Surrogate: o-Terphenyl | | 79.2 % | 60-17 | 5 | " | " | " | " | |
| Oil Range Organics (C22-C36) | 0.23 | 0.050 | | v | 11. | п | n | n | |
| Surrogate: o-Terphenyl | | 79.2 % | 60-17 | 5 | | 71 | 11. | " | |



Oil Range Organics (C22-C36)

Surrogate: o-Terphenyl

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | | mber: [no | ne] | Airport (20 Menhold | 13) | | Reported 11/14/13 1 | |
|--|---------------|----------------------|-----------|------------|------------------------|-----------------|----------------|------------------------|-------------|
| | Total Petro | oleum Hyo | drocarb | ons (TP | H) by GO | C/FID | | - <u>-</u> | |
| | | Sierra Ai | nalytical | l Labs, I | nc. | • | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B12-9A-102913 (1310398-09) Liquid | Sampled: 10/2 | 9/13 03:10 | Received | : 10/29/13 | 13:50 | | ; . | • | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 10:53 | EPA 8015B | |
| Surrogate: o-Terphenyl | | 85.2 % | 60- | 175 | ıı | " | " | ". | |
| Jet-A | ND | 0.050 | u | 'n | 41 | . ¹¹ | u | -11 | |
| Surrogate: o-Terphenyl | | 85.2 % | 60- | 175 | " | " | " | 11 | ÷ |
| Oil Range Organics (C22-C36) | 0.18 | 0.050 | n | U, | 11 | n | u | li - | |
| Surrogate: o-Terphenyl | | 85.2 % | 60- | 175 | " | " | " | " | |
| C-B06-5A-102913-BLK (1310398-10) Li | iquid Sampled | 1: 10/29/13 0 | 4:30 Re | ceived: 10 | /29/13 13:5 | 0 | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 11:04 | EPA 8015B | |
| Surrogate: o-Terphenyl | | 88.8 % | 60- | 175 | " | v | 11 | " | |
| Jet-A | ND | 0.050 | н | н | u | н | u | u. | |
| Surrogate: o-Terphenyl | | 88.8 % | 60- | 175 | n | " | " | -11 | |
| Oil Range Organics (C22-C36) | ND | 0.050 | n | n | Ш | 11 | | 11 | |
| Surrogate: o-Terphenyl | | 88.8 % | 60- | 175 | 11 | " | 11 | n | |
| C-B08-8-102913-DUP (1310398-11) Liq | uid Sampled: | 10/29/13 02 | :40 Rece | ived: 10/2 | 9/13 13:50 | | , | | |
| Diesel Range Organics (C10-C24) | ·ND | 0.050 | mg/L | 1 | B3K0541 | 10/30/13 | 11/05/13 11:16 | 5 EPA 8015B | ···· ·· ··· |
| Surrogate: o-Terphenyl | | 85.6 % | 60- | 175 | " | " | " | " | |
| Jet-A | ND | 0.050 | 11 | н | н | D . | н | N | |
| Surrogate: o-Terphenyl | | 85.6 % | 60- | 175 - | .11 | " | " | " | |
| | 0.12 | 0.050 | | u. | н | | н | п | |

n

60-175

0.050

85.6 %

n

11

11

"

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

0.13



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [no | n Diego A ne] 1anda Arch | arport (20 | 13) | | Reported 11/14/13 1 | |
|--|----------------|-------------|-----------|--------------------------------|------------|----------|----------------|-------------------------------|-------|
| | olynuclear A | | | | | hod 831(|)) | 11/14/15/1 | 0.50 |
| 1 | orynucical E | Sierra Ai | - | - | | 100 031 | , | | |
| <u> </u> | | Reporting | | | | | ···· | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B01-1A-102913 (1310398-01) Liquid | Sampled: 10/2 | 29/13 03:30 | Received | : 10/29/13 | 13:50 | | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3K0739 | 11/04/13 | 11/11/13 13:51 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | 11 | н | u. | н | n | " | |
| Acenaphthene | ND | 1.00 | 11 | н | u. | | н | " | |
| Fluorene | ND | 0.100 | н | n | 11 | 11 | н | " | |
| Phenanthrene | ND | 0.100 | н | н | 11 | 11 | н | n | |
| Anthracene | ND | 0.0500 | н | n | н | 11 | н | 11 | |
| Fluoranthene | ND | 0.100 | n | | н | 11 | н | 9 | |
| Pyrene | ND | 0.100 | n | u. | н | 11 | н | 3 - 10 | |
| Benzo (a) anthracene | ND | 0.0500 | н | | n | | n | 11 | |
| Chrysene | ND | 0.100 | н | 0 | н | 11 | и. | 11 | |
| Benzo (b) fluoranthene | ND | 0.100 | 0 | н | н | н | n | 11 | |
| Benzo (k) fluoranthene | ND | 0.0500 | 11 | н | H. | H. | n | 11 | |
| Benzo (a) pyrene | ND | 0.0500 | 0 | н | W. | н | н | 11 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 11 | н | 47 | н | н | 11 | |
| Benzo (g,h,i) perylene | ND | 0.100 | 11 | 11 | 11 | н | н | 11 | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | 11 | n | 11 | н | H. | II | |
| Surrogate: Decafluorobiphenyl | | 56.4 % | 30- | 115 | " | " | н | n | |
| C-B03-2-102913 (1310398-02) Liquid | Sampled: 10/29 | /13 03:55 I | Received: | 10/29/13 1 | 3:50 | · . | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3K0739 | 11/04/13 | 11/11/13 13:51 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | н | " | н | 11 | 11 | n | |
| Acenaphthene | ND | 1.00 | н | | n | 11 | 11 | n | |
| Fluorene | ND | 0.100 | н | " | н | 11 | u. | н , | |
| Phenanthrene | ND | 0.100 | н | 1ľ | · N | 11 | u. | R. | |
| Anthracene | ND | 0.0500 | н | 11 | n | 11 | 11 | n | |
| Fluoranthene | ND | 0.100 | н | 11 | и | 11 | 11 | n | |
| Pyrene | ND | 0.100 | 0 | 11 | н | 11 | n | п | |
| Benzo (a) anthracene | ND | 0.0500 | 11 | 11 | н | " | -11 | н | |
| Chrysene | ND | 0.100 | 11 1 | 11 | н | " | u. | 11 | |
| Benzo (b) fluoranthene | ND | 0.100 | н | 11 | н | | п | н | |
| Benzo (k) fluoranthene | ND | 0.0500 | н | 11 | н | | n | 11 | |
| Benzo (a) pyrene | ND | 0.0500 | н | 11 | и | | н | 11 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | н | 11 | н | н | н | 11 | |
| Benzo (g,h,i) perylene | ND | 0.100 | n | 11 | И | n | н | 11 | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | n | 11 | 11 | ۳. | H | 11 | |
| Surrogate: Decafluorobiphenyl | | 82.6 % | 30- | 115 | " | " | " | " | |



Pyrene

Chrysene

Benzo (a) anthracene

Benzo (b) fluoranthene

Benzo (k) fluoranthene

Dibenzo(a,h)anthracene

Indeno (1,2,3-cd) pyrene

Surrogate: Decafluorobiphenyl

Benzo (g,h,i) perylene

Benzo (a) pyrene

| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |

Polynuclear Aromatic Compounds by EPA Method 8310

| | | Sierra An | alytical | l Labs, I | nc. | | | |
|------------------------------------|-----------------|--------------------|----------|------------|---------|----------|----------------|----------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method |
| C-B05-4-102913 (1310398-03) Liquid | Sampled: 10/29/ | /13 03:45 R | eceived: | 10/29/13 1 | 3:50 | | · · · | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3K0739 | 11/04/13 | 11/11/13 13:51 | EPA 8310 |
| Acenaphthylene | ND | 1.00 | 8 | IF. | 11 | 11 | н | 'n |
| Acenaphthene | ND | 1.00 | н | ж | н | 11 | 11 | н |
| Fluorene | ND | 0.100 | 11 | n | н | 11 | п | н |
| Phenanthrene | ND | 0.100 | 9 | u | 11 | | 11 | II |
| Anthracene | ND | 0.0500 | 11 | 11 | 0 | н | 11 | 11 |
| Fluoranthene | ND | 0.100 | н | 11 | · 11 | н | n | н |

н

в

...

11

30-115

u,

,ı

ш

н

"

п

n

11

н

в

н

п

"

н

"

C-B06-5A-102913 (1310398-04) Liquid Sampled: 10/29/13 04:30 Received: 10/29/13 13:50

ND

ND

ND

ND

ND

ND

ND

ND

ND

0.100

0.0500

0.100

0.100

0.0500

0.0500

0.100

0.100

0.100

53.6%

| Naphthalene | ND | 0.500 | μg/L | 1 | B3K0739 | 11/04/13 | 11/11/13 13:51 | EPA 8310 | |
|-------------------------------|------|--------|------|-----|---------|----------|-----------------|----------|--|
| Acenaphthylene | ND | 1.00 | н | 11 | 0 | н | н | n | |
| Acenaphthene | ND | 1.00 | н | 11 | 11 | н | н | n | |
| Fluorene | ND | 0.100 | 0 | , u | υ | n | и | н | |
| Phenanthrene | ND | 0.100 | 0 | N | н | 11 | u. | н | |
| Anthracene | ND | 0.0500 | л | 8 | " | u. | 11 | н | |
| Fluoranthene | ND | 0.100 | n | п | н | 11 | 11 | u | |
| Pyrene | ND | 0.100 | и | .0 | н | | " | н | |
| Benzo (a) anthracene | ND | 0.0500 | М | н | н | " | 11 | | |
| Chrysene | ND | 0.100 | н | U | n | | 11 | | |
| Benzo (b) fluoranthene | ND | 0.100 | Н | u. | n | " | чг [.] | и | |
| Benzo (k) fluoranthene | ND | 0.0500 | н | 0 | | | u. | н | |
| Benzo (a) pyrene | ND | 0.0500 | н | u | n | 0 | 11 | п | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 'n | . 0 | n | | | н | |
| Benzo (g,h,i) perylene | ND | 0.100 | н | u. | u | | н | н | |
| Indeno (1,2,3-cd) pyrene | . ND | 0.100 | н | и | . II | u | н | μ | |
| Surrogate: Decafluorobiphenyl | | 92.0 % | 30 | 115 | " | " | " | п | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET

Notes



| AMEC 9177 Sky Park Court Suite A | | Pı Project Nu | oject: Sai mber: [no | n Diego A me] | irport (20 | 13) | | Reported | : |
|---|-----------------|--------------------|-------------------------|------------------|------------|----------|----------------|-------------|------|
| San Diego CA, 92123 | | Project Mar | | - | enhold | | | 11/14/13 10 | |
| | iclear A | Aromatic C | | | | hod 831(|) | | |
| | | Sierra Aı | nalytical | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B06-5A-102913-BLK (1310398-10) Liquid | Sample | d: 10/29/13 0 | 4:30 Re | ceived: 10/ | 29/13 13:5 | 0 | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3K0739 | 11/04/13 | 11/11/13 13:51 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | ** | 11 | n | н | н | u. | |
| Acenaphthene | ND [•] | 1.00 | 11 | . 11 | u. | н | н | 11 | |
| Huorene | ND | 0.100 | | н | n | н | н | 0 | |
| Phenanthrene | ND | 0.100 | 11 | М | 11 | 11 | н | 11 | |
| Anthracene | ND | 0.0500 | 11 | м | 11 | . 11 | н | 11 | |
| luoranthene | ND | 0.100 | H- | . 11 | 11 | n | н | 11 | |
| Pyrene | ND | 0.100 | | н | 11 | 17 | н | R. | |
| Benzo (a) anthracene | ND | 0.0500 | н | 11 | 11 | 11 | 94 | 11 | |
| Chrysene | ND | 0.100 | н | 11 | и : | 11 | н | 11 | |
| Benzo (b) fluoranthene | ND | 0.100 | н | n | н | 11 | 11 | B. | |
| Benzo (k) fluoranthene | ND | 0.0500 | н | | н | 9 | 11 | If | |
| Benzo (a) pyrene | ND | 0.0500 | н | | ́н | 11 | 11 | 11 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | п | u. | н | U. | 11 | 11 | |
| Benzo (g,h,i) perylene | ND | 0.100 | н | | н | 11 | | ŧŀ | |
| ndeno (1,2,3-cd) pyrene | ND | 0.100 | н | n | н | 11 | н | 11 | |
| Surrogate: Decafluorobiphenyl | | 52.8 % | 30- | 115 | " | н | n | " | |
| 5-B06-12-102913 (1310398-14) Liquid Samp | led: 10/2 | 9/13 03:20 J | Received: | 10/29/13 | 13:50 | | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3K0739 | 11/04/13 | 11/11/13 13:51 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | н | " | 11 | 11 | 'n | 0 | |
| Acenaphthene | ND | 1.00 | н | 11 | 11 | 11 | н | н | |
| Fluorene | ND | 0.100 | н | н. | 11 | н | 11 | 7 H | |
| Phenanthrene | ND | 0.100 | н | | 11 | н | U. | н | |
| Anthracene | ND | 0.0500 | н | n | 11 | n | н | н | |
| Fluoranthene | ND | 0.100 | п | п. | 0 | n | 11 | н | |
| Pyrene | ND | 0.100 | н | н | 0 | n | 11 | н | |
| Benzo (a) anthracene | ND | 0.0500 | н | н | H. | н | 11 | и | |
| Chrysene | ND | 0.100 | н | н | II. | n | 11 | и | |
| Benzo (b) fluoranthene | ND | 0.100 | н | н | n | п. | 11. | 11 | |
| Benzo (k) fluoranthene | ND | 0.0500 | 19 | н | ч. | 0 | п | a | |
| Benzo (a) pyrene | ND | 0.0500 | | н | n | 11 | н | 41 | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 11 | 11 | n | 11 | н | н | |
| | | | | | | 11 | | | |
| Benzo (g,h,i) perylene ndeno (1,2,3-cd) pyrene | ND ND | 0.100 0.100 | " | . М | n | 11 | a | н | |

,



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | · · | Project Nu | nber: [no | n Diego Ai one] nanda Arche | | 013) | | | Reporte 11/14/13 | |
|--|-----------|--------------------|-----------|-----------------------------------|------------------|-----------|----------------|------------|----------------------------|-------|
| | Metals by | EPA 200 Se | eries Mo | ethods - Qu | uality C | ontrol | | | | |
| | | Sierra An | alytica | ıl Labs, Ir | ıc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J2939 - EPA 200 Series | | | | | | | | , <u> </u> | | |
| Blank (B3J2939-BLK1) | | | | Prepared: | 10/29/13 | Analyzed: | 11/04/13 | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | | | | · · | | |
| CE (D2 12020 DE1) | | | | Prenared | 10/29/13 | Analyzed: | 11/04/13 | | | |
| LCS (B3J2939-BS1) Hexavalent Chromium | 0.00277 | 0.0020 | mg/L | 0.00300 | 10/2/15 | 92.3 | 85-115 | | | |
| | | | | | | | | | | |
| Matrix Spike (B3J2939-MS1) | | rce: 131039 | | | | Analyzed | | | | |
| Hexavalent Chromium | 0.00301 | 0.0020 | mg/L | 0.00300 | ND | 100 | 80-120 | | • | |
| Matrix Spikc Dup (B3J2939-MSD1) | Sou | irce: 131039 | 8-01 | Prepared: | 10/29/13 | Analyzed: | 11/04/13 | | | |
| Hexavalent Chromium | 0.00329 | 0.0020 | mg/L | 0.00300 | ND | 110 | 80-120 | 8.89 | 20 | |
| | | | | • | | | | | | |
| Batch B3J2949 - EPA 200 Series | | | | | | | | | | |
| Blank (B3J2949-BLK1) | | | | Prepared: | 10/29/13 | Analyzed | : 10/31/13 | | | |
| Aluminum | ND | 25 | μg/L | | | | | | | |
| Arsenic | ND | 3.0 | 17 | | | | | | | |
| Cadmium | ND | 2.0 | н | | | | | | | |
| Chromium | ND | 3.0 | 11 | | | | | | | |
| Copper | ND | 1.0 | н | | | | | | | |
| Iron | ND | 0.025 | mg/L | | | | | | | |
| Lead | ND | 1.0 | μg/L | | | | | | | |
| Nickel | ND | 5.0 | | | | | | | | |
| Silver | ND | 1.5 | 11 | | | | | | | |
| Zinc | ND | 1.0 | n | | | | | | | |
| Blank (B3J2949-BLK2) | | | | Prepared: | 10/29/13 | Analyzed | : 10/31/13 | | | |
| Aluminum | ND | 25 | μg/L | | • | J | | | | |
| Arsenic | ND | 3.0 | 10 | | | | | | | |
| Cadmiun | ND | 2.0 | н | | | | | | | |
| Chromium | ND | 3.0 | 11 | | | | | | | |
| Copper | . ND | 1.0 | н. | | | | | | | |
| Iron | ND | 0.025 | mg/L | | | | | | | |
| Lead | ND | 1.0 | μg/L | | | | | | | |
| Nickel | ND | 5.0 | , С | 1 | | | | | | |
| Silver | ND | 1.5 | н | | | | | | | |
| Zinc | ND | 1.0 | н | | | | | | | |

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | nber: [n | n Diego A one] nanda Arch | | 013) | | | Reporte 11/14/13 | |
|--|-----------|--------------------|-------------|---------------------------------|------------------|----------|----------------|-----|----------------------------|----------|
| | Metals by | EPA 200 Se | eries Me | ethods - Q | uality Co | ontrol | | | | |
| | | Sierra An | alytica | l Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J2949 - EPA 200 Series | | | | | | | | | | |
| LCS (B3J2949-BS1) | | | | Prepared: | 10/29/13 | Analyzed | : 10/31/13 | | | - Carbon |
| luminum | 97.1 | 25 | μg/L | 100 | <u> </u> | 97,1 | 85-115 | | | |
| Arsenic | 105 | 3.0 | н. | 100 | | 105 | 85-115 | | | |
| Cadmium | 99.3 | 2.0 | | 100 | | 99.3 | 85-115 | | | |
| Chromium | 101 | 3.0 | " | 100 | | 101 | 85-115 | | | |
| Copper | 109 | 1.0 | | 100 | | 109 | 85-115 | | | |
| ron | 0.104 | 0.025 | mg/L | 0.100 | | 104 | 85-115 | | | |
| lead | 98,0 | 1.0 | μg/L | 100 | | 98.0 | 85-115 | | | |
| lickel | 101 | 5.0 | | 100 | | 101 | 85-115 | | | |
| ilver | 102 | 1.5 | н | 100 | | 102 | 85-115 | | | |
| linc | 98.5 | 1.0 | n | 100 | | 98.5 | 85-115 | | | |
| LCS (B3J2949-BS2) | | | | Prepared: | 10/29/13 | Analyzed | : 10/31/13 | | | |
| Aluminum | 93.4 | 25 | μg/L | 100 | | 93.4 | 85-115 | | | |
| Arsenic | 110 | 3.0 | u. | 100 | | 110 | 85-115 | | | |
| admium | 99.4 | 2.0 | 11 | 100 | | 99.4 | 85-115 | | | |
| Chromium | 100 | 3.0 | | 100 | | 100 | 85-115 | | | |
| opper | 96.1 | 1.0 | 11 | 100 | | 96.1 | 85-115 | | | |
| ron | 0.103 | 0.025 | mg/L | 0.100 | | 103 | 85-115 | | | |
| ead | 89.8 | 1.0 | μg/L | 100 | | 89.8 | 85-115 | | | |
| Jickel | 105 | 5.0 | 11 | 100 | | 105 | 85-115 | | | |
| ilver | 104 | 1.5 | " | 100 | | 103 | 85-115 | | | |
| Cinc | 101 | 1.0 | -11 | 100 | | 102 | 85-115 | | | |
| Matrix Spike (B3J2949-MS1) | Sor | irce: 131039 | 8-10 | Prepared: | 10/29/13 | Analyzed | : 10/31/13 | | • | |
| Aluminum | 101 | 25 | μg/L | 100 | ND | 101 | 70-130 | | | |
| rsenic | 110 | 3.0 | " | 100 | ND | 110 | 70-130 | | | |
| admium | 104 | 2.0 | 11 | 100 | ND | 104 | 70-130 | | | |
| chromium | 106 | 3.0 | н | 100 | ND | 106 | 75-130 | | | |
| opper. | 110 | 1.0 | н | 100 | 0.90 | 109 | 70-130 | | | |
| TON | 0.111 | 0.025 | mg/L | 0.100 | ND | 111 | 70-130 | | | |
| ead | 98.7 | 1.0 | μg/L | 100 | 0.70 | 98.0 | 70-130 | | | |
| lickel | 106 | 5.0 | μg/12 11 | 100 | ND | 106 | 70-130 | | | |
| ilver | 106 | 1.5 | -11 | 100 | ND | 106 | 70-130 | | | |
| Zinc | 110 | 1.5 | Ĥ | 100 | 0.20 | 110 | 70-130 | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | nber: [no | m Diego A one] nanda Arch | |)13) | | | Reporte 11/14/13 | |
|--|--------------------|--------------------|---------------------|---------------------------------|------------------|----------|----------------|-------|----------------------------|-------|
| · · · · · · · · · · · · · · · · · · · | Metals by F | EPA 200 Se | eries Me | ethods - Q | uality Co | ontrol | | | | |
| | • | Sierra An | alytica | d Labs, Ir | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J2949 - EPA 200 Series | · | | | | | | | | · | |
| Matrix Spike (B3J2949-MS2) | Sou | rce: 131039 | 8-11 | Prepared: | 10/29/13 | Analyzed | 1: 10/31/13 | | | |
| Aluminum | 137 | 25 | μg/L | 100 | 36 | 101 | 70-130 | , | | |
| Arsenic | 103 | 3.0 | u, C | 100 | ND | 103 | 70-130 | | | |
| Cadinium | 102 | 2.0 | | 100 | ND | 102 | 70-130 | | | |
| Chromium | 102 | 3.0 | n | 100 | ND | 102 | 75-130 | | | |
| Copper | 165 | 1.0 | | 100 | 57 | 108 | 70-130 | | | |
| ron | 0,156 | 0.025 | mg/L | 0.100 | 0.054 | 102 | 70-130 | | | |
| Lead | 87,9 | 1.0 | μg/L | 100 | ND | 87.9 | 70-130 | | | |
| lickel | 104 | 5.0 | r-8 — II | 100 | 3.5 | 100 | 70-130 | | | |
| Silver | 102 | 1.5 | n | 100 | 0.30 | 102 | 70-130 | | | |
| Zinc | 240 | 1.0 | 11 | 100 | 130 | 110 | 70-130 | | | |
| Matrix Spike Dup (B3J2949-MSD1) | Sou | rce: 131039 | 8-10 | Prepared: | 10/29/13 | Analyzed | 1: 10/31/13 | | | |
| Aluminum | 98.4 | 25 | μg/L | 100 | ND | 98.4 | 70-130 | 2.61 | 30 | |
| Arsenic | 106 | 3.0 | 11 | 100 | ND | 106 | 70-130 | 3.70 | 30 | |
| Cadmium | 103 | 2.0 | н | 100 | ND | 103 | 70-130 | 0.966 | 30 | |
| Chromium | 105 | 3.0 | н : | 100 | ND | 105 | 75-130 | 0.948 | 30 | |
| Copper | 107 | 1.0 | 9 | 100 | 0.90 | 106 | 70-130 | 2.76 | 30 | |
| ron | 0.105 | 0.025 | mg/L | 0.100 | ND | 105 | 70-130 | 5.56 | 30 | |
| Lead | 101 | 1.0 | μg/L | 100 | 0,70 | 100 | 70-130 | 2.30 | 30 | |
| Nickel | 105 | 5.0 | μ <u>β</u> <u>μ</u> | 100 | ND | 105 | 70-130 | 0.948 | 30 | |
| Silver | 103 | 1.5 | я | 100 | ND | 103 | 70-130 | 1.90 | 30 | |
| Zine | 101 | 1.0 | n | 100 | 0.20 | 101 | 70-130 | 8.53 | 30 | |
| Matrix Spike Dup (B3J2949-MSD2) | · Sou | rce: 131039 | 8-11 | Prepared: | 10/29/13 | Analyzed | 1: 10/31/13 | | | |
| Aluminum | 134 | 25 | μg/L | 100 | 36 | 98.0 | 70-130 | 2,21 | 30 | |
| Arsenic | 106 | 3.0 | 11 | 100 | ND | 106 | 70-130 | 2.87 | 30 | |
| Cadmium | 97.9 | 2.0 | 11 | 100 | ND | 97.9 | 70-130 | 4.10 | 30 | |
| | 103 | 3.0 | -n | 100 | ND | 103 | 75-130 | 0.976 | 30 | |
| hromum | 163 | 1.0 | н | 100 | 57 | 105 | 70-130 | 1.22 | 30 | |
| • | | 1.0 | | | | 103 | 70-130 | 0.639 | 30 | |
| Copper | | 0.025 | ma/I | 0 100 | 0.054 | | | | | |
| Copper (ron | 0.157 | 0,025 | mg/L | 0.100 | 0.054 ND | | | | | |
| Chromium Copper Iron Lead | 0.157 118 | 1.0 | μg/L | 100 | ND | 118 | 70-130 | 29.2 | 30 | |
| Copper Iron | 0.157 | | - | | | | | | | |

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [n | an Diego A one] manda Arch | · · |)13) | | | Reporte 11/14/13 1 | |
|--|-------------|--------------------|----------|----------------------------------|------------------|------------|----------------|------|------------------------------|-------|
| | Metals by] | EPA 200 So | eries M | ethods - Q | uality Co | outrol | | | | |
| | | Sierra Ar | nalytica | al Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3J3042 - EPA 200 Series | | | | | | | | | | |
| Blank (B3J3042-BLK1) | | | | Prepared | & Analyze | d: 10/30/3 | 13 | | | |
| Mercury | ND | 0,00030 | mg/L | | | | | | | |
| LCS (B3J3042-BS1) | | | | Prepared | & Analyze | d: 10/30/3 | 13 | | | |
| Mercury | 0.00110 | 0.00030 | mg/L | 0.00100 | | 110 | 75-125 | | | |
| Matrix Spike (B3J3042-MS1) | Sou | irce: 131039 | 8-01 | Prepared | & Analyze | ed: 10/30/ | 13 | | | |
| Mercury | 0.00077 | 0.00030 | mg/L | 0.00100 | 0.00002 | 75.0 | 75-125 | | | |
| Matrix Spike Dup (B3J3042-MSD1) | Sou | irce: 131039 | 8-01 | Prepared | & Analyze | ed: 10/30/ | 13 . | | | |
| Mercury | 0.00077 | 0.00030 | mg/L | 0.00100 | 0.00002 | 75.0 | 75-125 | 0.00 | 20 | |



| als (Dissolve | d) by EPA | | | | | | | 11/14/13 1 | 0:56 |
|---------------|--|---|---|---|---|---|--|--|--|
| | | 200 Ser | ies Methoo | ls - Qua | lity Contr | ol | • | | |
| | Sierra Ar | nalytica | l Labs, In | ıc. | | | | | |
| Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| | | | | | | | | | |
| | | | Prepared: | 10/29/13 | Analyzed: | 11/04/13 | | | |
| ND | 0.0020 | mg/L | | | | | | | |
| | | | Prepared: | 10/29/13 | Analyzed: | 11/04/13 | | | |
| 0.00298 | 0,0020 | mg/L | 0.00300 | | 99.3 | 85-115 | | | |
| Sou | urea: 131030 | 8-01 | Prenared | 10/29/13 | Analyzed | 11/04/13 | | | |
| | | | 0.00300 | ND | 100 | 80-120 | | | |
| | | | | | | | | | |
| | | | | | - | | 0 222 | 20 | |
| 0.00302 | 0,0020 | mg/L | 0.00300 | ND | 101 | 80-120 | 0.332 | 20 | |
| | | | | | | | | | |
| | | | Prepared a | & Analyz | ed: 10/30/1 | 3 | | | |
| ND | 0.00073 | mg/L | | | | | | | |
| • | | | Propaged | & Analyz | ad: 10/30/1 | 3 | | | |
| 0.00106 | 0.00073 | mg/L | ^ | x Analyz | | | | · · · | |
| | | _ | | | | | | | |
| | | | | | | | | | |
| 0.00085 | 0,00073 | mg/L | 0.00100 | ND | 85,0 | 80~120 | | | |
| | | | | | | | | | |
| 0.00086 | 0.00073 | mg/L | 0.00100 | ND | 86.0 | 80-120 | 1.17 | 20 | |
| | | | | | | | | | |
| | | | Prepared | 10/30/13 | Analyzed | 10/31/13 | | | |
| ND | 3.0 | μg/L | * | 1010 01 10 | | | i | | |
| ND | 2.0 | " | | | | | | | |
| ND | 3.0 | 11 | | | | | | | |
| ND | 1.0 | 11 | | | | | | | |
| ND | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| LND | • 1.0 | | | | | • | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | ND 0.00298 Sou 0.00301 Sou 0.00302 ND 0.00106 Sou 0.00085 Sou 0.00086 ND ND ND ND ND ND ND | ND 0.0020 0.00298 0.0020 Source: 131039 0.00301 0.0020 Source: 131039 0.00302 0.0020 Source: 131039 0.00106 0.00073 Source: 131039 0.00106 0.00073 Source: 131039 0.00085 0.00073 Source: 131039 0.00086 0.00073 ND ND 3.0 ND 2.0 ND 3.0 ND 1.0 ND 5.0 ND 1.5 | ND 0.0020 mg/L 0.00298 0.0020 mg/L Source: 1310398-01 0.00301 0.0020 mg/L Source: 1310398-01 0.00302 0.0020 mg/L 0.00302 0.0020 mg/L 0.00302 0.0020 mg/L 0.00106 0.00073 mg/L 0.00085 0.00073 mg/L Source: 1310398-01 0.00086 0.00073 mg/L ND 3.0 mg/L ND 3.0 " ND 3.0 " ND ND 3.0 " ND ND ND 1.0 " ND ND ND ND | ND 0.0020 mg/L ND 0.0020 mg/L Prepared: 0.00298 0.0020 mg/L 0.00300 Source: 1310398-01 Prepared: 0.00301 0.0020 mg/L 0.00300 Source: 1310398-01 Prepared: 0.00302 0.0020 mg/L 0.00300 Source: 1310398-01 Prepared: 0.00302 0.0020 mg/L 0.00300 ND 0.00073 mg/L 0.00100 Source: 1310398-01 Prepared and and and and and and and and and an | ND 0.0020 mg/L Prepared: 10/29/13 0.00298 0.0020 mg/L 0.00298 0.0020 mg/L 0.00300 Source: 1310398-01 Prepared: 10/29/13 0.00301 0.0020 mg/L 0.00302 mg/L 0.00300 Source: 1310398-01 Prepared: 0.00302 0.0020 mg/L 0.00300 ND 0.0020 mg/L 0.00300 ND 0.0020 mg/L 0.00300 ND 0.0020 mg/L 0.00300 ND ND 0.0020 mg/L 0.00300 ND Source: 1310398-01 Prepared & Analyz 0.00106 0.00073 mg/L 0.00100 ND Source: 1310398-01 Prepared & Analyz 0.00085 0.00073 mg/L 0.00100 ND Source: 1310398-01 Prepared & Analyz 0.00086 0.00073 <td< td=""><td>ND 0.0020 mg/L ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 0.00298 0.0020 mg/L 0.00300 99.3 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 0.00301 0.0020 mg/L 0.00300 ND 100 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 0.00302 0.0020 mg/L 0.00300 ND 101 Prepared: 10/29/13 Analyzed: 0.00302 0.0020 mg/L 0.00300 ND 101 Prepared: 10/29/13 Analyzed: 0.00302 0.0020 mg/L 0.00300 ND 101 Prepared & Analyzed: 10/30/1 0.00106 0.00073 mg/L 0.00100 ND 85.0 Source: 1310398-01 Prepared & Analyzed: 10/30/1 0.000086 0.00073 mg/L</td><td>Prepared: 10/29/13 Analyzed: 11/04/13 ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 11/04/13 0.00298 0.0020 mg/L Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00301 0.0020 mg/L 0.00300 ND 100 85-115 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00301 0.0020 mg/L 0.00300 ND 100 80-120 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00300 ND 101 80-120 ND 0.0020 mg/L 0.00300 ND 101 80-120 Prepared & Analyzed: 10/30/13 mg/L 0.00100 ND 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 Prepared & Analyzed: 10/30/13 0.00085 0.00073 mg/L 0.00100 ND 85.0 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 ND 1.0 1.0 1.0 0.000</td><td>Prepared: 10/29/13 Analyzed: 11/04/13 ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 11/04/13 0.00298 0.0020 mg/L 0.00300 99.3 85-115 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00301 0.0020 mg/L 0.00300 ND 100 80-120 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00302 0.0020 mg/L 0.00300 ND 100 80-120 0.332 0.00302 0.0020 mg/L 0.00300 ND 101 80-120 0.332 0.00302 0.0020 mg/L 0.00300 ND 1030/13 0.332 ND 0.00073 mg/L 0.00100 ND 85.0 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 1.17 0.00086 0.00073</td><td>ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 11/04/13 0.00298 0.0020 mg/L 0.00208 0.0020 mg/L 0.00298 0.0020 mg/L 0.00301 0.0020 mg/L 0.00301 0.0020 mg/L 0.00301 0.0020 mg/L 0.00302 0.0020 mg/L 0.00302 0.0020 mg/L 0.00300 ND 100 80-120 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00302 0.0020 mg/L 0.00300 ND 0.0020 mg/L 0.00300 ND 101 80-120 0.332 20 Prepared & Analyzed: 10/30/13 ND 0.00073 mg/L 0.00100 106 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 Output: 11/04/13 Output: 11</td></td<> | ND 0.0020 mg/L ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 0.00298 0.0020 mg/L 0.00300 99.3 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 0.00301 0.0020 mg/L 0.00300 ND 100 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 0.00302 0.0020 mg/L 0.00300 ND 101 Prepared: 10/29/13 Analyzed: 0.00302 0.0020 mg/L 0.00300 ND 101 Prepared: 10/29/13 Analyzed: 0.00302 0.0020 mg/L 0.00300 ND 101 Prepared & Analyzed: 10/30/1 0.00106 0.00073 mg/L 0.00100 ND 85.0 Source: 1310398-01 Prepared & Analyzed: 10/30/1 0.000086 0.00073 mg/L | Prepared: 10/29/13 Analyzed: 11/04/13 ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 11/04/13 0.00298 0.0020 mg/L Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00301 0.0020 mg/L 0.00300 ND 100 85-115 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00301 0.0020 mg/L 0.00300 ND 100 80-120 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00300 ND 101 80-120 ND 0.0020 mg/L 0.00300 ND 101 80-120 Prepared & Analyzed: 10/30/13 mg/L 0.00100 ND 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 Prepared & Analyzed: 10/30/13 0.00085 0.00073 mg/L 0.00100 ND 85.0 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 ND 1.0 1.0 1.0 0.000 | Prepared: 10/29/13 Analyzed: 11/04/13 ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 11/04/13 0.00298 0.0020 mg/L 0.00300 99.3 85-115 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00301 0.0020 mg/L 0.00300 ND 100 80-120 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00302 0.0020 mg/L 0.00300 ND 100 80-120 0.332 0.00302 0.0020 mg/L 0.00300 ND 101 80-120 0.332 0.00302 0.0020 mg/L 0.00300 ND 1030/13 0.332 ND 0.00073 mg/L 0.00100 ND 85.0 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 1.17 0.00086 0.00073 | ND 0.0020 mg/L Prepared: 10/29/13 Analyzed: 11/04/13 0.00298 0.0020 mg/L 0.00208 0.0020 mg/L 0.00298 0.0020 mg/L 0.00301 0.0020 mg/L 0.00301 0.0020 mg/L 0.00301 0.0020 mg/L 0.00302 0.0020 mg/L 0.00302 0.0020 mg/L 0.00300 ND 100 80-120 Source: 1310398-01 Prepared: 10/29/13 Analyzed: 11/04/13 0.00302 0.0020 mg/L 0.00300 ND 0.0020 mg/L 0.00300 ND 101 80-120 0.332 20 Prepared & Analyzed: 10/30/13 ND 0.00073 mg/L 0.00100 106 80-120 Source: 1310398-01 Prepared & Analyzed: 10/30/13 Output: 11/04/13 Output: 11 |

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| Project Number: | [none] | Reported: |
|------------------|-------------------|--|
| Project Manager: | Amanda Archenhold | 11/14/13 10:56 |
| | - | Project Number: [none] Project Manager: Amanda Archenhold |

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

| Sierra A | Analytical | Labs, | Inc. |
|----------|------------|-------|------|
|----------|------------|-------|------|

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|-------|--------------|-------|
| Batch B3J3045 - EPA 200 Series | | | | | | • | | | | |
| LCS (B3J3045-BS1) | | | | Prepared: | 10/30/13 | Analyzed | : 10/31/13 | _ | | |
| Arsenic | 104 | 3.0 | µg/L | 100 | | 104 | 85-115 | | | |
| Cadmium | 99.8 | 2.0 | 11 | 100 | | 99.8 | 85-115 | | | |
| Chromium | 104 | 3.0 | ų | 100 | | 104 | 85-115 | | | |
| Copper | 103 | 1.0 | 0 | 100 | | 103 | 85-115 | | | |
| Lead | 109 | 2.0 | н | 100 | | 109 | 85-115 | | | |
| Nickel | 98.2 | 5.0 | н | 100 | | 98.2 | 85-115 | | | |
| Silver | 104 | 1.5 | н | 100 | | 104 | 85-115 | | | |
| Zinc | 105 | 1.0 | મ | 100 | | 105 | 85-115 | | | |
| Matrix Spike (B3J3045-MS1) | Sou | arce: 131039 | 8-11 | Prepared: | 10/30/13 | Analyzed | : 10/31/13 | | | |
| Arsenic | 105 | 3.0 | μg/L | 100 | 1.6 | 103 | 70-130 | | | |
| Cadmium | 101 | 2.0 | 11 | 100 | 0.50 | 100 | 70-130 | | | |
| Chromium | 102 | 3.0 | " | 100 | ND | 102 | 70-130 | | | |
| Copper | 158 | 1.0 | м | 100 | 52 | 106 | 70-130 | | | |
| Lead | 104 | 2.0 | н | 100 | ND | 104 | 70-130 | | | |
| Nickel | 103 | 5.0 | 11 | 100 | 2.1 | 101 | 70-130 | | | |
| Silver | 101 | 1.5 | 11 | 100 | ND | 101 | 70-130 | | | |
| Zinc | 194 | 1.0 | ш | 100 | 100 | 94.0 | 70-130 | | | |
| Matrix Spike Dup (B3J3045-MSD1) | So | urce: 131039 | 8-11 | Prepared: | 10/30/13 | Analyzed | : 10/31/13 | | | |
| Arsenic | 107 | 3.0 | μg/L | 100 | 1.6 | 105 | 70-130 | 1.89 | 30 | |
| Cadmium | 100 | 2.0 | 11 | 100 | 0.50 | 99.5 | 70-130 | 0.995 | 30 | |
| Chromium | 101 | 3.0 | 11 | 100 | ND | 101 | 70-130 | 0.985 | 30 | |
| Copper | 153 | 1.0 | 11 | 100 | 52 | 101 | 70-130 | 3.22 | 30 | |
| Lead | 99.3 | 2.0 | -11 | 100 | ND | 99.3 | 70-130 | 4.62 | 30 | |
| Nickel | 104 | 5.0 | | 100 | 2.1 | 102 | 70-130 | 0.966 | 30 | |
| Silver | 101 | 1.5 | 11 | 100 | ND | 101 | 70-130 | 0.00 | 30 | |
| Zinc | 197 | 1.0 | n. | 100 | 100 | 97.0 | 70-130 | 1.53 | 30 | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units - | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------------|-------------|----------------|------------------|----------|----------------|-----|--------------|-------|
| Batch B3J3128 - EPA 3510C Sep F | | | | | | | | | | |
| Batch B3J3128 - EFA 3510C Sep F Blank (B3J3128-BLK1) | | | | Prepared: | 11/04/13 | Analyzed | : 11/05/13 | | <u> </u> | |
| Aldrin | ND | 0.075 | μg/L | | | | | | | |
| PCB-1016 | ND | 0.50 | 1.9.— II | | | | | | | |
| HCH-alpha | ND | 0.010 | н | | | | | | | |
| PCB-1221 | ND | 0.50 | 11 | | | | | | | |
| HCH-beta | ND | 0.050 | 11 | | | | | | | |
| PCB-1232 | ND | 0,50 | И | | | | | | | |
| HCH-delta | ND | 0.10 | н | | | | | | | |
| PCB-1242 | ND | 0.50 | 0 | | | | | | | |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | | | | | | | |
| PCB-1248 | ND | 0.50 | н | | | | | | | |
| Chlordane | ND | 0.050 | н | | | | | | , | |
| PCB-1254 | ND | 0.50 | " | | | | | | | |
| 4,4′-DDD | ND | 0.010 | 11 | | | | | | | |
| PCB-1260 | ND | 0.50 | н | | | | | | | |
| 4,4′-DDE | ND | 0.010 | U. | | | | | | | |
| 4,4'-DDT | ND | 0.010 | 11 | | | | | | | |
| Dieldrin | ND | 0.020 | N | | | | | | | |
| Endosulfan I | ND | 0.020 | н | | | | | | | |
| Endosulfan II | ND | 0.050 | n | | | | | | | |
| Endosulfan sulfate | ND | 0.050 | 11 | | | | | | | |
| Endrin | ND | 0,10 | n | | | | | | | |
| Endrin aldehyde | ND | 0.050 | н | | | | | | | |
| Heptachlor | ND | 0.010 | II | | | | | | | |
| Heptachlor epoxide | ND | 0.010 | н | | | | | | | |
| Toxaphene | ND | 1.0 | 11 | | | | | | | |
| PCB-1016 | ND | 0.50 | 11 | | | | | | | |
| PCB-1221 | ND | 0.50 | n | | | | | | | |
| PCB-1232 | ND | 0.50 | 9 | | | | | | | |
| PCB-1242 | ND | 0.50 | 11 | | | | | | | |
| PCB-1248 | ND | 0.50 | 11 | | | | | | | |
| PCB-1254 | ND | 0.50 | -11 | | | | | | | |
| PCB-1260 | ND | 0.50 | 11 | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0.187 | | " | 0.250 | | 74.8 | 42-147 | | | |
| Surrogate: Tetrachloro-meta-xylene | 0.333 | | " | 0.250 | | 133 | 42-147 | | | |
| Surrogate: Decachlorobiphenyl | 0.187 | | " | 0.250 | | 74.8 | 42-147 | | | |
| Surrogate: Tetrachloro-meta-xylene | 0.333 | | .11 | 0.250 | | 133 | 42-147 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch B3J3128 - EPA 3510C Sep | Funnel | | | | | | | | | |
| LCS (B3J3128-BS1) | | | | Prepared: | 11/04/13 | Analyzed | : 11/05/13 | | | |
| Aldrin | 0.0889 | 0.075 | μg/L | 0.0800 | | 111 | 80-120 | | | |
| HCH-gamma (Lindane) | 0.0752 | 0.20 | 11 | 0.0800 | | 94.0 | 80-120 | | | |
| PCB-1260 | ND | 0.50 | 11 | | | | 80-120 | | | |
| 4,4´-DDT | 0.203 | 0.010 | н | 0.200 | | 102 | 80-120 | | | |
| Dieldrin | 0.201 | 0.020 | н | 0.200 | | 100 | 80-120 | | | |
| Heptachlor | 0.0855 | 0.010 | н | 0.0800 | | 107 | 80-120 | | | |
| LCS (B3J3128-BS2) | | | | Prepared: | 11/04/13 | Analyzed | : 11/05/13 | | | |
| Aldrin | 0.0843 | 0.075 | μg/L | 0.0800 | - | 105 | 80-120 | | | |
| HCH-gamma (Lindane) | 0.0953 | 0.20 | 11 | 0.0800 | | 119 | 80-120 | | | |
| PCB-1260 | ND | 0.50 | 11 | | | | 80-120 | | | |
| 4,4'-DDT | 0.221 | 0.010 | 11 | 0.200 | | 110 | 80-120 | | | |
| Dieldrin | 0.226 | 0.020 | n. | - 0.200 | | 113 | 80-120 | | | |
| Heptachlor | 0.0748 | 0.010 | 0 | 0.0800 | | 93.5 | 80-120 | | | |
| LCS Dup (B3J3128-BSD1) | | | | Prepared: | 11/04/13 | Analyzed | : 11/05/13 | | | |
| Aldrin | 0.0898 | 0.075 | μg/L | 0.0800 | | 112 | 80-120 | 1.01 | 30 | |
| HCH-gamma (Lindane) | 0.0881 | 0.20 | -11 | 0.0800 | | 110 | 80-120 | 15.8 | 30 | |
| PCB-1260 | ND | 0.50 | 11 | | | | 80-120 | | 30 | |
| 4,4´-DDT | 0.183 | 0.010 | 0 | 0.200 | | 91.5 | 80-120 | 10.4 | 30 | |
| Dieldrin | 0.165 | 0.020 | 11 | 0.200 | | 82.5 | 80-120 | 19.7 | 30 | |
| Heptachlor | 0.0839 | 0.010 | n | 0.0800 | | 105 | 80-120 | 1.89 | 30 | |



r

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | nber: [no | m Diego A one] nanda Arch | |)13) | | | Reporte 11/14/13 | |
|--|------------------|-------------------------|-----------|---------------------------------|------------------|----------|----------------|-----|----------------------------|-------|
| Тс | otal Petroleum I | Iydrocarbo Sierra An | | | | ality Co | ntrol | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K0541 - EPA 3510C Sep | Funnel | | | | | | · · · | | | |
| Blank (B3K0541-BLK1) | | | | Prepared: | 10/30/13 | Analyzed | ; 11/05/13 | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | | | | | | | |
| Tet A | ND | 0.050 | н | | | | | | | |

| Dieser Hunge Ofgunies (Offer O21) | 1115 | 0.000 | | | | | | | |
|-----------------------------------|--------|-------|------|----------------|----------------|------------|-------|----|--|
| Jet-A | ND | 0.050 | н | | | | | | |
| Oil Range Organics (C22-C36) | ND | 0.050 | н | | | | | | |
| Surrogate: o-Terphenyl | 0.0194 | | " | 0.0250 | 77.6 | 60-175 | | | |
| Surrogate: o-Terphenyl | 0.0194 | | " | 0.0250 | 77.6 | 60-175 | | | |
| Surrogate: o-Terphenyl | 0.0194 | | " | 0.0250 | 77.6 | 60-175 | | | |
| LCS (B3K0541-BS1) | | | | Prepared: 10/3 | 30/13 Analyzed | : 11/05/13 | | | |
| Diesel Range Organics (C10-C24) | 0.462 | 0.050 | mg/L | 0.500 | 92.4 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.462 | 0.050 | 11 | 0.500 | 92.4 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.462 | 0.050 | н | 0.500 | 92.4 | 80-120 | | | |
| LCS (B3K0541-BS2) | | | | Prepared: 10/3 | 30/13 Analyzed | : 11/05/13 | | | |
| Diesel Range Organics (C10-C24) | 0.498 | 0.050 | mg/L | 0.500 | 99.6 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.498 | 0.050 | н | 0.500 | 99.6 | 80-120 | · | | |
| Diesel Range Organics (C10-C24) | 0.498 | 0.050 | 11 | 0.500 | 99.6 | 80-120 | | | |
| LCS Dup (B3K0541-BSD1) | | | | Prepared: 10/3 | 30/13 Analyzed | : 11/05/13 | | | |
| Diesel Range Organics (C10-C24) | 0.460 | 0.050 | mg/L | 0.500 | 92.0 | 80-120 | 0.434 | 30 | |
| Diesel Range Organics (C10-C24) | 0.460 | 0.050 | U U | 0.500 | 92.0 | 80-120 | 0,434 | 30 | |
| Diesel Range Organics (C10-C24) | 0.460 | 0.050 | 9 | 0.500 | 92.0 | 80-120 | 0.434 | 30 | |
| | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 FAX: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |

Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

| Sierra Analytical Labs, Inc. | |
|------------------------------|--|
|------------------------------|--|

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-------------------------------|----------|-----------|-------|-----------|----------|----------|------------|-----|---------------------------------------|--------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B3K0739 - EPA 3510C Sej | o Funnel | | ····- | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Blank (B3K0739-BLK1) | | | | Prepared: | 11/04/13 | Analyzed | : 11/11/13 | | | |
| Naphthalene | ND | 0.500 | μg/L | | | | | | | |
| Acenaphthylene | ND | 1.00 | 11 | | | | | | | |
| Acenaphthene | ND | 1.00 | 11 | | | | | | | |
| Fluorene | ND | 0.100 | 11 | | | | | | | |
| Phenanthrene | ND | 0.100 | | | | | | | | |
| Anthracene | ND | 0.0500 | н | | | | | | | |
| Fluoranthene | ND | 0.100 | н | | | | | | | |
| Pyrene | ND | 0.100 | 8 | | | | | | | |
| Benzo (a) anthracene | ND | 0.0500 | н | | | | | | | |
| Chrysene | ND | 0,100 | н | | | | | | | |
| Benzo (b) fluoranthene | ND | 0,100 | | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.0500 | н | | | | | | | |
| Benzo (a) pyrene | ND | 0.0500 | u. | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 8 | | | | | | | |
| Benzo (g,h,i) perylene | ND | 0.100 | 9 | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | *1 | | | | | | | |
| Surrogate: Decafluorobiphenyl | 2.50 | | " | 5.00 | | 50.0 | 30-115 | | | ······ |
| LCS (B3K0739-BS1) | | | | Prepared: | 11/04/13 | Analyzed | : 11/11/13 | | | |
| Naphthalene | 0.555 | 0.500 | μg/L | 0.500 | | 111 | 60-130 | | | |
| Fluorene | 0.502 | 0.100 | · 11 | 0.500 | | 100 | 60-130 | | | |
| Pyrene | 0.476 | 0.100 | 11 | 0,500 | | 95.2 | 60-130 | | | |
| Benzo (a) pyrene | 0.490 | 0.0500 | 11 | 0.500 | | 98.0 | 60-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.500 | 0.100 | 11 | 0.500 | | 100 | 60-130 | | | |
| Surrogate: Decafluorobiphenyl | 4.93 | | n | 5.00 | | 98.6 | 30-115 | | | |
| LCS (B3K0739-BS2) | | | | Prepared: | 11/04/13 | Analyzed | : 11/11/13 | | | |
| Naphthalene | 0.575 | 0.500 | μg/L | 0.500 | | 115 | 60-130 | | | |
| Fluorene | 0.573 | 0.100 | я | 0.500 | | 115 | 60-130 | | | |
| Pyrene | 0.446 | 0.100 | 4 | 0.500 | | 89.2 | 60-130 | | | |
| Benzo (a) pyrene | 0.487 | 0.0500 | н | 0.500 | | 97.4 | 60-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.590 | 0.100 | н | 0.500 | | 118 | 60-130 | | | |
| Surrogate: Decafluorobiphenyl | 4.29 | | " | 5.00 | | 85.8 | 30-115 | | | |
| - · · · · · | | | | | | | | | | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 11/14/13 10:56 |

Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch B3K0739 - EPA 3510C Sep | Funnel | | | | | | | | - | |
| LCS Dup (B3K0739-BSD1) | ÷ | | | Prepared: | 11/04/13 | Analyzed | : 11/11/13 | | | |
| Naphthalene | 0.479 | 0.500 | μg/L | 0.500 | | 95.8 | 60-130 | 14.7 | 30 | |
| Fluorene | 0.513 | 0.100 | л | 0.500 | | 103 | 60-130 | 2.17 | 30 | |
| Pyrene | 0.492 | 0.100 | 9 | 0.500 | | 98.4 | 60-130 | 3.31 | 30 | |
| Benzo (a) pyrene | 0.530 | 0.0500 | н - | 0.500 | | 106 | 60-130 | 7.84 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.510 | 0.100 | 81 | 0,500 | | 102 | 60-130 | 1.98 | 30 | |
| Surrogate: Decafluorobiphenyl | 3.89 | | " | 5.00 | | 77.8 | 30-115 | | | |



| AMEC 9177 Sky | Park Court Suite A | Project: Project Number: | San Diego Airport (2013) [none] | Reported: |
|------------------|--|---------------------------------|---|--------------------|
| San Dieg | o CA, 92123 | Project Manager: | Amanda Archenhold | 11/14/13 10:56 |
| | | Notes and De | finitions | |
| D-41 | Sample appears to be a mixture of | f fuel hydrocarbons. Oil Range | Hydrocarbons (C22-C36) reported. | |
| D-49 | Sample appears to be a mixture of calibration. | f fuel hydrocarbons. Total Petr | oleum Hydrocarbons quantified using a l | Jet-A standard for |
| DET | Analyte DETECTED | | | |
| ND | Analyte NOT DETECTED at or above the | e reporting limit | | |
| NR | Not Reported | | | |
| dry | Sample results reported on a dry weight b | asis | | |
| RPD | Relative Percent Difference | | | |
| | | | | |



8100 Secura Way • Santa Fe Springs, CA 90670 Telephone (562) 347-2500 • Fax (562) 907-3610

November 7, 2013

Nick Forsyth Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653

Re: PTS File No: 43708 Physical Properties Data 1310398

Dear Mr. Forsyth:

Please find enclosed report for Physical Properties analyses conducted upon the sample received from your 1310398 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. Please note that the sample was used in entirety during testing.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please contact Morgan Richards at (562) 347-2509.

Sincerely, PTS Laboratories, Inc.

Michael Mark Brady, P.G. District Manager

Encl.

PTS Laboratories

Project Name: Project Number:

N/A 1310398

TEST PROGRAM - 20131031

PTS File No: 43708 Client: Sierra Analytical Labs, Inc.

| | ŀ | | | | TOTALS: |
|--|------------|-------|------|----------|---------------------------------------|
| | × | Water | 0320 | 20131029 | S-B06-12-102913 (1310398-12) 20131029 |
| | | | | | Date Received: 20131031 |
| | ASTM D4464 | | | | Method: |
| | Microsize | Type | | | |
| | Size: | Fluid | Time | Date | FLUID ID |
| | Particle | | | | |

Laboratory Test Program Notes Standard TAT for basic analysis is 5 business days.

Page 1 of 1

CLIENT CONFIDENTIAL

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc. PTS File No: 43708

> PARTICLE SIZE SUMMARY (METHODOLOGY: ASTM D4464M)

11.114 %06 25.479 84% 45.942 75% CUMULATIVE PERCENT GREATER THAN 58.824 Distribution percent, microns 40% | 50% | 60% 65.391 71.281 82.139 25% 90.094 16% 96.991 10% 103.139 5% Median Grain Size, micron (1) 65.391 Aqueous Matrix N/A 1310398 S-B06-12-102913 (1310398-12) Sample ID PROJECT NAME: PROJECT NO:

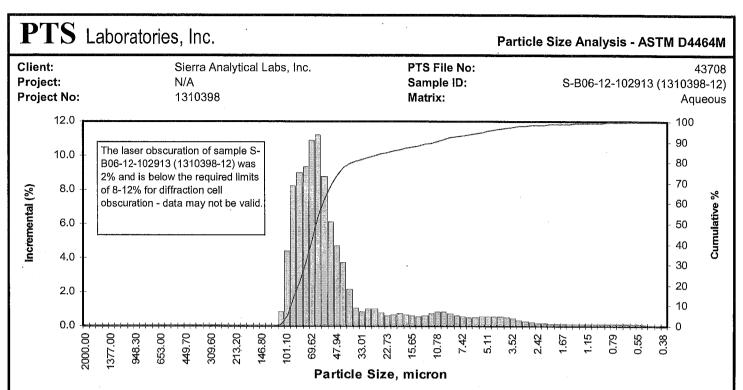
5.179

95%

* The laser obscuration of sample S-B06-12-102913 (1310398-12) was 2%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

1 of 2



| Particle | Particle Distribution | | Particle | Particle Distribution | | Particle | Particle Distribution | |
|-------------|-----------------------|------------|-----------|-----------------------|------------|--|----------------------------|-------------|
| Diameter, | Incremental | Cumulative | Diameter, | Incremental | Cumulative | Diameter, | Incremental | Cumulative |
| micron | percent | percent | micron | percent | percent | micron | percent | percent |
| 2000.00 | 0.00 | 0.0 | 52.63 | 6.13 | 68.9 | 1.385 | 0.110 | 98.9 |
| 1822.00 | 0.00 | 0.0 | 47.94 | 4.74 | 73.6 | 1.261 | 0.110 | 99.0 |
| 1660.00 | 0.00 | 0.0 | 43.67 | 3.72 | 77.3 | 1.149 | 0.100 | 99.1 |
| 1512.00 | 0.00 | 0.0 | 39.78 | 2.19 | 79.5 | 1.047 | 0.098 | 99.2 |
| 1377.00 | 0.00 | 0.0 | 36.24 | 1.08 | 80.6 | 0.954 | 0.098 | 99.3 |
| 1255.00 | 0.00 | 0.0 | 33.01 | 0.86 | 81.5 | 0.869 | 0.100 | 99.4 |
| 1143.00 | 0.00 | 0.0 | 30.07 | 1.02 | 82.5 | 0.791 | 0.100 | 99.5 |
| 1041.00 | 0.00 | 0.0 | 27.39 | 1.02 | 83.5 | 0.721 | 0.100 | 99.6 |
| 948.30 | 0.00 | 0.0 | 24.95 | 0.80 | 84.3 | 0.657 | 0.100 | 99.7 |
| 863.90 | 0.00 | 0.0 | 22.73 | 0.63 | 84.9 | 0.598 | 0,100 | 99.8 |
| 786.90 | 0.00 | 0.0 | 20.71 | 0,66 | 85.6 | 0.545 | 0.092 | 99.9 |
| 716.90 | 0.00 | 0.0 | 18.86 | 0.73 | 86.3 | 0.496 | 0.078 | 100.0 |
| 653.00 | 0.00 | 0.0 | 17.18 | 0.68 | 87.0 | 0.452 | 0.060 | 100.0 |
| 594,90 | 0.00 | 0.0 | 15.65 | 0.59 | 87.6 | 0.412 | 0.037 | 100.1 |
| 541.90 | 0.00 | 0.0 | 14.26 | 0.56 | 88.1 | 0.375 | 0.020 | 100.1 |
| 493.60 | 0.00 | 0.0 | 12.99 | 0.63 | 88.8 | TOTALS: | 100.09 | 100.1 |
| 449.70 | 0.00 | 0.0 | 11.83 | 0,75 | 89.5 | the short of the second se | | |
| 409.60 | 0.00 | 0.0 | 10.78 | 0,83 | 90.4 | Measure | Trask | Inman |
| 373.10 | 0.00 | 0.0 | 9.82 | 0.82 | 91.2 | Median, mm | 0.0654 | 0.0654 |
| 339,90 | 0.00 | 0.0 | 8.94 | 0.74 | 91.9 | Median, micron | 65.391 | 65.391 |
| 309.60 | 0.00 | 0.0 | 8.15 | 0.63 | 92.5 | Mean, mm | 0.0640 | 0.0479 |
| 282.10 | 0.00 | 0.0 | 7.42 | 0.54 | 93.1 | Mean, micron | 64.041 | 47.911 |
| 256.90 | 0.00 | 0.0 | 6.76 | 0.50 | 93.6 | Sorting | 1.3371 | 0.911 |
| 234.10 | 0.00 | 0.0 | 6.16 | 0.50 | 94.1 | Skewness | 0.9394 | 0.493 |
| 213.20 | 0.00 | 0.0 | 5.61 | 0.53 | 94.6 | Kurtosis | 0.2107 | 1.369 |
| 194.20 | 0.00 | 0.0 | 5.11 | 0.56 | 95,2 | | | |
| 176.90 | 0.00 | 0.0 | 4.66 | 0.57 | 95.7 | Cumulative Percent greater than | | |
| 161.20 | 0.00 | 0.0 | 4.24 | 0.54 | 96.3 | Distribution | Distribution Particle Size | |
| 146.80 | 0.00 | 0.0 | 3.86 | 0.49 | 96.8 | percent | Micron | Millimeters |
| 133.70 | 0.00 | 0.0 | 3.52 | 0.42 | 97.2 | 5 | 103.139 | 0.1031 |
| 121.80 | 0.03 | 0.0 | 3.21 | 0.34 | 97.5 | 10 | 96,991 | 0.0970 |
| 111.00 | 0,82 | 0.8 | 2.92 | 0.26 | 97.8 | 16 | 90.094 | 0.0901 |
| 101.10 | 4.38 ` | 5,2 | 2.66 | 0.20 | 98.0 | 25 | 82.139 | 0.0821 |
| 92.10 | 8.25 | 13.5 | 2.42 | 0.16 | 98.2 | 40 | 71.281 | 0.0713 |
| 83.90 | 9.00 | 22.5 | 2.21 | 0.14 | 98.3 | 50 | 65.391 | 0,0654 |
| 76.43 | 9.36 | 31.8 | 2.01 | 0.13 | 98.4 | 60 | 58.824 | 0.0588 |
| 69.62 | 10.90 | 42.7 | 1.83 | 0.12 | 98.5 | 75 | 45.942 | 0.0459 |
| 63,42 | 11.20 | 53.9 | 1.67 | 0.12 | 98.7 | 84 | 25,479 | 0.0255 |
| 57,77 | 8.80 | 62.7 | 1.52 | 0.12 | 98.8 | 90 | 11.114 | 0.0111 |
| @ DTG I ala | | | | | | 95 | 5.179 | 0,0052 |

© PTS Laboratories, Inc.

Phone: (562) 907-3607

Fax: (562) 907-3611

| S J E R R A | | Sierra Ana | NTRACT ORDER alytical Labs, Inc. roiect #: 1310398 | 4 3708 Comments |
|---|----------|-----------------|--|---|
| SENDING LABORATORY: Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653 Phone: (949) 348-9389. Fax: (949) 348-9115 Laboratory Contact: Nick Forsyth | | Time Requested: | Nommi 24 Hour 18 Hour 22 Hour HDay 5 Day | RECEIVING LABORATORY: PTS Laboratories 8100 Secura Way Santa Fe Springs, CA 90670 Phone : (562) 907-3607 Fax: (562) 907-3610 |
| Analysis | Expires | Sampled: | Laboratory ID | Comments |
| Sample ID: S-B06-12-102913 (1310398-12) | Liquid | 10/29/13 03:20 | | |
| Full Particle Sizing Containers Supplied: 1L Amber (A) | 04/27/14 | 03:20 | | |

. .

\$

| Special Instructions : | | Initiat ■ Sample Set ■ Property Babeled ■ Guittled TE | 18 MP (CO) <u>392 °F</u> |
|------------------------|-------------------------------|---|-----------------------------|
| | | Appropriate Container . D. Preservariv | es - Venified By |
| Relinquished By | 10/31/15 11/50 Date / Time | Received By | 10/31/13 11:38 Date/Fime |
| Relinquished By | Date / Time | Received By | Date / Time |
| Relinquished By | Date / Time | Received By | Date / Time Page I of 2 |



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

 Report Date:
 11/06/13 12:34

 Received Date:
 10/31/13 11:50

 Turnaround Time:
 Normal

Phones: (949) 348-9389 Fax: (949) 348-9115

P.O. #:

Attn: Nick Forsyth

Client: Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653

Dear Nick Forsyth :

Enclosed are the results of analyses for samples received 10/31/2013 with the Chain of Custody document. The samples were received in good condition, at 4.2 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

| Lab Sample ID: 3J31035-01 Sampled by: Client | | | | | | | | Matrix: Water | | |
|---|----------|----------|------------|-------------|----------|-----------|----------|---------------|---------|-------------|
| Analyte | Result | MDL | MRL | Units | Dil | Method | Prepared | Analyzed | Batch | Qualifier |
| Ethylene glycol | ND | | 10 | mg/l | 1 | EPA 8015B | 11/4/13 | 11/4/13 18:08 | W3K0115 | |
| Propylene glycol | ND | | 20 | mg/l | 1 | EPA 8015B | 11/4/13 | 11/4/13 18:08 | W3K0115 | |
| Lab Sample ID: 3J31035-02 | Sample i | D: ; | S-B06-12-1 | 02913 (131(|)398-12) | | | | Ma | trix: Water |
| Sampled by: Client | Sampled | : 10/29/ | 13 03:20 | | | | | | | |
| Analyte | Result | MDL | MRL | Units | Dil | Method | Prepared | Analyzed | Batch | Qualifier |
| Ethylene glycol | ND | | 10 | mg/l | 1 | EPA 8015B | 11/4/13 | 11/4/13 18:37 | W3K0115 | |
| Propylene glycol | ND | | 20 | mg/l | 1 | EPA 8015B | 11/4/13 | 11/4/13 18:37 | W3K0115 | |



Weck Laboratories, Inc.

Page 2 of 3

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W3K0115 - EPA 8015B

| Blank (W3K0115-BLK1) | | | | 1 | Prepared: 11, | /04/13 Ana | alyzed: 11/04 | /13 15:19 | |
|---------------------------------|------------------|----------------|-----------|-------|----------------|------------|----------------|------------|--------------|
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC | RPD | RPD Limit |
| Ethylene glycol | | ND | | mg/l | | | | | |
| Propylene glycol | | ND | | mg/l | | | | | |
| LCS (W3K0115-BS1) | | | | | Prepared: 11, | /04/13 Ana | alyzed: 11/04 | /13 15:48 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | | 104 | | mg/l | 100 | 104 | 46-129 | | |
| Matrix Spike (W3K0115-MS1) | So | ource: 3J3103! | 5-01 | | Prepared: 11 | /04/13 An | alyzed: 11/04 | 4/13 16:16 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | | 120 | | mg/l | 100 | 111 | 57-127 | | |
| Matrix Spike Dup (W3K0115-MSD1) | Se | ource: 3J3103! | 5-01 | | Prepared: 11 | /04/13 An | alyzed: 11/04 | 4/13 16:44 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | 8 30 | 120 | | mg/l | 100 | 112 | 57-127 | 0.6 | 25 |



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL). For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature Contact: Kim G Tu (Project Manager)







ELAP # 1132 LACSD # 10143 NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

| ND | NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL). |
|-----|--|
| Sub | Subcontracted analysis, original report enclosed. |
| DL | Method Detection Limit |
| RL | Method Reporting Limit |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| | |

Page 3 of 3

i . .

. .

i

Third Storm Event



18 December 2013

Amanda Archenhold AMEC 9177 Sky Park Court Suite A San Diego, CA 92123

RE:San Diego Airport (2013)

Work Order No.: 1311263

Attached are the results of the analyses for samples received by the laboratory on 11/21/13 13:26.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

and R. Josyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.

S I E R R A ANALYTICAE

| AMEC | Project: | San Diego Airport (2013) | |
|-----------------------------|------------------|--------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: | Û Î () | Reported: |
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 12/18/13 10:47 |

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------|---------------|--------|----------------|----------------|
| C-B07-6-112113-BLK | 1311263-01 | Liquid | 11/21/13 05:40 | 11/21/13 13:26 |
| C-B01-1A-112113-DUP | 1311263-02 | Liquid | 11/21/13 05:20 | 11/21/13 13:26 |
| C-B01-1A-112113 | 1311263-03 | Liquid | 11/21/13 05:20 | 11/21/13 13:26 |
| C-B05-4-112113 | 1311263-04 | Liquid | 11/21/13 05:30 | 11/21/13 13:26 |
| S-B06-12-112113 | 1311263-05 | Liquid | 11/21/13 05:51 | 11/21/13 13:26 |
| C-B07-6-112113 | 1311263-06 | Liquid | 11/21/13 05:40 | 11/21/13 13:26 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



Total Suspended Solids

| AMEC | | San Diego Airport (2013) | Described |
|--|--|--------------------------|------------------------------------|
| 9177 Sky Park Court Suite A San Diego CA, 92123 | Project Number: Project Manager: | Amanda Archenhold | Reported: 12/18/13 10:47 |
| San Diego CA, 92123 | Project Manager: Conventional Chemistry Param | | |

| | | Sierra A | nalytical | Labs, I | nc. | | | | |
|---------------------------------------|---------------|--------------------|-------------|------------|-------------|----------|----------------|-------------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B07-6-112113-BLK (1311263-01) Liqui | d Sampled: | 11/21/13 05 | :40 Recei | ved: 11/2 | 1/13 13:26 | | | | - |
| Ammonia as N | ND | 0.100 | mg/L | 1 | B3K2715 | 11/21/13 | 11/21/13 17:24 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | ND | 2.00 | n | n | 11 | 0 | 11/26/13 17:24 | · EPA 405.1 | |
| Chemical Oxygen Demand | ND | 0.100 | н. | 11 | U. | н | 11/21/13 17:24 | EPA 410.4 | |
| Specific Conductance (EC) | 1.18 | 0.100 | µmhos/cm | н | н | .0 | 11 | EPA 120.1 | |
| Total Hardness | ND | 0.400 | mg/L | 11 | 0 | н | 11 | SM 2340 C | |
| Methylene Blue Active Substances | ND | 0.0500 | 11 | 11 | 71 | | 0 | EPA 425.1 | |
| pH | 6.88 | 0.100 | pH Units | " | Ш | n | н | EPA 150.1 | |
| Total Suspended Solids | ND | 1.00 | mg/L | n | н | u. | н | EPA 160.2 | |
| C-B01-1A-112113-DUP (1311263-02) Liqu | uid Sampleo | d: 11/21/13 (|)5:20 Rec | eived: 11/ | /21/13 13:2 | 6 | | | |
| Ammonia as N | 0.350 | 0.100 | mg/L | 1 | B3K2715 | 11/21/13 | 11/21/13 17:24 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 2.40 | 2.00 | 11 | н | у | 0 | 11/26/13 17:24 | EPA 405.1 | |
| Chemical Oxygen Demand | 13.0 | 0.100 | n. | | 11 | U | 11/21/13 17:24 | EPA 410.4 | |
| Specific Conductance (EC) | 184 | 0.100 | µmhos/cm | 9 | 11 | н | n | EPA 120.1 | |
| Total Hardness | 61.6 | 0.400 | mg/L | 11 | n | н | 11 | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | н | -11 | н | n | 11 | EPA 1664 | |
| Methylene Blue Active Substances | ND | 0.0500 | н | н | н | н | 11 | EPA 425.1 | |
| pН | 7.06 | 0.100 | pH Units | н | 11 | н | n | EPA 150.1 | |
| Total Suspended Solids | ND | 1.00 | mg/L | н | 11 | 11 | | EPA 160.2 | |
| C-B01-1A-112113 (1311263-03) Liquid | Sampled: 11/2 | 21/13 05:20 | Received: | 11/21/13 | 13:26 | | | | |
| Ammonia as N | 0.320 | 0.100 | mg/L | 1 | B3K2715 | 11/21/13 | 11/21/13 17:24 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 2.10 | 2.00 | °9 | n | 90 10 | 11 | 11/26/13 17:24 | EPA 405.1 | |
| Chemical Oxygen Demand | 12.0 | 0.100 | 17 | u. | 9 | 11 | 11/21/13 17:24 | EPA 410.4 | |
| Specific Conductance (EC) | 186 | 0.100 | µmhos/cm | | 11 | 17 | 11 | EPA 120.1 | |
| Total Hardness | 63.2 | 0.400 | mg/L | ж | 9 | 11 | 11 | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | 0 · · · · · | | 11 | 17 | . " | EPA 1664 | |
| Methylene Blue Active Substances | ND | 0.0500 | н | 11 | -11 | 17 | -11 | EPA 425.1 | |
| рН | 7.05 | 0.100 | pH Units | 9 | n | н | n | EPA 150.1 | |
| | | | - | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ND

1.00

mg/L

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net EPA 160.2



| 0177 Class Davis Classes Carles A | Project: San Diego Airport (2013) | Descuted |
|-----------------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:47 |

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-----------------|--------------------|-------------|-----------|---------|----------|----------------|-------------|-------|
| C-B07-6-112113 (1311263-06) Liquid | Sampled: 11/21/ | 13 05:40 | Received: 1 | 1/21/13 1 | 3:26 | | | | |
| Ammonia as N | 3.45 | 0,100 | mg/L | 1 | B3K2715 | 11/21/13 | 11/21/13 17:24 | SM 4500-NH3 | |
| Biochemical Oxygen Demand | 21.8 | 2.00 | 9 | н | 0 | н | 11/26/13 17:24 | EPA 405.1 | |
| Chemical Oxygen Demand | 195 | 0.100 | н | N- | 0 | н | 11/21/13 17:24 | EPA 410,4 | |
| Specific Conductance (EC) | 257 | 0.100 | µmhos/cm | н | н | н | н | EPA 120.1 | |
| Total Hardness | 76.0 | 0.400 | mg/L | u. | н | 0 | II. | SM 2340 C | |
| Hexane Extractable Material (HEM) | ' ND | 2.00 | n | 9. | и | 11 | н | EPA 1664 | |
| Methylene Blue Active Substances | 0.190 | 0.0500 | | .11 | n | u. | н | EPA 425.1 | |
| pH | 6.65 | 0.100 | pH Units | n. | 11 | л | л | EPA 150.1 | |
| Total Suspended Solids | 26.0 | 1.00 | mg/L | н | n | н | , H | EPA 160.2 | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur Project Mar | mber: [no | ne] | airport (20 enhold | 13) | | Reported 12/18/13 1 | |
|--|----------|----------------------------|-----------|-------------|-----------------------|----------|----------------|-------------------------------|-------|
| | M | etals by EP | A 200 S | Series M | ethods | | | | |
| | | Sierra An | alytica | l Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | ' Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B07-6-112113-BLK (1311263-01) Liquid | Sampled: | 11/21/13 05: | 40 Rece | ived: 11/2 | 1/13 13:26 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Aluminum | ND | 25 | н | 0 | | II. | н | н | |
| Arsenic | ND | 3.0 | н | 11 | 11 | 11 | II. | .11 | |
| Cadmium | ND | 2.0 | н | 11 | .11 | 11 | 11 | -11 | |
| Chromium | ND | 3.0 | 11 | n | н | н | H. | 11 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | H | B3K2209 | 11/22/13 | 11/26/13 19:41 | EPA 218.6 | |
| Copper | ND | 1.0 | μg/L | 11 | B3K2207 | 11/22/13 | 11/23/13 14:42 | | |
| lron | ND | 0.025 | mg/L | " | 10 | 11 | н | .11 | |
| Mercury | ND | 0,00030 | n | " | B3K2224 | 11/22/13 | 11/25/13 18:29 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | 9. | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Lead | ND | 1.0 | 11 | 11 | 41 | 17 | н | н | |
| Zinc | ND | 1.0 | n | 11 | 11 | " | м | 11 | |
| C-B01-1A-112113-DUP (1311263-02) Liqui | d Sample | d: 11/21/13 0 | 5:20 Re | ceived: 11/ | 21/13 13:2 | 6 | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Aluminum | 92 | 25 | 11 | н | 0 | 11 | 11 | n | |
| Arsenic | ND | 3.0 | " | н | н | н. | 11 | п | |
| Cadmium | ND | 2.0 | | н | н | н | 11 | .11 | |
| Chromium | ND | 3.0 | 11 | | н | н | 17 | 11 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | B3K2209 | 11/22/13 | 11/26/13 19:41 | EPA 218.6 | |
| Copper | 3.7 | 1.0 | μg/L | | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Iron | 0.066 | 0.025 | mg/L | u | u. | н | н | 11 | |
| Mercury | ND | 0.00030 | n | " | B3K2224 | 11/22/13 | 11/25/13 18:29 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Lead | ND | 1.0 | | " | u. | н | 11 | 11 | |
| Zinc | 53 | 1.0 | н | -11 | н | 11 | U U | н | |



| | San Diego CA, 92123 Project Manager: Amanda Archenhold 12/18/13 10:47 Metals by EPA 200 Series Methods | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| 91/7 Sky Park Court Suite A Troject Number, [none] | | | | | | | | | | |
| 9177 Sky Park Court Suite A Project Number: [none] Rep | orted: | | | | | | | | | |

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|---------------|--------------------|----------|-------------|---------|----------|----------------|-----------|-------|
| C-B01-1A-112113 (1311263-03) Liquid | Sampled: 11/2 | 1/13 05:20 | Received | l: 11/21/13 | 13:26 | | - | | |
| Silver | ND | 1.5 | μg/L | 1 | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Aluminum | · 90 | 25 | 10 | n | 41 | II. | 11 | н | |
| Arsenic | ND | 3.0 | -91 | м | И | И | н | н | |
| Cadmium | ND | 2.0 | н | п | н | U | н | 91 | |
| Chromium | ND | 3.0 | и | 11 | 11 | " | 11 | 11 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 11 | B3K2209 | 11/22/13 | 11/26/13 19:41 | EPA 218.6 | |
| Copper | 4.7 | 1.0 | μg/L | Ņ | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Iron | 0.085 | 0.025 | mg/L | н | н | н | 11 | n | |
| Mercury | ND | 0.00030 | н | н | B3K2224 | 11/22/13 | 11/25/13 18:29 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | n. | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 | |
| Lead | ND | 1.0 | | н | 11 | н | 11 | .0 | |
| Zinc | 46 | 1.0 | 11 | и | 11 | " | 11 | n | |

C-B07-6-112113 (1311263-06) Liquid Sampled: 11/21/13 05:40 Received: 11/21/13 13:26

| Aluminum | 180 | 25 | μg/L | 1 | B3K2207 | 11/22/13 | 11/23/13 14:42 | EPA 200.8 |
|----------|-----|-------|------|----|---------|----------|----------------|------------|
| Copper | 190 | 1.0 | 11 | н | n | н | н | И |
| Iron | 3.3 | 0.025 | mg/L | 11 | 11 | 11 | н | n |
| Lead | ND | 1.0 | μg/L | 11 | 11. | 11- | н | н |
| Zinc | 700 | 1.0 | | 11 | н. | н | н | U . |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nr | unber: [no | | Arport (20 | 13) | | Reported 12/18/13 1 | |
|--|-----------------|--------------------|------------|-------------|------------|----------|----------------|-------------------------------|------|
| | Metals (| Dissolved) | | | | ods | | 14/10/10 1 | |
| | v | Sierra A | · | | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B01-1A-112113-DUP (1311263-02) | Liquid Sample | d: 11/21/13 0 | 5:20 Red | ceived: 11/ | 21/13 13:2 | 6 | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Arsenic | ND | 3,0 | n | | н | н. | н | " | |
| Cadmium | ND | 2.0 | n | " | н | н | н | 11 | |
| Chromium | ND | 3.0 | н | 11 | н. | м | - 11 | 11 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | " | B3K2210 | 11/22/13 | 11/27/13 11:06 | EPA 218.6 | |
| Copper | 3.5 | 1.0 | μg/L | 11 | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Mercury | ND | 0.00073 | mg/L | 11 | B3K2225 | 11/22/13 | 11/25/13 18:34 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | 11 | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Lead | , ND | 2.0 | 14 | н | 11 | " | 11 | It | |
| Zine | 18 | 1.0 | н | н | n | н | H. | 0 | |
| C-B01-1A-112113 (1311263-03) Liqu | id Sampled: 11/ | 21/13 05:20 | Received | l: 11/21/13 | 13:26 | | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Arsenic | ND | 3.0 | н | н | 11 | н | и | 0 | |
| Cadmium | ND | 2.0 | н | н | 11 | н | n | P | |
| Chromium | ND | 3.0 | н | н | 14 | н | 11 | 11 | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | B3K2210 | 11/22/13 | 11/27/13 11:06 | EPA 218.6 | |
| Copper | 4.0 | 1.0 | μg/L | н | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Mercury | ND | 0.00073 | mg/L | н | B3K2225 | 11/22/13 | 11/25/13 18:34 | EPA 245.1 | |
| Nickel | ND | 5.0 | μg/L | 9 | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Lead | ND | 2.0 | н | н | N | 11 | 11 | II. | |
| Zinc | 14 | 1.0 | н | u | п | и | 11. | II. | |
| C-B07-6-112113 (1311263-06) Liquid | Sampled: 11/21 | /13 05:40 H | Received: | 11/21/13 1 | 3:26 | | | | |
| Copper | 43 | 1.0 | μg/L | 1 | B3K2208 | 11/22/13 | 11/23/13 14:32 | EPA 200.8 | |
| Zinc | 210 | 1.0 | " | н | 11 | u. | 0 | 11 | |

| SIERRA ANALYTICAL |
|----------------------|

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Pr Project Nu Project Mar | mber: [no | me] | Airport (20 Menhold | 13) | | Reported: 12/18/13 10:47 | | |
|--|--------------|---------------------------------|-----------|-------------|------------------------|----------|----------------|---------------------------------|-------|--|
| | Tri | valent Chi | omium | by Calc | ulation | | | , , , | | |
| | | Sierra Ar | nalytica | l Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
| C-B07-6-112113-BLK (1311263-01) Liqui | d Sampled: | 11/21/13 05: | 40 Rece | vived: 11/2 | 1/13 13:26 | , | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3K2211 | 11/22/13 | 11/26/13 19:44 | 1 Calculation | | |
| C-B01-1A-112113-DUP (1311263-02) Liq | uid Sample | d: 11/21/13 0 | 5:20 Re | ceived: 11 | /21/13 13:2 | 6 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 ' | B3K2211 | 11/22/13 | 11/26/13 19:44 | 4 Calculation | | |
| C-B01-1A-112113 (1311263-03) Liquid | Sampled: 11/ | 21/13 05:20 | Received | 1: 11/21/13 | 13:26 | | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | . 1 | B3K2211 | 11/22/13 | 11/26/13 19:44 | 4 Calculation | | |
| | | | | | | | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu Project Mar | mber: [no nager: An | nanda Arch | Reported: 12/18/13 10:47 | | | | |
|--|---------------|---------------------------|------------------------|-------------|------------------------------------|----------|---------------|---------------|-------|
| | Trivalent | Chromius Sierra An | • | | | ved) | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B01-1A-112113-DUP (1311263-02) Li | quid Sampled | : 11/21/13 0 | 5:20 Re | ceived: 11/ | /21/13 13:2 | 6 | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3K2212 | 11/22/13 | 11/27/13 11:0 | 9 Calculation | |
| C-B01-1A-112113 (1311263-03) Liquid | Sampled: 11/2 | 1/13 05:20 | Received | l: 11/21/13 | 13:26 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3K2212 | 11/22/13 | 11/27/13 11:0 | 9 Calculation | |



| AMEC | Project: | San Diego Airport (2013) | |
|-----------------------------|------------------|--------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: | [none] | Reported: |
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 12/18/13 10:47 |
| | | | |

Organochlorine Pesticides and PCBs by EPA Method 608

| | | Sierra An | alytica | l Labs, I | nc. | | | | |
|---|---------|--------------------|---------|-------------|-------------|----------|----------------|---------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B01-1A-112113-DUP (1311263-02) Liquid | Sampled | I: 11/21/13 05 | 5:20 Re | ceived: 11/ | /21/13 13:2 | 6 | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3L0227 | 11/27/13 | 12/02/13 15:00 | EPA 608 | |
| HCH-alpha | ND | 0.010 | л | м | N. | 11 | n | н | |
| HCH-beta | ND | 0.050 | н | 11 | 11 | м | и | н | |
| HCH-delta | ND | 0.10 | н | 11 | n | н | IT | 11 | |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | n | н | 11 | 11 | н. | |
| Chlordane | ND | 0.050 | п | н | н | 11 | н | | |
| 4,4′-DDD | ND | 0.010 | н | u. | 11 | н | n | u. | |
| 4,4'-DDE | ND | 0.010 | u. | 11 | 11 | н | n | 11 | |
| 4,4'-DDT | ND | 0.010 | 11 | н | н | 11 | n | н | |
| Dieldrin | ND | 0.020 | н | н | u. | 11 | n | n | |
| Endosulfan I | ND | 0.020 | n | u. | 11 | н | ́ и | TT. | |
| Endosulfan II | ND | 0.050 | | 9 | п | н | u | | |
| Endosulfan sulfate | ND | 0.050 | 11 | н | н | л | 9 | и | |
| Endrin | ND | 0.10 | H | н | н | 11 | n | н | |
| Endrin aldehyde | ND | 0.050 | n | 11 | 11 | н | 8 | U | |
| Heptachlor | ND | 0.010 | 11 | 11. | п | н | 11 | 11 | |
| Heptachlor epoxide | ND | 0.010 | 0 | N | и | II | н | н | |
| Toxaphene | ND | 1.0 | и | и | 11 | 9 | н | H. | |
| PCB-1016 | ND | 0.50 | 11 | 11 | 11 | в | U. | u. | |
| PCB-1221 | ND | 0.50 | 11 | 11 | U | IJ | | n | |
| PCB-1232 | ND | 0.50 | н. | н | н | 9 | л | н | |
| PCB-1242 | ND | 0.50 | н | н | u. | 11 | п | н | |
| PCB-1248 | ND | 0.50 | | -11 | 11 | н | н | н | |
| PCB-1254 | ND | 0.50 | 9 | 11 | n | н | н | 9 | |
| PCB-1260 | ND | 0.50 | n | п | н | н | -11 | 0 | |
| Surrogate: Decachlorobiphenyl | | 74.4 % | 42 | -147 | л | 11 | " | " | |
| Surrogate: Tetrachloro-meta-xylene | | 70.4 % | 42 | -147 | " | " | " | " | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | roject: San umber: [nor nager: Ama | ie] | | 13) | | Reported 12/18/13 1 | |
|--|---------------|--------------------|--|-----------------|---------|----------|----------------|-------------------------------|-------|
| 0 | rganochlorir | ne Pesticid | les and P | CBs by | EPA Mo | ethod 60 | 8 | | |
| | | Sierra A | nalytical | Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C-B01-1A-112113 (1311263-03) Liquid | Sampled: 11/2 | 21/13 05:20 | Received: | 11/21/13 | 13:26 | | | | |
| Aldrin | ND | 0.075 | μg/L | · 1 | B3L0227 | 11/27/13 | 12/02/13 15:00 | EPA 608 | |
| HCH-alpha | ND | 0,010 | н | | 17 | 11 | 11 | н | |
| HCH-beta | ND | 0.050 | н | 11 | 11 | | u. | n | |
| HCH-delta | ND | 0.10 | H. | 0 | U. | н | | н | |
| HCH-gamma (Lindane) | ND | 0.20 | H | н | н | н | 11 | н | |
| Chlordane | ND | 0.050 | " | н | N | н | н | н | |
| 4,4´-DDD | ND | 0.010 | 0 | н. | . " | n | н | н | |
| 4,4´-DDE | ND | 0.010 | 11 | n | н | н | н | н | |
| 4,4´-DDT | ND | 0.010 | 11 | н | n | 8 | n | n | |
| Dieldrin | ND | 0.020 | U. | н | н | н | n | -u | |
| Endosulfan I | ND | 0.020 | μ | н | H. | | н | -0 | |
| Endosulfan II | ND | 0.050 | н | u. | 11 | и. | | | |
| Endosulfan sulfate | ND | 0,050 | и | 11 | 11 | 11 | | -0 | |
| Endrin | ND | 0.10 | п | | " | 11 | 9 | n | |
| Endrin aldehyde | ND | 0.050 | н | ** | 11 | " | 10 | 11 | |
| Heptachlor | ND | 0.010 | n | 9 | 11 | 11 | н | -11 | |
| Heptachlor epoxide | ND | 0.010 | н | 9 | 11 | 11 | u | II. | |
| Toxaphene | ND | 1.0 | н | " | 11 | 11 | 11 | n | |
| PCB-1016 | ND | 0.50 | н | * | n. | 11 | ч | 0 | |
| PCB-1221 | ND | 0.50 | н | 91 ⁻ | W. | 11 | ч | .0 | |
| PCB-1232 | ND | 0.50 | н | | 11 | 11 | n | n. | |
| PCB-1242 | ND | 0.50 | н | 0 | 11 | я | н. | U. | |
| PCB-1248 | ND | 0.50 | n | | ŧ | н | н | u. | |
| PCB-1254 | ND | 0.50 | n | | 11 | | п | u | |
| PCB-1260 | ND | 0.50 | н | | Ĥ | н | н | 41 | |
| Surrogate: Decachlorobiphenyl | | 66.4 % | 42-1 | 47 | n | " | " | " | |
| Surrogate: Tetrachloro-meta-xylene | | 57.2 % | 42-1 | | " | " | " | n | |



| | ···· | | ······································ |
|-----------------------------|------------------|---------------------------|--|
| AMEC | Project: | San Diego Airport (2013) | |
| 9177 Sky Park Court Suite A | Project Number: | [none] | Reported: |
| San Diego CA, 92123 | Project Manager: | Amanda Archenhold | 12/18/13 10:47 |
| | | A DOD - he EDA Mathad (00 | |

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-----------------|--------------------|----------|-----------------|---------|----------|----------------|---------|-------|
| C-B05-4-112113 (1311263-04) Liquid | Sampled: 11/21/ | 13 05:30 R | eceived: | 11/21/13 1 | 3:26 | | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3L0227 | 11/27/13 | 12/02/13 15:00 | EPA 608 | · |
| HCH-alpha | ND | 0.010 | я | 11 | -II | R. | и | Ц | |
| HCH-beta | ND | 0.050 | н | н | 9 | | 31 | н | |
| HCH-delta | ND | 0.10 | н | н | . 11 | 11 | п | II. | * |
| HCH-gamma (Lindane) | ND | 0.20 | 11 | U. | н | н | n | " | - |
| Chlordane | ND | 0.050 | 0 | 9 | 11 | 11 | 11 | 11 | |
| 4,4′-DDD | ND | 0.010 | п | n | . " | U | 11 | " | |
| 4,4′-DDE | ND | 0.010 | н | " | 11 | n | U. | II. | |
| 4,4'-DDT | ND | 0.010 | H. | u | н | н | n | U. | |
| Dieldrin | ND | 0.020 | 11 | 11 ¹ | 0 | 11 | л | n | |
| Endosulfan I | ND | 0.020 | 11 | U II | 0 | 11 | л | н | |
| Endosulfan II | ND | 0.050 | н | 8 | 11 | я | .u | н | |
| Endosulfan sulfate | ND | 0.050 | n. | н | н | н | | 11 | |
| Endrin | ND | 0.10 | 11 | 11 | n | н | н | н | |
| Endrin aldehyde | ND | 0.050 | м | | | U. | 11 | н | |
| Heptachlor | ND | 0.010 | н | ' н | ti | 11 | 0 | н | |
| Heptachlor epoxide | ND | 0.010 | | 11 | н | 11 | -H | 11 | |
| Toxaphene | ND | 1.0 | н | | н | и | 11 | 11 | |
| PCB-1016 | ND | 0.50 | н | N- | 9 | 11 | U | н | |
| PCB-1221 | ND | 0.50 | 11 | н | 10 | 11 | 11 | н | |
| PCB-1232 | ND | 0.50 | 11 | 11 ° | n | я | ų | н | |
| PCB-1242 | ND | 0.50 | и | . 11 | н | п | 11 | II. | |
| PCB-1248 | ND | 0.50 | н | н | 11 | н | н | U U | |
| PCB-1254 | ND | 0.50 | U. | М | 11 | 41 | н | 11 | |
| PCB-1260 | ND | 0.50 | " | н | 11 | n | n | Ш | |
| Surrogate: Decachlorobiphenyl | | 56.4 % | 42 | -147 | 11 | " | п | 11 | |
| Surrogate: Tetrachloro-meta-xylene | | 58.8 % | 42 | -147 | " | 11 | " | " | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Pr Project Nu Project Mai | mber: [no | ne] | irport (20 nenhold | 13) | | Reported 12/18/13 1 | |
|--|----------------|---------------------------------|-----------|-----------|-----------------------|----------|----------------|-------------------------------|-------|
| (| Organochlorin | | | | | | | | |
| | | Sierra Ai | ialytica | I Labs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| S-B06-12-112113 (1311263-05) Liquid | Sampled: 11/21 | /13 05:51 1 | Received: | 11/21/13 | 13:26 | | | | |
| Aldrin | ND | 0.075 | μg/L | 1 | B3L0227 | 11/27/13 | 12/02/13 15:00 | EPA 608 | |
| HCH-alpha | ND | 0.010 | 11 | " | 11 | -0 | н | n | |
| HCH-beta | ND | 0.050 | | | 1Ĕ | м | н | n | |
| HCH-delta | ND | 0.10 | 11 | 11 | ų | н | | n | |
| HCH-gamma (Lindane) | ND | 0.20 | н | " | 0 | н | 11 | н | |
| Chlordane | ND | 0.050 | н | 11 | n | н | N. | н | |
| 4,4´-DDD | ND | 0.010 | н . | n | н | н | л | " | |
| 4,4´-DDE | ND | 0.010 | | н | n | H. | 11 | и | |
| 4,4´-DDT | ND | 0.010 | н | 11 | н | 11 | 11 | 11 | |
| Dieldrin | ND | 0.020 | | н | 11 | u. | AI. | н | |
| Endosulfan I | ND | 0.020 | -11 | н | н | 11 | 11 | Π. | |
| Endosulfan II | ND | 0.050 | " | 9 | 11 | 11 | NI . | н | |
| Endosulfan sulfate | ND | 0.050 | .11 | н | n. | 11 | 41 | н | |
| Endrin | ND | 0.10 | ų | 11 | n | | 11 | н | |
| Endrin aldehyde | ND | 0.050 | 11 | 11 | u, | 0 | И | л | |
| Heptachlor | ND | 0.010 | 11 | н | H. | 11 | .91 | n | |
| Heptachlor epoxide | ND | 0.010 | u . | .0 | ** | 11 | 91 | n | |
| Toxaphene | ND | 1.0 | н | н | 19 | Ŷ | 91 | .n | |
| PCB-1016 | ND | 0.50 | н | н | 11 | 0 | 11 | н | |
| PCB-1221 | ND | 0.50 | н | 99 | 9 | " | 11 | н | |
| PCB-1232 | ND | 0.50 | н | 11 | 9 | " | 91 | н | |
| PCB-1242 | ND | 0.50 | м | 11 | 14 | " | 11 | н | |
| PCB-1248 | ND | 0.50 | н | .9 | 11 | 11 | ч | | |
| PCB-1254 | ND | 0.50 | н | 11 | -11 | 11 | u. | | |
| PCB-1260 | ND | 0.50 | н | " | 9 | " | 41 | н | |
| Surrogate: Decachlorobiphenyl | | 52.8 % | 42- | 147 | 11 | " | 11: | " | |
| Surrogate: Tetrachloro-meta-xylene | | 63.2 % | 42- | 147 | " | " | <i>n</i> : | " | |



| Sky Park Court Suite AProject Number: [none]Diego CA, 92123Project Manager: Amanda Archenhold | 12/18/13 10:47 |
|---|----------------|
| Sky Park Court Suite A Project Number: [none] | |
| | Reported: |
| BC Project: San Diego Airport (2013) | |

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-----------------|--------------------|----------|------------|---------|----------|----------------|---------|-------|
| C-B07-6-112113 (1311263-06) Liquid | Sampled: 11/21/ | 13 05:40 R | eeeived: | 11/21/13 1 | 3:26 | | | | |
| PCB-1016 | ND | 0.50 | μg/L | 1 | B3L0227 | 11/27/13 | 12/02/13 15:00 | EPA 608 | |
| PCB-1221 | ND | 0.50 | . 11 | н | n | н | 11 | 11 | |
| PCB-1232 | ND | 0.50 | n | н | п | н | n - | . 11 | |
| PCB-1242 | ND | 0.50 | н | u | N. | " | Ħ | н | |
| PCB-1248 | ND | 0.50 | I | 11 | 11 | 11 | п | II. | |
| PCB-1254 | ND | 0.50 | .0 | 0 | н | н | 11 | 17 | |
| PCB-1260 | ND | 0.50 | ú | м., | n | n | 11 | 11 | |
| Surrogate: Decachlorobiphenyl | | 53.2 % | 42- | 147 | 11 | H | п | " | |
| Surrogate: Tetrachloro-meta-xylene | | 57.6% | 42- | 147 | " | " | " | " | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | oject: San I mber: [none ager: Aman |] | | 13) | | Reported 12/18/13 10 | |
|--|---------------------|--------------------|---|----------|------------------|-----------------|-----------------|---------------------------------------|----------|
| | Total Petr | oleum Hyd | lrocarbon | s (TP | H) by GO | C/FID | | | |
| | | Sierra An | alytical L | abs, I | nc. | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| C-B01-1A-112113-DUP (1311263-02) Li | iquid Sample | d: 11/21/13 0 | 5:20 Recei | ved: 11/ | 21/13 13:2 | 6 | | · · · · · · · · · · · · · · · · · · · | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K2703 | 11/25/13 | 11/27/13 16:2 | 5 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | 80.4 % 0.050 | <i>60-17</i> . " | 5 | 11 11 | <i>11</i> 11 | <i>II</i> II | H H | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | 80.4 % 0.050 | <i>60-17</i> . " | 5 " | <i>11</i> 11 | <i>11</i> 11 | <i>11</i> h | 11 11: | |
| Surrogate: o-Terphenyl | a | 80.4 % | 60-17 | | " | 'n | n | " | |
| C-B01-1A-112113 (1311263-03) Liquid Diesel Range Organics (C10-C24) | Sampled: 11/2 ND | 0.050 | mg/L | 1/21/13 | 13:26 B3K2703 | 11/25/13 | 11/07/12 11.3 | 0 EDA 9016D | |
| Surrogate: o-Terphenyl | ND | 77.6 % | тель 60-17 | | B3K2/03 | 11/25/13 | " | 9 EPA 8015B | |
| Jet-A | ND | 0.050 | " |) 11 | 11 | н. | н | n | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | 77.6 % 0.050 | 60-17. | 5 | <i>II</i> | <i>11</i> | " | H H | |
| Surrogate: o-Terphenyl | | 77.6 % | 60-17 | 5 | " | " | " | " | |
| C-B05-4-112113 (1311263-04) Liquid | Sampled: 11/21 | /13 05:30 R | eceived: 11/ | 21/13 1 | 3:26 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K2703 | 11/25/13 | I1/27/13 11:5 | 1 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | 76.4 % 0.050 | 60-17. | 5 " | <i>11</i> H | " | <i>11</i> 11 | <i>11</i> | |
| Surrogate: o-Terphenyl Oil Range Organics (C22-C36) | ND | 76.4 % | 60-17 | 5 " | <i>11</i> 11 | <i>II</i> | | <i>n</i> | <u> </u> |
| Surrogate: o-Terphenyl | ND | 76.4 % | 60-17 | | | " | " | | |
| | Sampled: 11/21 | • | | | 3:26 | | | | |
| Diesel Range Organics (C10-C24) | ND | 0.050 | mg/L | 1 | B3K2703 | 11/25/13 | 11/27/13 12:0 | 2 EPA 8015B | |
| Surrogate: o-Terphenyl Jet-A | ND | 86.8 % 0.050 | 60-17. | 5 " | " | <i>n</i> 11 | n H | <i>II</i> | |
| Surrogate: o-Terphenyl | | 86.8 % | 60-17 | | " | " | " | n | |
| Oil Range Organics (C22-C36) | ND | 0.050 | | н | 11 11 | " | | " | |



Analyte

Naphthalene

Acenaphthene

Phenanthrene

Fluoranthene

Anthracene

Fluorene

Pyrene

Chrysene

Benzo (b) fluoranthene

Benzo (k) fluoranthene

Dibenzo(a,h)anthracene

Indeno (1,2,3-cd) pyrene

Surrogate: Decafluorobiphenyl

Benzo (g,h,i) perylene

Benzo (a) pyrene

| AMEC 9177 Sky Park Court Suite A | Project Number: [no | a . | Reported: |
|-------------------------------------|--------------------------|------------------------|----------------|
| San Diego CA, 92123 | Project Manager: An | nanda Archenhold | 12/18/13 10:47 |
| Pol | ynuclear Aromatic Compou | nds by EPA Method 8310 | |
| | Sierra Analytical | l Labs, Inc. | |

Result Units Dilution Batch Prepared Analyzed Method Limit Sampled: 11/21/13 05:20 Received: 11/21/13 13:26 C-B01-1A-112113-DUP (1311263-02) Liquid μg/L 11/27/13 ND 0.500 1 B3L0229 12/02/13 14:16 EPA 8310 Acenaphthylene ND 1.00 0 ŋ 9 п -11 11 н 9 п ND 1.00 0 ND 0.100 н ... п н 11 ND 0.100 11 н н ш ND 0.0500 n ... ND 0.100 ND 0.100 0.0500 Benzo (a) anthracene ND

11

30-115

Reporting

0.100

0.100

0.0500

0.0500

0.100

0.100

0.100

57.6 %

| C-B01-1A-112113 (1311263-03) Liquid | Sampled: 11/21/13 05:20 | Received: 11/21/13 13:2 | 6 |
|-------------------------------------|-------------------------|-------------------------|---|
| | | | |

ND

ND

ND

ND

ND

ND

ND

| Naphthalene | ND | 0.500 | μg/L | 1 | B3L0229 | 11/27/13 | 12/02/13 14:16 | EPA 8310 |
|-------------------------------|----|--------|------|-----|---------|----------|----------------|----------|
| Acenaphthylene | ND | 1.00 | U U | п | н | u. | -N | It . |
| Acenaphthene | ND | 1.00 | , и | 0 | н | н | н | JI . |
| Fluorene | ND | 0.100 | n | 0 | н | н | н | u. |
| Phenanthrene | ND | 0.100 | 11 | 'n | | u. | 11 | 9 |
| Anthracene | ND | 0.0500 | ч | н | 11 | 11 | | n |
| Fluoranthene | ND | 0.100 | 11 | н | 10 | 11 | " | н |
| Pyrene | ND | 0.100 | n | 0 | п | 11 | 11 | B- |
| Benzo (a) anthracene | ND | 0,0500 | н | 91- | п | н | п | н |
| Chrysene | ND | 0.100 | н | 9 | n | н | н | н |
| Benzo (b) fluoranthene | ND | 0.100 | n | 11 | н | н | н., | в |
| Benzo (k) fluoranthene | ND | 0.0500 | -11 | п | U | м | п | н |
| Benzo (a) pyrene | ND | 0.0500 | | п | " | n | н | н |
| Dibenzo(a,h)anthracene | ND | 0.100 | | в | н | н | н | n |
| Benzo (g,h,i) perylene | ND | 0.100 | | н | 11 | н | н | n |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | n - | H | 11 | и | н | 11 |
| Surrogate: Decafluorobiphenyl | | 59.2 % | 30-1 | 15 | " | " | " | 11 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Notes

n

ai.

н

11

п

n

...

11

"

#



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:47 |

Polynuclear Aromatic Compounds by EPA Method 8310

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------------|---|----------------|-------------|----------------|----------|----------------|---------------|-------|
| C-B05-4-112113 (1311263-04) Liquid | Sampled: 11/21 | '13 05:30 R | eceived: | 11/21/13 13 | 3:26 | | 4140 | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3L0229 | 11/27/13 | 12/02/13 14:16 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | п | 11 | 11 | n | н | н | |
| Acenaphthene | ND | 1.00 | n | н | 11 | -H | н | 0 | |
| Fluorene | ND | 0.100 | <u>,</u> n | н | и | п | н | n | |
| Phenanthrene | ND | 0.100 | n | н | и | н | н | н | |
| Anthracene | ND | 0.0500 | н | н | н | н | н | н | |
| Fluoranthene | ND | 0.100 | 9 | п | н | " | н | н | |
| Pyrene | ND | 0,100 | 11 | 11 | н | 11 | н | н | |
| Benzo (a) anthracene | ND | 0.0500 | 11 | 11 | н | 11 | n | н | |
| Chrysene | ND | 0.100 | 11 | 11 | н | 11 | п | н | |
| Benzo (b) fluoranthene | ND | 0.100 | 11 | 11 | н | 11 | н | н | |
| Benzo (k) fluoranthene | ND | 0.0500 | 0 | u. | n. | 11 | н | н | |
| Benzo (a) pyrene | ND | 0.0500 | 0 | 11 | u. | 11 | н | н | |
| Dibenzo(a,h)anthracene | ND | 0.100 | n | ÌI | u. | 11 | п. | н | |
| Benzo (g,h,i) perylene | ND | 0.100 | н | н | 11 | 11 | н | 11 | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | в | н | | н | и | 11 | |
| Surrogate: Decafluorobiphenyl | | 66.0 % | 30- | 115 | " | " | " | 11 | |
| S-B06-12-112113 (1311263-05) Liquid | Sampled: 11/21 | /13 05:51 | Received: | 11/21/13 1 | 3:26 | | | | |
| Naphthalene | ND | 0.500 | μg/L | 1 | B3L0229 | 11/27/13 | 12/02/13 14:16 | EPA 8310 | |
| Acenaphthylene | ND | 1.00 | .8 | н | 0 | н | tr. | 11 | |
| Acenaphthene | ND | 1.00 | н | н | 0 | н | 11 | 11 | |
| Fluorene | ND | 0.100 | н | н | 11 | н | н | 11 | |
| Phenanthrene | ND | 0.100 | н | н | U U | и | и | н | |
| Anthracene | ND | 0.0500 | н | н | 11 | н | н | ч | |
| Fluoranthene | ND | 0.100 | н | н | u | 11 | и | 11 | |
| Pyrene | ND | 0.100 | н | н | 0 | н | н | н | |
| Benzo (a) anthracene | ND | 0.0500 | н | н | 11 | 11 | н | н | |
| · ···································· | | | н | н | u. | 11 | н | н | |
| Chrysene | ND | 0.100 | | | | | | | |
| Chrysene Benzo (b) fluoranthene | ND ND | $\begin{array}{c} 0.100 \\ 0.100 \end{array}$ | n | н | 11 | 11 | н | н | |
| Benzo (b) fluoranthene | ND | 0,100 | n H | H H | u u | 11 | n | n N | |
| Benzo (b) fluoranthene Benzo (k) fluoranthene | ND ND | 0,100 0.0500 | | | | | | | |
| Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene | ND ND ND | 0,100 0.0500 0.0500 | н | н | u | 11 | н | н | |
| Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Dibenzo(a,h)anthracene | ND ND ND ND | 0,100 0.0500 0.0500 0.100 | H H | H | u Ji | 11 12 | N H | н 11 12 | |
| Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene | ND ND ND | 0,100 0.0500 0.0500 | 11 11 11 | H H H | 11 11 11 | n n | 11 11 11 | H H | |

S I E R R A ANALYTICAL

Cadmium

Chromium

Copper

Iron

Lead

Nickel

Silver

Zinc

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | Project: San Diego Airport (2013) Project Number: [none] Project Manager: Amanda Archenhold | | | | | | | | | d: 0:47 |
|--|---|--------------------|-------|----------------|------------------|----------|----------------|-----|--------------|------------|
| | Metals by | | | | | | | | | |
| | | | | | | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K2207 - EPA 200 Series | | | | | | | | | | |
| Blank (B3K2207-BLK1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/23/13 | | | |
| Aluminum | ND | 25 | μg/L | | | | | | | |
| Arsenic | ND | 3.0 | U. | | | | | | | |
| Cadmium | - ND | 2.0 | 11 | | | | | | | |
| Chromium | ND | 3.0 | 11 | | | | | | ` | |
| Copper | ND | 1.0 | n | | | | | | | |
| ron | ND | 0.025 | mg/L | | | | | | | |
| ead | ND | 1.0 | μg/L | | | | | | | |
| lickel | ND | 5.0 | 11 | | | | | | | |
| liver | ND | 1.5 | 11 | | | | | | | |
| Linc | ND | 1.0 | IT | | | | | | | |
| Blank (B3K2207-BLK2) | | | | Prepared: | 11/22/13 | Analyzed | I: 11/23/13 | | | |
| Aluminum | ND | 25 | μg/L | | | | | | | |
| Arsenic | ND | 3.0 | 9 | , | | | | | | |
| Cadmium | ND | . 2.0 | п | | | | | | | |
| Chromium | ND | 3.0 | 11 | | | | | | | |
| Copper | ND | 1.0 | H | | | | | | | |
| ron | ND | 0.025 | mg/L | | | | | | | |
| Lead | ND | 1,0 | μg/L | | | | | | | |
| Vickel | ND | 5.0 | u. | | | | | | | |
| Silver | ND | 1.5 | 11 | | | | | | | |
| Zinc | ND | 1.0 | н | | | | | | | |
| LCS (B3K2207-BS1) | | | | Prepared | : 11/22/13 | Analyzed | 1: 11/23/13 | | | |
| Aluminum | 111 | 25 | μg/L | 100 | | 111 | 85-115 | | | |
| Arsenic | 101 | 3.0 | 11 | 100 | ÷., | 101 | 85-115 | | | |
| | | | | | | | 05 115 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

н

н

n

mg/L μg/L

п

н

н

2.0

3.0

1.0

1.0

5.0

1.5

1.0

0.025

99.2

104

102

0.104

92,4

102

97.8

97.1

100

100

100

0.100

100

100

100

100

99.2

104

102

104

92.4

102

97.8

97.1

85-115

85-115

85-115

85-115

85-115

85-115

85-115

85-115



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [n | n Diego A one] nanda Arch | | 013) | | | Reporte 12/18/13 | |
|--|--------------------------|--------------------|---------------------|---------------------------------|------------------|-------------------|----------------|-----|----------------------------|-------|
| | Metals by | EPA 200 Se | eries M | ethods - Q | uality C | ontrol | | | | |
| | | Sierra Ar | nalytica | l Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K2207 - EPA 200 Series | | | | | | | | | | |
| LCS (B3K2207-BS2) | | | | Prepared: | 11/22/13 | Analyzed: | 11/23/13 | | | |
| luminum | 108 | 25 | μg/L | 100 | | 108 | 85-115 | | | - |
| arsenic | 106 | 3.0 | 1 | 100 | | 106 | 85-115 | | | |
| admium | 97.1 | 2.0 | u | 100 | | 97.1 | 85-115 | | | |
| Chromium | 103 | 3.0 | 11 | 100 | | 103 | 85-115 | | | |
| opper | 100 | 1.0 | 40 | 100 | | 100 | 85-115 | | | |
| on | 0.102 | 0.025 | mg/L | 0.100 | | 102 | 85-115 | | | |
| ead | 87.8 | 1.0 | μg/L | 100 | | 87.8 | 85-115 | | | |
| lickel | 89.3 | 5.0 | " | 100 | | 89.3 | 85-115 | | | |
| ilver | 96.2 | 1.5 | н | 100 | | 96.2 | 85-115 | | | |
| Cinc | 96.5 | 1.0 | ท | 100 | | 96.5 | 85-115 | | | |
| Matrix Spike (B3K2207-MS1) | So | urce: 131126 | 3-01 | Prenared | 11/22/13 | Analyzed: | | | | |
| | 96.0 | 25 | μg/L | 100 | ND | 96.0 | 70-130 | | | · |
| Arsenic | 104 | 3.0 | 10 | 100 | ND | 104 | 70-130 | | | |
| Cadmium | 99.8 | 2.0 | н | 100 | ND | 99.8 | 70-130 | | | |
| Thromium | 98.6 | 3.0 | n. | 100 | ND | 98.6 | 75-130 | | | |
| Copper | 104 | 1.0 | 11 | 100 | 0.30 | 104 | 70-130 | | | |
| ron | 0.107 | 0.025 | mg/L | 0,100 | ND | 107 | 70-130 | | | |
| ead | 89.3 | 1.0 | μg/L | 100 | ND | 89.3 | 70-130 | - | | |
| Vickel | 102 | 5.0 | μg/L 11 | 100 | ND | 102 | 70-130 | | | |
| Silver | 102 | 1.5 | п | 100 | 0.70 | 102 | 70-130 | | | |
| Zinc | 85.9 | 1.0 | н | 100 | ND | 85,9 | 70-130 | | | |
| | | | 2.05 | | | Analyzed: | | | | |
| Matrix Spike (B3K2207-MS2) | 124 | urce: 131126 | 2-05 μg/L | 100 | 40 | Analyzed: 84.0 | 70-130 | | | |
| Arsenic | 104 | 3.0 | _μg/L | 100 | 40 ND | 84.0 104 | 70-130 | | | |
| Cadmium | 98.4 | 2.0 | · 11 | 100 | ND | 98.4 | 70-130 | | | |
| Chromium | 98. 4 97.0 | 2.0 3.0 | u u | 100 | ND | 98.4 97.0 | 75-130 | | | |
| Copper | 97.0 117 | 3.0 1.0 | 11 | 100 | ND | | | | | |
| ron | 0.160 | | | | | 117 | 70-130 | | | |
| | | 0.025 | mg/L | 0.100 | 0.088 | 72.0 | 70-130 | | | |
| sead Vielent | 83.7 | 1.0 | μg/L " | 100 | ND | 83.7 | 70-130 | | | |
| Nickel | 98.0 | 5.0 | n | 100 | 0.90 | 97.1 | 70-130 | | | |
| Silver | 104 | 1.5 | | 100 | 0.60 | 103 | 70-130 | | | |
| Zinc | 138 | . 1,0 | | 100 | 55 | 83.0 | 70-130 | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur | nber: [no | n Diego A one] nanda Arche | |)13) | | | Reporte 12/18/13 | 1 |
|--|--------------------|--------------------|-----------|----------------------------------|------------------|----------|---------------------|-------|----------------------------|-------|
| | Metals by] | EPA 200 Se | eries Mo | ethods - Q | uality Co | ontrol | | | | |
| · · · · · · · · · · · · · · · · · · · | | Sierra An | alytica | l Labs, h | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K2207 - EPA 200 Series | | | | | | | | | <u>.</u> | |
| Matrix Spike Dup (B3K2207-MSD1) | Source: 1311263-01 | | | Prepared: | 11/22/13 | Analyzed | : 11/23/13 | | | |
| Aluminum | 112 | 25 | μg/L | 100 | ND | 112 | 70-130 | 15.4 | 30 | |
| Arsenic | 84.6 | 3.0 | н | 100 | ND | 84.6 | 70-130 | 20.6 | 30 | |
| Cadmium | 100 | 2.0 | и | 100 | ND | 100 | 70-130 | 0.200 | 30 | |
| Chromium | 104 | 3.0 | 11 | 100 | ND | 104 | 75-130 | 5.33 | 30 | |
| Copper | 107 | 1.0 | U | 100 | 0.30 | 107 | 70-130 | 2.84 | 30 | |
| ron | 0,105 | 0.025 | mg/L | 0.100 | ND | 105 | 70-130 | 1.89 | 30 | |
| Lead | 86.9 | 1.0 | μg/L | 100 | ND | 86.9 | 70-130 | 2.72 | 30 | |
| Nickel | 103 | 5.0 | л | 100 | ND | 103 | 70-130 | 0.976 | 30 | |
| Silver | 100 | 1.5 | н | 100 | 0.70 | 99.3 | 70-130 | 0.995 | 30 | |
| Zinc | 104 | 1.0 | IJ | 100 | ND | 104 | 70-130 | 19,1 | 30 | |
| Matrix Spike Dup (B3K2207-MSD2) | Sou | irce: 131126 | 2-05 | Prepared: | 11/22/13 | Analyzed | I: 11/23/13 | | | |
| Aluminum | 112 | 25 | μg/L | 100 | 40 | 72.0 | 70-130 | 10.2 | 30 | |
| Arsenic | 104 | 3.0 | ч | 100 | ND | 104 | 70-130 | 0.00 | 30 | |
| Cadmium | 99.7 | 2.0 | D | 100 | ND | 99.7 | 70-130 | 1.31 | 30 | |
| Chromium | 99.6 | 3.0 | | 100 | ND | 99.6 | 75-130 | 2.64 | 30 | |
| Copper | 116 | 1.0 | 11 | 100 | ND | 116 | 70-130 | 0.858 | 30 | |
| Iron | 0.158 | 0.025 | mg/L | 0.100 | 0.088 | 70.0 | 70-130 | 1.26 | 30 | |
| Lead | 77.8 | 1.0 | μg/L | 100 | ND | 77.8 | 70-130 | 7.31 | 30 | |
| Nickel | 105 | 5.0 | н | 100 | 0.90 | 104 | 70-130 | 6.90 | 30 | |
| Silver | 102 | 1.5 | 0 | 100 | 0.60 | 101 | 70-130 | 1:94 | 30 | |
| Zinc | 137 | 1,0 | 11 | 100 | 55 | 82.0 | 70-130 | 0.727 | 30 | |
| Batch B3K2209 - EPA 200 Series | | | | | | | | | | , |
| Blank (B3K2209-BLK1) | | | | Prepared: | 11/22/13 | Analyzed | 1: 11/26 /13 | | | |
| Hexayalent Chromium | ND | 0,0020 | mg/L | | | | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [n | an Diego A one] manda Arche | | 013) | | | Reported: 12/18/13 10:47 | | |
|--|-------------|--------------------|--------------|-----------------------------------|------------------|-------------------|----------------|------|------------------------------------|-------|--|
| | Metals by] | EPA 200 Se | eries M | ethods - Qu | uality C | ontrol | | | | | |
| | | Sierra An | alytica | al Labs, Ir | ıc. | | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
| Batch B3K2209 - EPA 200 Series | <u> </u> | | | | | | | | | | |
| Blank (B3K2209-BLK2) | | | | Prepared: | 11/22/13 | Analyzed: | 11/26/13 | | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | | · • • • | | | | | |
| LCS (B3K2209-BS1) | | | | Prenared: | 11/22/13 | Analyzed: | 11/26/13 | | | | |
| Hexavalent Chromium | 0.00270 | 0.0020 | mg/L | 0.00300 | | 90.0 | 85-115 | | | | |
| LCS (B3K2209-BS2) | | | | Prepared: | 11/22/13 | Analyzed: | 11/26/13 | | | | |
| Hexavalent Chromium | 0.00297 | 0.0020 | mg/L | 0.00300 | | 99.0 | 85-115 | | | | |
| Matrix Spike (B3K2209-MS1) | Sou | irce: 131126 | 3-01 | Prepared: | 11/22/13 | Analyzed: | 11/26/13 | | | | |
| lexavalent Chromium | 0.00284 | 0.0020 | mg/L | 0.00300 | ND | 94.7 | 80-120 | | | | |
| Matrix Spike (B3K2209-MS2) | Sou | rce: 131126 | 2-05 | Prepared: | 11/22/13 | Analyzed: | 11/26/13 | | | | |
| Hexavalent Chromium | 0.00285 | 0.0020 | mg/L | 0.00300 | ND | 95.0 | 80-120 | | | | |
| Matrix Spike Dup (B3K2209-MSD1) | Sou | irce: 131126 | 3-01 | Prenared | 11/22/13 | Analyzed: | 11/26/13 | | | | |
| Hexavalent Chromium | 0.00259 | 0.0020 | mg/L | 0.00300 | ND | 86.3 | 80-120 | 9.21 | 20 | | |
| Madula Caller Dear (D21/2200 MCD2) | G | | 2.05 | D | 11/00/10 | * 1 1 | 11/06/10 | | | | |
| Matrix Spike Dup (B3K2209-MSD2) Hexavalent Chromium | 0,00285 | 0.0020 | 2-05 mg/L | 0,00300 | ND | Analyzed: 95.0 | 80-120 | 0.00 | 20 | | |
| | 0,00200 | 0.0020 | mg/ D | 0,00500 | | 25.0 | 00-120 | 0.00 | 20 | | |
| Batch B3K2224 - EPA 200 Series | | ····· | | 1 | | 4 N N | | | | | |
| Blank (B3K2224-BLK1) | | | | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | | |
| Mercury | ND | 0.00030 | mg/L | | | | | | | | |
| Blank (B3K2224-BLK2) | | | | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | | |
| Mercury | ND | 0.00030 | mg/L | | | | | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | nber: [no | n Diego A one] nanda Arche | Reported: 12/18/13 10:47 | | | | | |
|--|-------------|-------------------------|-----------|----------------------------------|------------------------------------|-----------|----------------|------|--------------|-------|
| | Metals by] | EPA 200 Se Sierra An | | - | • | ontrol | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K2224 - EPA 200 Series | | | | · · · | | | | | | |
| LCS (B3K2224-BS1) | | | | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | |
| Mercury | 0.00090 | 0.00030 | mg/L | 0.00100 | | 90.0 | 75-125 | | | |
| LCS (B3K2224-BS2) | | | | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | |
| Mercury | 0.00082 | 0.00030 | ıng/L | 0.00100 | | 82.0 | 75-125 | | | |
| Matrix Spike (B3K2224-MS1) | Sou | rce: 131126 | 1-01 | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | |
| Mercury | 0,00098 | 0.00030 | mg/L | 0.00100 | ND | 98.0 | 75-125 | | | |
| Matrix Spike (B3K2224-MS2) | Sou | rce: 131126 | 2-11 | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | |
| Mercury | 0.00090 | 0.00030 | mg/L | 0.00100 | ND | 90.0 | 75-125 | | | |
| Matrix Spike Dup (B3K2224-MSD1) | Sou | rce: 131126 | 1-01 | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | |
| Mercury | 0.00097 | 0.00030 | mg/L | 0.00100 | ND | 97.0 | 75-125 | 1.03 | 20 | |
| Matrix Spike Dup (B3K2224-MSD2) | Sou | arce: 131126 | 2-11 | Prepared: | 11/22/13 | Analyzed: | 11/25/13 | | | |
| Mercury | 0.00091 | 0,00030 | mg/L | 0.00100 | ND | 91.0 | 75-125 | 1.10 | 20 | |



Copper

Lead

Nickel

Silver

Zinc

Arsenic

Copper

Lead

Nickel

Silver

Zinc

Arsenic

Copper

Lead

Nickel

Silver

Zinc

Cadmium

Chromium

Cadmium

Chromium

LCS (B3K2208-BS1)

Matrix Spike (B3K2208-MS1)

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project: San Diego Airport (2013) Project Number: [none] Project Manager: Amanda Archenhold | | | | | | | | d: 10:47 |
|--|------------------|---|---------|----------------|------------------|-----------|----------------|-----|--------------|-------------|
| · · | Metals (Dissolve | d) by EPA | 200 Ser | ies Metho | ds - Qua | lity Cont | rol | | | |
| | | Sierra An | alytica | ıl Labs, I | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K2208 - EPA 200 Seri | es | | | | | | | | | |
| Blank (B3K2208-BLK1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/23/13 | | | |
| Arsenic | ND | 3.0 | μg/L | | | | | | | |
| Cadmium | ND | 2.0 | и | | | | | | | |
| Chromium | ND | 3.0 | -11 | | | | | | | |

н

n,

я

-11

11

μg/L

n

n

н

н

ņ

ц

н

μg/L

91

n

н

B

11

я

н

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

Prepared: 11/22/13 Analyzed: 11/23/13

85.8

102

108

110

85.1

99.0

110

95.9

83.3

97.8

102

110

94.5

102

98,8

106

Prepared: 11/22/13 Analyzed: 11/23/13

ND

ND

ND

3,5

ND

ND

ND

18

85-115

85-115

85-115

85-115

85-115

85-115

85-115

85-115

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

1.0

2.0

5.0

1.5

1.0

3.0

2.0

3.0

1.0

2.0

5.0

1.5

1.0

3.0

2.0

3.0

1.0

2.0

5.0

1.5

1.0

Source: 1311263-02

ND

ND

ND

ND

ND

85.8

102

108

110

85.1

99.0

110

95,9

83.3

97.8

102

113

94.5

102

98.8

124



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | nber: [n | in Diego Ai one] nanda Arche | • |)13) | | | Reported: 12/18/13 10:47 | | |
|--|----------------|------------------------|----------|------------------------------------|------------------|-----------|----------------|-------|---------------------------------|-------|--|
| Met | als (Dissolved | l) by EPA Sierra An | | | | lity Cont | rol | | | | |
| · | | | | | | | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
| Batch B3K2208 - EPA 200 Series | | | | | | | | | | | |
| Matrix Spike Dup (B3K2208-MSD1) | Sou | rce: 131126 | 3-02 | Prepared: | 11/22/13 | Analyzed | : 11/23/13 | | | | |
| Arsenic | 104 | 3.0 | µg/L | 100 | ND | 104 | 70-130 | 22.1 | 30 | | |
| Cadmium | 96.3 | 2.0 | | 100 | ND | 96.3 | 70-130 | 1.55 | 30 | | |
| Chromium | 101 | 3.0 | п | 100 | ND | 101 | 70-130 | 0.985 | 30 | | |
| Copper | 108 | 1.0 | н | 100 | 3.5 | 104 | 70-130 | 4.52 | 30 | | |
| Lead | 82.5 | 2.0 | н | 100 | ND | 82.5 | 70-130 | 13.6 | 30 | | |
| Nickel | 105 | 5.0 | н | 100 | ND | 105 | 70-130 | 2.90 | 30 | | |
| Silver | 97.1 | 1.5 | 11 | 100 | ND | 97.1 | 70-130 | 1.74 | 30 | | |
| Zinc | 114 | 1.0 | 11 | 100 | 18 | 96.0 | 70-130 | 8.40 | 30 | | |
| Batch B3K2210 - EPA 200 Series | | | | | | | | | | | |
| Blank (B3K2210-BLK1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/27/13 | | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | | | | | | | |
| LCS (B3K2210-BS1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/27/13 | | | | |
| Hexavalent Chromium | 0.00298 | 0.0020 | mg/L | 0,00300 | | 99.3 | 85-115 | | | | |
| Matrix Spike (B3K2210-MS1) | Sou | rce: 131126 | 3-02 | Prepared: | 11/22/13 | Analyzed | l: 11/27/13 | | , | | |
| Hexavalent Chromium | 0.00300 | 0.0020 | mg/L | 0.00300 | ND | 100 | 80-120 | | | | |
| Matrix Spike Dup (B3K2210-MSD1) | Sou | rce: 131126 | 3-02 | Prepared: | 11/22/13 | Analyzed | l: 11/27/13 | | | | |
| Hexavalent Chromium | 0.00300 | 0.0020 | mg/L | 0.00300 | ND | 100 | 80-120 | 0.00 | 20 | | |
| Batch B3K2225 - EPA 200 Series | | | | | | | | | | | |
| Blank (B3K2225-BLK1) | | | | Prepared: | 11/22/13 | Analyzec | 1: 11/25/13 | | | | |
| Mercury | ND | 0.00073 | mg/L | | | | | | | | |



ſ

Mercury

| AMEC | | Pr | oject: S | an Diego A | irport (2 | 013) | | | | | |
|---------------------------------|-----------------|--------------|----------|------------|-----------|----------|-------------|----------------|---------|-------|--|
| 9177 Sky Park Court Suite A | | Project Nu | | | • • | , | | | Reporte | d: | |
| San Diego CA, 92123 | | Project Mar | ager: A | manda Arch | enhold | | | 12/18/13 10:47 | | | |
| Μ | etals (Dissolve | d) by EPA | 200 Sei | ries Metho | ds - Qua | hty Cont | rol | | | | |
| | | Sierra An | alytic | al Labs, I | nc. | | | | | | |
| | | Reporting | | Spike | Source | | %REC | | RPD | | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | |
| Batch B3K2225 - EPA 200 Series | | | | | | | | - | | | |
| LCS (B3K2225-BS1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/25/13 | | | | |
| Mercury | 0.00080 | 0.00073 | mg/L | 0.00100 | | 80.0 | 80-120 | | | | |
| Matrix Spike (B3K2225-MS1) | Sou | rce: 131126. | 3-02 | Prepared: | 11/22/13 | Analyzed | : 11/25/13 | | | | |
| Mercury | 0.00105 | 0.00073 | mg/L | 0.00100 | ND | 105 | 80-120 | | | | |
| Matrix Spike Dup (B3K2225-MSD1) | Sou | rce: 131126 | 3-02 | Prepared: | 11/22/13 | Analyzed | 1: 11/25/13 | | | | |

mg/L

0.00100

ND

102

80-120

2.90

20

0.00102

0.00073



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:47 |

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------|--------------------|-------|----------------|------------------|----------|----------------|---------|--------------|-------|
| Batch B3L0227 - EPA 3510C Sep I | Tunnel | | | | | | | - · · · | | · · · |
| Blank (B3L0227-BLK1) | | | | Prepared: | 11/27/13 | Analyzed | : 12/02/13 | | | |
| Aldrin | ND | 0.075 | μg/L | | | | | | | |
| PCB-1016 | ND | 0.50 | " | | | | | | | |
| HCH-alpha | ND | 0.010 | | | | | | | | |
| PCB-1221 | ND | 0.50 | н | | | | | | | |
| HCH-beta | ND | 0.050 | н | | | | | | | |
| PCB-1232 | ND | 0,50 | ч. | | | | | | | |
| HCH-delta | ND | 0.10 | 9 | | | | | | | |
| PCB-1242 | ND | 0.50 | п | | | | | | | |
| HCH-gamma (Lindane) | ND | 0.20 | Ħ | | | | | | | |
| PCB-1248 | ND | 0.50 | 11 | | | | | | | |
| Chlordane | ND | 0.050 | 11 | | | | | | | |
| PCB-1254 | ND | 0.50 | н | | | | | | | |
| 4,4′-DDD | ND | 0.010 | 11 | | | | | | | |
| PCB-1260 | ND | 0,50 | н | | | | | | | |
| 4,4′-DDE | ND | 0.010 | н | | | | | | | |
| 4,4′-DDT | ND | 0.010 | u. | | | | | | | |
| Dieldrin | ND | 0.020 | 11 | | | | | | | |
| Endosulfan I | ND | 0.020 | | | | | | | | |
| Endosulfan II | ND | 0.050 | п | | | | | | | |
| Endosulfan sulfate | ND | 0.050 | 0 | | | | | | | |
| Endrin | ND | 0.10 | н | | | | | | | |
| Endrin aldehyde | ND | 0.050 | н | | | | | | | |
| Heptachlor | ND | 0.010 | н | | | | | | | |
| Heptachlor epoxide | ND | 0.010 | н | | | | | | | |
| Toxaphene | ND | 1.0 | | | | | | | | |
| PCB-1016 | ND | 0.50 | | | | | | | | • |
| PCB-1221 | ND | 0.50 | U | | | | | | | |
| PCB-1232 | ND | 0.50 | 11 | | | | | | | |
| PCB-1242 | ND | 0.50 | у, | | | | | | | |
| PCB-1248 | ND | 0.50 | | | | | | | | |
| PCB-1254 | ND | 0.50 | | | | | | | | |
| PCB-1260 | ND | 0.50 | н | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0,145 | | " | 0.250 | | 58.0 | 42-147 | | | |
| Surrogate: Tetrachloro-meta-xylene | 0.263 | | " | 0.250 | | 105 | 42-147 | | | |
| Surrogate: Decachlorobiphenyl | 0.145 | | " | 0.250 | | 58.0 | 42-147 | | | |
| Surrogate: Tetrachloro-meta-xylene | 0.263 | | " | 0.250 | | 105 | 42-147 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



AMECProject:San Diego Airport (2013)9177 Sky Park Court Suite AProject Number:[none]Reported:San Diego CA, 92123Project Manager:Amanda Archenhold12/18/13 10:47

Organochlorine Pesticides and PCBs by EPA Method 608 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------|----------|--------------------|-------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch B3L0227 - EPA 3510C Se | p Funnel | | | | _ | | | | | |
| LCS (B3L0227-BS1) | · | | | Prepared: | 11/27/13 | Analyzed | 1: 12/02/13 | | | |
| Aldrin | 0.0897 | 0.075 | µg/L | 0.0800 | | 112 | 80-120 | | | |
| HCH-gamma (Lindane) | 0.0766 | 0.20 | н | 0.0800 | | 95.8 | 80-120 | | | |
| PCB-1260 | 2.15 | 0.50 | н | 2.00 | | 108 | 80-120 | | | |
| 4,4′-DDT | 0.213 | 0.010 | n | 0.200 | | 106 | 80-120 | | | |
| Dieldrin | 0,196 | 0.020 | н | 0.200 | | 98.0 | 80-120 | | | |
| Heptachlor | 0.0878 | 0.010 | н | 0.0800 | | 110 | 80-120 | | | |
| LCS (B3L0227-BS2) | | | | Prepared: | 11/27/13 | Analyzed | l: 12/02/13 | | | |
| Aldrin | 0.0903 | 0.075 | µg/L | 0.0800 | | 113 | 80-120 | | | |
| HCH-gamma (Lindane) | 0.0878 | 0.20 | | 0.0800 | | 110 | 80-120 | | | |
| PCB-1260 | 1.76 | 0.50 | " | 2.00 | | 88.0 | 80-120 | | | |
| 4,4´-DDT | 0.175 | 0.010 | 0 | 0.200 | | 87.5 | 80-120 | | | |
| Dieldrin | 0.186 | 0.020 | ** | 0.200 | | 93.0 | 80-120 | | | |
| Heptachlor | 0.0701 | 0.010 | -19 | 0.0800 | | 87.6 | 80-120 | | | |
| LCS Dup (B3L0227-BSD1) | | | | Prepared: | 11/27/13 | Analyzed | l: 12/02/13 | | | |
| Aldrin | 0.0865 | 0.075 | μg/L | 0.0800 | | 108 | 80-120 | 3.63 | 30 | |
| HCH-gamma (Lindane) | 0.0753 | 0.20 | н - | 0.0800 | | 94,1 | 80-120 | 1.71 | 30 | |
| PCB-1260 | 2.21 | 0.50 | и | 2.00 | | 110 | 80-120 | 2.75 | 30 | |
| 4,4′-DDT | 0.167 | 0.010 | и. | 0.200 | | 83,5 | 80-120 | 24.2 | 30 | |
| Dieldrin | 0.173 | 0.020 | н | 0.200 | | 86.5 | 80-120 | 12.5 | 30 | |
| Heptachlor | 0.0852 | 0.010 | u | 0.0800 | | 106 | 80-120 | 3.01 | 30 | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:47 |

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch B3K2703 - EPA 3510C Sep | Funnel | | | | | | | | | |
| Blank (B3K2703-BLK1) | | | | Prepared: | 11/20/13 | Analyzed | : 11/21/13 | | | |
| Diesel Range Organics (C10-C24) | ND | 0,050 | mg/L | | | | | | | |
| Jet-A | ND | 0.050 | 11 | | | | | | | |
| Oil Range Organics (C22-C36) | ND | 0.050 | 11 | | | | | | | |
| Surrogate: o-Terphenyl | 0.0198 | | И. | 0.0250 | | 79.2 | 60-175 | | | |
| Surrogate: o-Terphenyl | 0.0198 | | и. | 0.0250 | | 79.2 | 60-175 | | | |
| Surrogate: o-Terphenyl | 0.0198 | | " | 0.0250 | | <i>79.2</i> | 60-175 | | | |
| LCS (B3K2703-BS1) | | | | Prepared: | 11/20/13 | Analyzed | : 11/21/13 | | | |
| Diesel Range Organics (C10-C24) | 0.515 | 0.050 | mg/L | 0.500 | | 103 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.515 | 0.050 | · n | 0.500 | | 103 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.515 | 0,050 | н | 0.500 | | 103 | 80-120 | | | |
| LCS (B3K2703-BS2) | | | | Prepared: | 11/20/13 | Analyzed | : 11/21/13 | | | |
| Diesel Range Organics (C10-C24) | 0,456 | 0.050 | mg/L | 0.500 | | 91.2 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.456 | 0.050 | 11 | 0.500 | | 91.2 | 80-120 | | | |
| Diesel Range Organics (C10-C24) | 0.456 | 0.050 | 11 | 0.500 | | 91.2 | 80-120 | | | |
| LCS Dup (B3K2703-BSD1) | | | | Prepared: | 11/20/13 | Analyzed | : 11/21/13 | | | |
| Diesel Range Organics (C10-C24) | 0.472 | 0.050 | mg/L | 0.500 | | 94,4 | 80-120 | 8.71 | 30 | |
| Diesel Range Organics (C10-C24) | 0.472 | 0.050 | D. | 0.500 | | 94.4 | 80-120 | 8.71 | 30 | |
| Diesel Range Organics (C10-C24) | 0,472 | 0.050 | н | 0.500 | | 94,4 | 80-120 | 8.71 | 30 | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:47 |

Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control - - - -

_...

| | | Sierra An | alytica | ul Labs, I | nc. | | | | | |
|---------------------------------|--------|--------------------|---------|----------------|------------------|----------|----------------|-----|--------------|-------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3L0229 - EPA 3510C Sep 1 | Funnel | | | | | | | | | |
| Blank (B3L0229-BLK1) | | | | Prepared: | 11/27/13 | Analyzed | : 12/02/13 | | | |
| Naphthalene | ND | 0.500 | μg/L | ÷ | | | | | | |
| Acenaphthylene | ND | 1.00 | 11 | | | | | | | |
| Acenaphthene | ND | 1.00 | 1f | | | | | | | |
| Fluorene | ND | 0.100 | 11 | | | | | | | |
| Phenanthrene | ND | 0.100 | 11 | | | | | | | |
| Anthracene | ND | 0.0500 | | | | | | | | |
| Fluoranthene | ND | 0.100 | н | | | | | | | |
| Pyrene | ND | 0.100 | п | | | | | | | |
| Benzo (a) anthracene | ND | 0.0500 | н, | | | | | | | |
| Chrysene | ND | 0.100 | п | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.100 | н | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.0500 | н | | | | | | | |
| Benzo (a) pyrene | ND | 0.0500 | ŧ | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 0.100 | 11 | | | | | | | |
| Benzo (g,h,i) perylene | ND | 0.100 | ч | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.100 | л | | | | | | | |
| Surrogate: Decafluorobiphenyl | 1.44 | | п | 2.50 | | 57.6 | 30-115 | | | |
| LCS (B3L0229-BS1) | | | | Prepared: | 11/27/13 | Analyzed | : 12/02/13 | | | |
| Naphthalene | 0.507 | 0.500 | μg/L | 0.500 | | 101 | 60-130 | | | |
| Fluorene | 0.479 | 0.100 | -11 | 0.500 | | 95.8 | 60-130 | | | |
| Pyrene | 0.338 | 0.100 | н | 0.500 | | 67.6 | 60-130 | | | |
| Benzo (a) pyrene | 0.454 | 0.0500 | 'n | 0.500 | | 90.8 | 60-130 | | | |
| Indeno (1,2,3-cd) pyrene | 0.391 | 0.100 | ч | 0,500 | | 78.2 | 60-130 | | | |
| Surrogate: Decafluorobiphenyl | 1.21 | | " | 2.50 | | 48.4 | 30-115 | | | |
| Matrix Spike (B3L0229-MS1) | Sou | irce: 131126 | 3-02 | Prepared: | 11/27/13 | Analyzed | : 12/02/13 | | | |
| Naphthalene | 0.580 | 0.500 | μg/L | 0.500 | ND | 116 | 60-140 | | | |
| Fluorene | 0.411 | 0.100 | 11 | 0.500 | ND | 82.2 | 60-140 | | | |
| Pyrene | 0.575 | 0.100 | U. | 0.500 | ND | 115 | 60-140 | | | |
| Benzo (a) pyrene | 0.559 | 0.0500 | 11 | 0.500 | ND | 112 | 60-140 | | | |
| Indeno (1,2,3-cd) pyrene | 0.439 | 0.100 | 11 | 0.500 | ND | 87.8 | 60-140 | | | |
| Surrogate: Decafluorobiphenyl | 2.31 | | 'n | 2.50 | | 92.4 | 30-115 | | | |



| Project: San Diego Airport (2013) | |
|------------------------------------|------------------------|
| Project Number: [none] | Reported: |
| Project Manager: Amanda Archenhold | 12/18/13 10:47 |
| | Project Number: [none] |

Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------------------|--------------------|-----------|----------------|------------------|----------|----------------|------|--------------|-------|
| Batch B3L0229 - EPA 3510C Sep Fu | nnel | | | | | | | | | |
| Matrix Spike Dup (B3L0229-MSD1) | Source: 1311263-02 | | Prepared: | 11/27/13 | Analyzed: | 12/02/13 | | | | |
| Naphthalene | 0.489 | 0.500 | μg/L | 0,500 | ND | 97.8 | 60-140 | 17.0 | 20 | |
| Fluorene | 0.357 | 0.100 | | 0.500 | ND | 71.4 | 60-140 | 14.1 | 20 | |
| Pyrene | 0.550 | 0.100 | | 0.500 | ND | 110 | 60-140 | 4.44 | 20 | |
| Benzo (a) pyrene | 0.469 | 0.0500 | н | 0.500 | ND | 93.8 | 60-140 | 17.5 | 20 | |
| Indeno (1,2,3-cd) pyrene | 0.469 | 0.100 | n. | 0.500 | ND | 93.8 | 60-140 | 6.61 | 20 | |
| Surrogate: Decafluorobiphenyl | 1,59 | | " | 2.50 | | 63.6 | 30-115 | | | |



| AMEC | | Project: San Diego Airport (2013) | |
|---------|--|------------------------------------|----------------|
| 9177 SI | cy Park Court Suite A | Project Number: [none] | Reported: |
| San Die | ego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:47 |
| | | Notes and Definitions | |
| DET | Analyte DETECTED | | |
| ND | Analyte NOT DETECTED at or above the reporti | ing limit | |
| NR | Not Reported | | |

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Weck Laboratories, Inc.

Analyticel Laboratory Service - Since 1964

Certificate of Analysis

 Report Date:
 12/03/13 17:58

 Received Date:
 11/25/13 12:40

 Turnaround Time:
 Normal

Phones: (949) 348-9389 Fax: (949) 348-9115

P.O. #:

Attn: Nick Forsyth

Project: 1311263

Client: Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653

Dear Nick Forsyth :

Enclosed are the results of analyses for samples received 11/25/2013 with the Chain of Custody document. The samples were received in good condition, at 5.2 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

| Lab Sample ID: 3K25022-01 Sampled by: Client | Sample I Sampled | | | 2113 (1311 | 263-05) | | | | Ма | trix: Water |
|---|---------------------|-----|------|------------|---------|-----------|----------|----------------|---------|-------------|
| Analyte | Result | MDL | MRL | Units | Dil | Method | Prepared | Analyzed | Batch | Qualifier |
| Ethylene glycol | ND | | 10 | · mg/l | 1 | EPA 8015B | 11/26/13 | 11/26/13 18:24 | W3K1179 | |
| Propylene glycol | ND | | 20 · | mg/l | 1 | EPA 8015B | 11/26/13 | 11/26/13 18:24 | W3K1179 | |



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W3K1179 - EPA 8015B

| Blank (W3K1179-BLK1) | | | | | Prepared: 11/ | '26/13 An | alyzed: 11/26 | /13 15:34 | |
|---------------------------------|------------------|---------------------|-----------|-------|----------------|-----------|----------------|------------|--------------|
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | | ND | | mg/i | | | | | |
| Propylene glycol | | ND | | mg/l | | | | | |
| LCS (W3K1179-BS1) | | | | | Prepared: 11/ | 26/13 An | alyzed: 11/26 | /13 16:03 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | | 108 | | mg/l | 100 | 108 | 46-129 | | |
| Matrix Spike (W3K1179-MS1) | So | urce: 3K2502 | 2-01 | | Prepared: 11/ | 26/13 An | alyzed: 11/26 | 6/13 16:31 | |
| Analyte | Sample Result | QC <u>Result</u> | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | 6.39 | 111 | | mg/l | 100 | 105 | 57-127 | | |
| Matrix Spike Dup (W3K1179-MSD1) | So | urce: 3K2502 | 2-01 | | Prepared: 11/ | /26/13 An | alyzed: 11/26 | 6/13 16:59 | |
| Analyte | Sample Result | QC Result | Qualifier | Units | Spike Level | %REC | %REC Limits | RPD | RPD Limit |
| Ethylene glycol | 6.39 | 125 | | mg/l | 100 | 118 | 57-127 | 12 | 25 |



Weck Laboratories, Inc.

Analytical Laboratory Service - Since 1964

Certificate of Analysis

Notes:

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL). For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature Contact: Kim G Tu (Project Manager)







ELAP # 1132 LACSD # 10143 NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

| ND | NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL). |
|-----|--|
| Sub | Subcontracted analysis, original report enclosed. |
| DL | Method Detection Limit |
| RL | Method Reporting Limit |
| MDA | Minimum Detectable Activity |
| NR | Not Reportable |
| | |



December 4, 2013

Rick Forsyth Sierra Analytical Labs, Inc. 26052 Merit Circle, Ste.104 Laguna Hills, CA 92653

Re: PTS File No: 43797 Physical Properties Data 1311263

Dear Mr. Forsyth:

Please find enclosed report for Physical Properties analyses conducted upon the sample received from your 1311263 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. Please note that the sample was used in entirety during testing.

PTS Laboratories, Inc. appreciates the opportunity to be of service. If you have any questions or require additional information, please contact Roxanne Maniquis at (562) 347-2512.

Sincerely, PTS Laboratories, Inc.

Michael Mark Brady, P.G. **District Manager**

Encl.

PTS Laboratories, Inc.

Sierra Analyticai Labs, Inc. PTS File No: 43797

> PARTICLE SIZE SUMMARY (METHODOLOGY: ASTM D4484M)

PROJECT NAME: N/A PROJECT NO: 1311263 Grain Size.

| | | ם משוו כולם | | | 北京市 たいたい ための ひ | | | | | 24 | | | |
|------------------------------|---------|-------------|---------|--------|----------------|--------|--------|----------------------------|--------|-------|-------|-----------------|-------|
| Sample ID | Matrix | micron (1) | 5% | 10% | 16% | 25% | 40% | 5% 25% 40% 50% 60% | 60% | | 84% | 75% 84% 90% 95% | 95% |
| S-B06-12-112113 (1311263-05) | Aqueous | 19.829 | 106.853 | 90.275 | 58.246 | 48,405 | 26.217 | 19.829 | 12.922 | 7.279 | 4.351 | 2.830 | 1.977 |

Distribution nercent micr

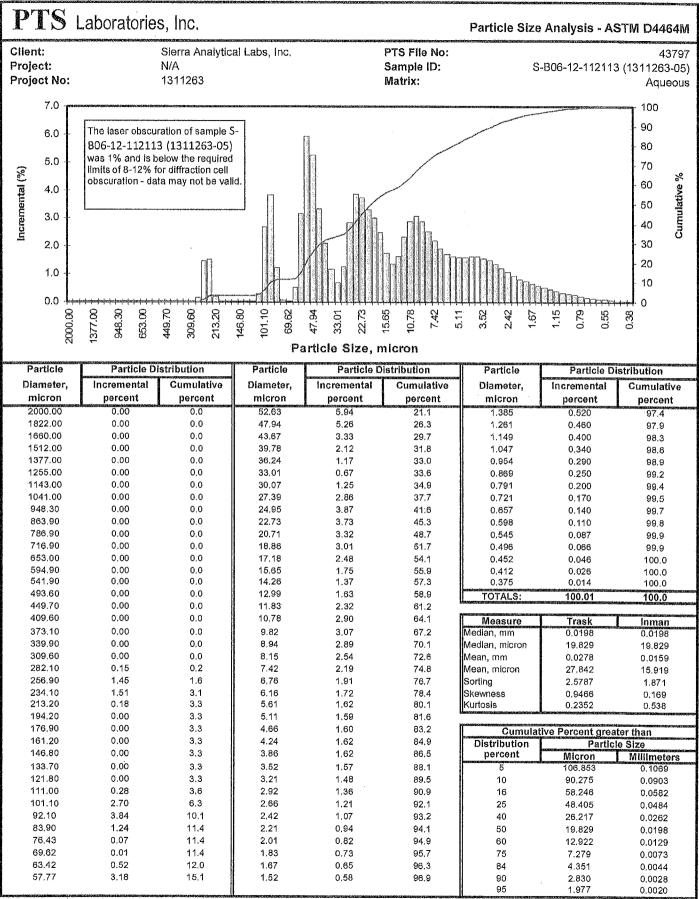
Ċ

CUMULATIVE PERCE

* The laser obscuration of sample S-B06-12-112113 (1311263-05) was 1%. The sample was below the required limits of B-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

Page 1 of 2



© PTS Laboratories, Inc.

Phone: (562) 907-3607

Fax: (562) 907-3611

| S NEE R RA | • | Sierra A | nalyti | CT ORDER cal Labs, Inc. t #: 1311263 | 1517 (|
|---|--|---|--|---|--|
| SENDING LABORATORY: | 1974) (Alt Constant Co | and the summary and the state of the second s | ang ang kasakana ang kasa kana kasa kana kasa kasa kasa kasa | ŊĊĨĸĸĸĸĊĨĬŦĊĿĸĸĸĸĸĸĸĸĸĊŎŎſĿŢŎŎŎĬĊĬĬĬŢĹĬĬĬŢŎĸŎŢĬĬŢŎŎ | |
| Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 104 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 Laboratory Contact: Nick Forsyth | 1 | 'lım Around 'lime Requested: | Winni 48 Hour 41 Day | 24 Hour 72 Hour 5 Day | RECEIVING LABORATORY: PTS Laboratories 8100 Secura Way Santa Fe Springs, CA 90670 Phone : (562) 907-3607 Fax: (562) 907-3610 |
| Analysis I | Expires | Sampled: | ` | Laboratory ID | Comments |
| Sample ID: S-B06-12-112113 (1311263-05) | Llquid | 11/21/13 05 | 5:51 | | ANALANA MANANANA MANANA MAN Manana manana manana Manana manana |
| Full Particle Sizing (Containers Supplied: (1L Amber (C) (|)5/20/14 05 | 5:51 | | | |
| | , 1999 - BANK BARAN BARAN | | | er by Karan Google fan ei card do moor noer fan en in | |
| | | | | | |
| | | | | ••• | |
| | | | | | |
| justice. | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| · · · | | | | | |
| | | | | | |
| | | | | | |
| <u>Special Instructions :</u> | | | | l scott J. constructions | On the Hone Street Stre |
| Relinquished By | l (-25-() Date / T | 3 @ 13:15 ime | | Received By | <u>11/25//3</u> 12:15 Date/Time |
| Relinquished By | Date 7 T | ime | - | Received By | Date 7 Time |
| Relinquished By | Date / T | lme | | Received By | Date / Time |

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc. PTS File No: 43797

> PARTICLE SIZE SUMMARY (METHODOLOGY: ASTM D4464M)

> > PROJECT NAME: PROJECT NO:

N/A 1311263

1.977 95% 2.830 80% 4.351 84% 7.279 75% CUMULATIVE PERCENT GREATER THAN Distribution percent, microns 25% | 40% | 50% | 60% | 75 12.922 19.829 26.217 48.405 25% 58.246 16% 90.275 10% 106.853 5% Median Grain Size, micron (1) 19.829 Aqueous Matrix S-B06-12-112113 (1311263-05) Sample ID

* The laser obscuration of sample S-B06-12-112113 (1311263-05) was 1%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

Page 1 of 1

CICORS

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

しないようなく、 - Swarks Mai 12:20 0 Count Bottle 105 Laguna Hills, CA 92653 June 26052 Merit Circle, Suite Phone: (949) 348-9389 Fax: (949) 348-9115 Q Preservative Sierra Analytical Date/Time: 1021-5 4°C 4°C 4°C 4°C 4°C Date/Time: <u>To:</u> 0.5 Gallon Plastic 0.5 Gallon Plastic 1L Clear 1L Amber 1L Amber Glass Glass Glass Bottle Size pH, SC, TSS, total hardness, total (Ai, As, Cd, Cu,Cr III, Cr O S 20 VI, Fe, Pb, Hg, Ni, Ag, Zn), Dissolved (As, Cd, Cu,Cr III, Cr VI, Pb, Hg, Ni, Ag, Zn), BOD, COD, ammonia, MBAS, pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr III, Cr VI, Fe, Pb, Hg, Ni, Ag, Zn), BOD, COD, ammonia, MBAS, Received By: Analyses Received By: Š ð ٩ Date/Time: 11/21/13, 1326 PCB, Chlordane O SZO^{OII & Grease} Page_ 0520 PAHS 840 0220 Date/Time: Time 11/21/13 Phone: (858) 278-3600 Fax: (858) 278-5300 1/21/13 3 02 C-B-01-14-1121 BUP 11/21/13 11/21/13 LLUNDA es. Date AMEC Environment & Infrastructure Barren ... Relinquished By: HWV Attn: Amanda Archenhold 01 C-B- 07-6-12113 BLK 03 C-B01-1A 11 2113 C-B01-1A | | 2 | 3 Sampler's Initials: A.(C-B01-1A 112113 9177 Sky Park Court San Diego, CA 92123 Relinquished By: SampleID From:

| Analysis Request and Chain of Custody | SAN DIEGO AIRPORT | To: Sierra Analytical Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 | Bottle Bottle Bottle Count Size Preservative Count | $\frac{13}{12} \frac{13}{0520} \text{pH, SC, TSS, total hardness, total (Al, As, Cd, Cu, Cr III, Cr 0.5 Gallon 4°C VI, Fe, Pb, Hg, Ni, Ag, Zn), Dissolved (As, Cd, Cu, Cr III, Cr Plastic 4°C 200, NI, Pb, Hg, Ni, Ag, Zn), BOD, COD, ammonia, MBAS, 200, 200, 200, 200, 200, 200, 200, 20$ | 13 0520 TPH (Jet fuel, diesel, motor oil) 1L Amber 4°C Glass | Oil & Grease 4°C Glass Grease | PAHs 1L Amber 4°C Glass | PCB, Chlordane 1L Amber 4°C Glass | $\frac{\overline{U}}{U} Date/Time: \underbrace{U/2/13, 13:2i}_{Pade} Received By: \underbrace{\underbrace{S}}_{of} \\ Date/Time: \underbrace{L/2/13, 13:2i}_{Pade} & \operatorname{Received By:}_{Date/Time: \underline{L}} \\ Date/Time: \underbrace{Date/Time: \underline{L}}_{Dade} \\ Date/Time: \underbrace{Date/Time: \underline{L}}_{Dade} \\ \end{array}$ |
|---------------------------------------|-------------------|---|--|---|--|-------------------------------|----------------------------|--------------------------------------|---|
| | | astructure xr. (858) 278-5300 | Date Ti | 1/21/13 05 | <u>11/21/13</u> os | | | | AW Wernet Date/T |
| | | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | SampleID | 03 C-B01-1A 112 113 | C-B01-1A 112113 | C-B03-2 | C-B03-2 | C-B03-2 | Sampler's Initials: ACA Relinquished By. MVM Relinquished By. |

オトレイントマ

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

To: AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 From:

Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115

| SampielD | Date | Time | Analyses | Bottle Size | Preservative | Bottle Count |
|--|----------|------------|---|---------------------------------|---------------------------------------|---------------------|
| ĉ-B03-2 | | | pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr III, Cr Vł, Fe, Pb, Hg, Ni, Ag, Zn), Dissolved (Xs, Cd, Gu,Gr III, CL VI, Pb, Hg, Ni, Ag, Zn), BOD, COD, ammonia, MBAS, | 0.5 Gallon Plastic | 4°C | |
| C-B03-2 | | | -TPH-(Jet fuel, diesel, motor oil) | | 4°C | |
| C-B05.4 | | | Oil & Grease | rt . Cle ar Glass | 4°C | |
| 04 c-B05-4 112113 11/2 | 11/21/13 | 0530 | PAHS | 1L Amber Glass | 4°C | 4-A 10/07 |
| • C-B054 1 21 33 | 11/21/13 | 0530 | PCB, Chlordane | 1L Amber Glass | 4°C | Particular Sciences |
| Sampler's Initials: <u>AC, A-W</u> Relinquished By: <u>Mm WernU</u> Relinquished By: | | Date/Time: | Date/Time: 11/21/13; 13:26 Received By: 754 Date/Time: | Date | Date/Time: 10200 (3526) Date/Time: | CX2 |

of

Page

ι

K IJUNO

| ENUICI F | | <i>To:</i> Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9115 Fax: (949) 348-9115 | Bottle Preservative Bottle Size Preservative Count | 0.5 Gallon 4°C Plastic | 1L Amber 4°C Glass | 1L-Clear Glass | 1L Amber 4°C | 1L Amber 4°C Glass | Date/Time: 1626-0526 Date/Time: |
|--|-------------------|---|---|--|---|-------------------|----------------------------------|---|---|
| <u>Analysis Request and Chain of Custody</u> | SAN DIEGO AIRPORT | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | SampleID Date Time Analyses | pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr III, Cr W, Fe, Pb, Hg, Ni, Ag, Zn), Dissolved (As, Cd, Cu,Cr III, Cr VI, Pb, Hg, Ni, Ag, Zn), BOD, COD, ammonia, MBAS, | O_{1} C-B054 11 2/13 11/21/13 O_{2} TPH (Jet fuel, diesel, motor oil) | C-B/6-5A | - C-BOG 5A-112-117 17 05-30 PAHS | C-BO6-5A112443 11/21/13 0530 PCB, Chlordane | Sampler's Initials: <u>AC, AW</u> Relinquished By: <u>ANNA UNA MA A</u> Date/Time: <u>II /21/13, 13:26</u> Received By: <u>Ket</u> Relinquished By: <u>Date/Time:</u> |

| II I SKORJ | | | To: Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 | Bottle Bottle Size Preservative Count | d. Cu.Cr. 1914°C3, 0&6 | 4, 64,61 [19] 4°C (As Cd [19] 4°C :0D, | 1L Amber 4°C Glass | 1L Amber 4°C Glass | Date/Time: <u>W-21-23 @ 73:25</u> Date/Time: |
|------------|---------------------------------------|-------------------|---|--|---|--|--------------------|--------------------|---|
| · · | Analysis Request and Chain of Custody | SAN DIEGO AIRPORT | | Analyses | pH. SC. TSS. total hardness. total (Al. As. Cd. III, CF-VI, FE, Pb, Hg, Mi, Ag, Zh), BOD, COB, | pH, SC, TSS, total hardness, total (<u>NI, As</u> , Cd, GerCt III, Cr VI, <u>Fe, Pb, Hg</u> , <u>Ni, Ag, Zn</u>), <u>Dissolved (As</u> , Cd, Cu, Cr III, Cr VI , Pb, Hg, NI, Ag, Zn), BOD, COD, | PAHs | PCB, Chlordane | (1/21/13) 13: 26 Received By: 554 Received By: 50 8 |
| | Anal | | 300 | Time | | | 0551 | 13 05 S | Date/Time: |
| | | | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhołd 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | Date | BI K | | 3 11/2 | 21 | AC, AU. Anner wernet |
| | | | <i>From:</i> AMEC Environment & Infr Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 F | SampleID | S-B- | S=B06-12 | 05 S-B06-12.112/12 | S-B06-12 11 21 13 | Sampler's Initials: <u>AC</u> Relinquished By: <u>AMMA</u> Relinquished By: |

| | | le, Suite , CA 92653 8-9389 115 | Bottle Count | 416ansa kwa | 2 | 2 3:26 |
|---------------------------------------|-------------------|---|-----------------------------|--|---|---|
| | | To: Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9115 Fax: (949) 348-9115 | Preservative | 4°C | 4°C | Date/Time: <u>i८-धन्त्रे त</u> ी:रे(Date/Time: |
| | | | Bottle Size | 1L Amber Glass | 40 mL Vial | |
| Analysis Request and Chain of Custody | SAN DIEGO AIRPORT | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | SampleID Date Time Analyses | S-B06-12 11 21 13 11/21/13 0551 Particle Size Distribution | S-B06-12 11 21 13 11/21 / 13 0551 Ethylene glycol | Sampler's Initials: <u>A.C., A.W.</u> Relinquished By: <u>AVNA, Wer ner</u> Date/Time: <u>II 21/13</u> 13.20 Received By: <u>Act</u> Relinquished By: |
| | | | | ξ. | Connerses Streemen | |

书3(1363

| | | | | f 1 1 | | | ,]. |
|--|--|---|---------------------------------|--|---|--|--|
| # 13 10X3 | , Suite 2A 92653 9389 15 | Bottle Count | | d | | *enamore | JIIC . |
| H S | <i>To:</i> Sierra Analytical 26052 Merti Círcle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 | Preservative 4°C | 4°C | 4°C | 4°C | 4°C | Date/Time: <u>१५-१८-४ (७) (उ१ ८८</u> Date/Time: |
| | To: Sier 260 7105 Pho Pho Fax | Bottle Size 1L Clear Glass | 1L Amber Glass | 0.5 Gallon Plastic | 1L Amber Glass | 1L Clear Glass | Date |
| <u>Analysis Request and Chain of Custody</u> | From: AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3500 Fax: (858) 278-5300 | SampleID Date Time Analyses Oil & Grease | 00, C-B07-6112112 1/13 0540 PCB | c-B07-6 $\frac{11}{2113}$ $\frac{11}{21}$ $\frac{11}{$ | c-B07-6_1/21130540TPH (Jet fuel, diesel, motor oil) | C-BOT 6 11 2 1 1 2 1 1 2 1 1 2 0 5 4 0 01 & Grease | Sampler's Initials: AC, A. M. M. Date/Time: 11/21/13,13:13:20 Received By: Ketinquished By: Received By: Received By: Refinquished By: Page 7 of 8 |

| # (21(3)) | <u>I Chain of Custody</u> | AIRPORT | To: Sierra Analytical Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 | Analyses Size Preservative Bottle Count | otor oil) 1L Amber 4°C Glass 4°C | PCB, Chlordane Lamberglass | Oil and Creeke leteergiass & bottle PAH contract lambergiass & bottle TPHCJetfueldiese lambergiass & bottle motor oil) | Received By: Second By: Date/Time: (Second By: Date/Time:) Date/Time: |
|-----------|--|-------------------|---|--|---|---------------------------------------|---|---|
| | <u>Analysis Request and Chain of Custody</u> | SAN DIEGO AIRPORT | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | SampleID Date Time | C-B 12-0A C-B1 2-0A | 22 C-B-01-1A-112113 DUP 11/21/13 0520 | E-B-01-1/A-112113 DUP 11/21/13 0520 C-B-01-1A-112113 DUP 11/21/13 0520 C-B-01-1A-112113 DUP 11/21/13 0520 | Sampler's Initials: AC, AW Relinquished By: $ADDA, We (ACC Date/Time: U/2I/13' 13'2U Received By: Relinquished By: Date/Time: Date/Time: Received By: Page 8 of 8$ |



18 December 2013

Amanda Archenhold AMEC 9177 Sky Park Court Suite A San Diego, CA 92123

RE:San Diego Airport (2013) Work Order No.: 1311271

Attached are the results of the analyses for samples received by the laboratory on 11/22/13 13:00.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

R. forsyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.

S I E R R R A ANALYTICAL

| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:52 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|----------------|----------------|
| S-B06-12-112213 | 1311271-01 | Liquid | 11/22/13 12:09 | 11/22/13 13:00 |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:52 |
| | | |

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|-----------------|--------------------|-----------|----------|---------|----------|----------------|-----------|-------|
| S-B06-12-112213 (1311271-01) Liquid | Sampled: 11/22/ | 13 12:09 | Received: | 11/22/13 | 13:00 | | | | |
| Biochemical Oxygen Demand | 2.40 | 2.00 | mg/L | 1 | B3K2722 | 11/22/13 | 11/27/13 17:45 | EPA 405.1 | |
| Chemical Oxygen Demand | 11.0 | 0.100 | 11 | n | н | н | 11/22/13 17:45 | EPA 410.4 | |
| Specific Conductance (EC) | 128 | 0.100 | µmhos/cm | н | н | 17 | н | EPA 120.1 | |
| Total Hardness | 41.6 | 0.400 | mg/L | n | łł | 17 | n | SM 2340 C | |
| Hexane Extractable Material (HEM) | ND | 2.00 | 11 | 8 | 11 | 11 | н | EPA 1664 | |
| pH | 6.86 | 0.100 | pH Units | 11 | ŧ | 11 | н | EPA 150.1 | |
| Total Suspended Solids | 4.00 | 1.00 | mg/L | н | · N | н | 11 | EPA 160.2 | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
|-----------------------------|------------------------------------|------------------|
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:52 |

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|----------------|--------------------|-----------|----------|---------|--------------|----------------|-----------|-------|
| S-B06-12-112213 (1311271-01) Liquid | Sampled: 11/22 | 2/13 12:09 | Received: | 11/22/13 | 13:00 | innedit et i | | | |
| Silver | ND | 1.5 | μg/L | 1 | B3K2518 | 11/25/13 | 11/25/13 19:52 | EPA 200.8 | |
| Aluminum | 240 | 25 | II. | н | 11 | 9 | н | II | |
| Arsenic | ND | 3.0 | 11 | п | H. | н | 17 | II. | |
| Cadmium | ND | 2.0 | н | н | 11 | н | n. | | |
| Chromium | ND | 3.0 | н | II. | 0 | Ĥ | 17 | n | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 11 | B3K2209 | 11/22/13 | 11/26/13 19:41 | EPA 218.6 | |
| Copper | 22 | 1.0 | μg/L | 11 | B3K2518 | 11/25/13 | 11/25/13 19:52 | EPA 200.8 | |
| Iron | 0.15 | 0.025 | mg/L | n | н | 11 | n. | н | |
| Mercury | ND | 0.00030 | 11 | н | B3K2521 | 11/25/13 | 11/25/13 18:36 | EPA 245,1 | |
| Nickel | ND | 5.0 | μg/L | н | B3K2518 | 11/25/13 | 11/25/13 19:52 | EPA 200.8 | |
| Lead | 7.3 | 1.0 | | н | н | " | 11 | 11 | |
| Zinc | 12 | 1.0 | U. | " | н | 'n | 11 | 11 | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur | nber: [no | n Diego Ai ne] 1anda Arche | • • |)13) | | Reported 12/18/13-1 | |
|--|---|-------------------------|-----------|----------------------------------|-------|----------|----------|-------------------------------|-------|
| | Metals (I | Dissolved) Sierra An | • | | | hods | , · | | |
| · | · · · • • • • • • • • • • • • • • • • • | Reporting | aryuca | 1 L'abs, 11 | it. | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |

| S-B06-12-112213 (1311271-01) Liquid | Sampled: 11/2 | 2/13 12:09 | Received: 1 | 1/22/13 | 13:00 | | | |
|-------------------------------------|---------------|------------|-------------|---------|---------|----------|----------------|-----------|
| Silver | ND | 1.5 | μg/L | 1 | B3K2519 | 11/25/13 | 11/25/13 19:59 | EPA 200.8 |
| Arsenic | ND | 3.0 | н | 8 | 11 | 11 | 11 | н |
| Cadmium | ND | 2.0 | н | u. | n - | И | 11 | н |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 11 | B3K2210 | 11/22/13 | 11/27/13 11:06 | EPA 218.6 |
| Copper | 16 | 1.0 | μg/L | 11 | B3K2519 | 11/25/13 | 11/25/13 19:59 | EPA 200.8 |
| Mercury | ND | 0.00073 | mg/L | п | B3K2520 | 11/25/13 | 11/25/13 18:35 | EPA 245.1 |
| Nickel | ND | 5.0 | μg/L | н | B3K2519 | 11/25/13 | 11/25/13 19:59 | EPA 200.8 |
| Lead | 6.9 | 2.0 | н | n | н | n. | 12/17/13 13:30 | н |
| Zinc | 7.6 | 1.0 | | 9 | 11 | 11 | 11/25/13 19:59 | н |

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [no | • | Airport (20 aenhold | 13) | | Reported 12/18/13 10 | |
|--|----------------|------------------------|-----------|------------|------------------------|----------|----------------|--------------------------------|-------|
| | | alent Chi Sierra Ar | | • | | | | | |
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| S-B06-12-112213 (1311271-01) Liquid | Sampled: 11/22 | /13 12:09 I | Received | : 11/22/13 | 13:00 | | | | |
| Trivalent Chromium | ND | 0.010 | mg/L | 1 | B3K2211 | 11/22/13 | 11/27/13 11:10 |) Calculation | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Reported: 12/18/13 10:52 | | | | | | |
|--|-----------------|------------------------------------|---------------------------------|---------|----------|---------------------------------------|---------------|-------|
| | | | by Calculatio ytical Labs, 1 | • | lved) | | | |
| Analyte | Result | Reporting Limit 1 | Jnits Dilution | Batch | Prepared | Analyzed | Method | Notes |
| S-B06-12-112213 (1311271-01) Liquid | Sampled: 11/22/ | 13 12:09 Rec | eived: 11/22/13 | 13:00 | | · · · · · · · · · · · · · · · · · · · | | • |
| Trivalent Chromium | ND | 0.010 r | ng/L 1 | B3K2212 | 11/22/13 | 11/27/13 11:0 | 9 Calculation | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nu | mber: [n | an Diego A one] manda Arche | | 013) | | Reported: 12/18/13 10:52 | | | |
|--|-----------|--------------------|----------|-----------------------------------|------------------|------------|----------------|------------------------------------|---------------------------------------|----------|--|
| | Metals by | EPA 200 S | eries M | ethods - Qu | uality C | ontrol | | | | | |
| | | Sierra Ai | nalytica | al Labs, Ir | ıc. | | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes | |
| Batch B3K2209 - EPA 200 Series | | | | | | | | | | | |
| Blank (B3K2209-BLK1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/26/13 | | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | 1 | | | | | | | |
| Blank (B3K2209-BLK2) | | | | Prepared: | 11/22/13 | Analyzed | : 11/26/13 | | | | |
| Hexavalent Chromium | ND | 0.0020 | mg/L | | | | | | · · · · | | |
| LCS (B3K2209-BS1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/26/13 | | | | |
| Hexavalent Chromium | 0.00270 | 0.0020 | mg/L | 0,00300 | | 90.0 | 85-115 | | | | |
| LCS (B3K2209-BS2) | | | | Prepared: | 11/22/13 | Analyzed | 11/26/13 | | | | |
| Hexavalent Chromium | 0.00297 | 0.0020 | mg/L | 0.00300 | | 99.0 | 85-115 | | | | |
| Matrix Spike (B3K2209-MS1) | So | ırce: 131126 | 3_01 | Prepared: | 11/22/13 | Analyzed | 11/26/13 | | | | |
| Hexavalent Chromium | 0.00284 | 0.0020 | mg/L | 0.00300 | ND - | 94.7 | 80-120 | | | | |
| Matrix Spike (B3K2209-MS2) | So | ırce: 131126 | U | Proporade | 11/22/12 | Analuzad | : 11/26/13 | | | | |
| Hexavalent Chromium | 0.00285 | 0.0020 | mg/L | 0.00300 | ND | 95.0 | 80-120 | | | | |
| | | | | | | | | | | | |
| Matrix Spike Dup (B3K2209-MSD1) | | irce: 131126 | | | | | : 11/26/13 | | | | |
| Hexavalent Chromium | 0.00259 | 0.0020 | ıng/L | 0.00300 | ND | 86.3 | 80-120 | 9.21 | 20 | | |
| Matrix Spike Dup (B3K2209-MSD2) | Sou | ırce: 131126 | 2-05 | Prepared: | 11/22/13 | Analyzed | : 11/26/13 | | | | |
| Hexavalent Chromium | 0.00285 | 0.0020 | mg/L | 0.00300 | ND | 95.0 | 80-120 | 0.00 | 20 | | |
| Batch B3K2518 - EPA 200 Series | | | | | | | | | | | |
| Blank (B3K2518-BLK1) | | | | Prepared & | & Analyz | ed: 11/25/ | 13 | | · · · · · · · · · · · · · · · · · · · | denin en | |
| Aluminum | ND | 25 | μg/L | | | | | | | | |
| Arsenic | ND | 3.0 | -11 | | | | | | | | |

| DIALIK (DSK2510-DLK1) | | | | Prepared & Analyzed: 11/25/15 |
|-----------------------|----|-------|----------------|-------------------------------|
| Aluminum | ND | 25 | μg/L | |
| Arsenic | ND | 3.0 | 11 | |
| Cadmium | ND | 2.0 | n [°] | |
| Chromium | ND | 3.0 | н | |
| Copper | ND | 1.0 | н | |
| lron | ND | 0.025 | mg/L | |
| Lead | ND | 1.0 | μg/L | |
| Nickel | ND | 5.0 | | |
| Silver | ND | 1.5 | л | |
| Zinc | ND | 1.0 | | |
| | | | | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Project Nur | nber: [no | n Diego A one] nanda Arch | |)13) | | | Reporte 12/18/13 | |
|--|--|--------------------|-----------|---------------------------------|------------------|------------|----------------|-------|---------------------|-------|
| | Metals by F | EPA 200 Se | ries Me | thods - Q | uality Co | ontrol | | | | |
| | | Sierra An | alytica | l Labs, Iı | nc. | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch B3K2518 - EPA 200 Series | | | | | | | · . | | | |
| LCS (B3K2518-BS1) | K2518-BS1) Prepared & Analyzed: 11/25/13 | | | | | | | | | |
| Aluminum | 107 | 25 | μg/L | 100 | | 107 | 85-115 | | | |
| Arsenic | 101 | 3.0 | n. | 100 | | 101 | 85-115 | | | |
| Cadmium | 104 | 2.0 | п | 100 | | 104 | 85-115 | | | |
| Chromium | 105 | 3.0 | н | 100 | | 105 | 85-115 | | | |
| Copper | 110 | 1.0 | II | 100 | | 110 | 85-115 | • | | |
| ron. | 0.104 | 0.025 | mg/L | 0.100 | | 104 | 85-115 | | | |
| Lead | 102 | 1.0 | μg/L | 100 | | 102 | 85-115 | | | |
| lickel | 93.4 | 5.0 | н | 100 | | 93.4 | 85-115 | | | |
| Silver | 102 | 1.5 | st. | 100 | | 102 | 85-115 | | | |
| Zinc | 113 | 1.0 | н | 100 | | 113 | 85-115 | | | |
| Matrix Spike (B3K2518-MS1) | Sou | rce: 131127 | 1-01 | Prepared | & Analyz | ed: 11/25/ | 13 | | | |
| Aluminum | 358 | 25 | µg/L | 100 | 240 | 118 | 70-130 | | | |
| Arsenic | 88.4 [.] | 3.0 | н | 100 | ND | 88.4 | 70-130 | | | |
| Cadmium | 103 | 2.0 | u | 100 | 0.50 | 102 | 70-130 | | | |
| Chromium | 104 | 3.0 | 11 | 100 | 1.3 | 103 | 75-130 | | | |
| Copper | 127 | 1.0 | u. | 100 | 22 | 105 | 70-130 | | | |
| ron | 0.253 | 0.025 | mg/L | 0.100 | 0.15 | 103 | 70-130 | | | |
| Lead | 80.7 | 1.0 | μg/L | 100 | 7.3 | 73.4 | 70-130 | | | |
| Nickel | . 103 | 5.0 | н | 100 | ND | 103 | 70-130 | | • | |
| Silver | 100 | 1.5 | н | 100 | ND | 100 | 70-130 | | | |
| Zinc | 117 | 1.0 | и | 100 | 12 | 105 | 70-130 | | | |
| Matrix Spike Dup (B3K2518-MSD1) | Sou | rce: 131127 | 1-01 | Prepared | & Analyz | ed: 11/25/ | '13 | | | |
| Aluminum | 362 | 25 | μg/L | 100 | 240 | 122 | 70-130 | 1.11 | 30 | |
| Arsenic | 84.0 | 3.0 | н | 100 | ND | 84.0 | 70-130 | 5.10 | 30 | |
| Cadmium | 104 | 2.0 | н | 100 | 0.50 | 104 | 70-130 | 0.966 | 30 | |
| Chroinium | 105 | 3.0 | U. | 100 | 1,3 | 104 | 75-130 | 0.957 | 30 | |
| Copper | 129 | 1.0 | 9 | 100 | 22 | 107 | 70-130 | 1.56 | 30 | |
| Iron | 0.255 | 0,025 | mg/L | 0.100 | 0.15 | 105 | 70-130 | 0.787 | 30 | |
| Lead | 87.4 | 1.0 | μg/L | 100 | 7.3 | 80,1 | 70-130 | 7.97 | 30 | |
| Nickel | 106 | 5.0 | н | 100 | ND | 106 | 70-130 | 2.87 | 30 | |
| | | | н. | 100 | MD | 104 | 70-130 | 3,92 | 30 | |
| Silver | 104 | 1.5 | | 100 | ND | 104 | /0-130 | 5,92 | 30 | |

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653 TELEPHONE: (949) 348-9389 Fax: (949) 348-9115 E-MAIL: SIERRALABS @ SIERRALABS.NET



Г

| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Reported: 12/18/13 10:52 | | | | | | | | |
|--|-------------|---------------------------------|-------|------------|-----------|------------|--------|------|--------------|-------|
| | Metals by] | EPA 200 Se Sierra An | | - | • | ontrol | | | | |
| | | Reporting | | Spike | Source | | %REC | | | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | RPD Limit | Notes |
| Batch B3K2521 - EPA 200 Series | | | | | | | | | | |
| Blank (B3K2521-BLK1) | | | | Prepared | & Analyze | xd: 11/25/ | 13 | | | |
| Mercury | ND | 0.00030 | mg/L | | | | | | | |
| LCS (B3K2521-BS1) | | | | Prepared a | & Analyze | d: 11/25/ | 13 | | | |
| Mercury | 0.00081 | 0.00030 | mg/L | 0.00100 | | 81.0 | 75-125 | | | |
| Matrix Spike (B3K2521-MS1) | Sou | irce: 131127 | 1-01 | Prepared a | & Analyze | d: 11/25/ | 13 | | | |
| Mercury | 0.00088 | 0.00030 | ıng/L | 0.00100 | ND | 88.0 | 75-125 | | | |
| Matrix Spike Dup (B3K2521-MSD1) | Sou | irce: 131127 | 1-01 | Prepared | & Analyze | ed: 11/25/ | 13 | | | |
| Mercury | 0.00092 | 0.00030 | ıng/L | 0.00100 | ND | 92.0 | 75-125 | 4,44 | 20 | |



| AMEC 9177 Sky Park Court Suite A San Diego CA, 92123 | | Reported: 12/18/13 10:52 | | | | | | | | |
|--|---------------|---------------------------------|--------|----------------|------------------|------------|------------------|------|---------------|-------|
| Met | als (Dissolve | d) by EPA (Sierra An | | | - | lity Cont | rol | | | |
| | | | | | | | | | RPD | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | Limit | Notes |
| Batch B3K2210 - EPA 200 Series | | | | | | | | | | |
| Blank (B3K2210-BLK1) | | | | Prepared: | 11/22/13 | Analyzed | : 11/27/13 | | | |
| -lexavalent Chromium | ND | 0.0020 | mg/L | | | | | | | |
| | | | - | D . 1 | 11/00/12 | 4.1.1 | 11/07/12 | | | |
| LCS (B3K2210-BS1) | 0.00000 | 0.0000 | | Prepared: | 11/22/13 | | | | · · · · · · · | |
| Hexavalent Chromium | 0.00298 | 0.0020 | ıng/L | 0.00300 | | 99.3 | 85-115 | | | |
| Matrix Spike (B3K2210-MS1) | So | urce: 131126. | 3-02 | Prepared: | 11/22/13 | Analyzed | 11/27/13 | | | |
| Hexavalent Chromium | 0.00300 | 0.0020 | mg/L | 0.00300 | ND | 100 | 80-120 | | | |
| Matrix Spike Dup (B3K2210-MSD1) | So | urce: 131126. | 3-02 | Prepared: | 11/22/13 | Analyzed | : 11/27/13 | | | |
| Hexavalent Chromium | 0.00300 | 0.0020 | mg/L | 0.00300 | ND | 100 | 80-120 | 0.00 | 20 | |
| Batch B3K2519 - EPA 200 Series Blank (B3K2519-BLK1) | | | | Prepared | & Analyz | ed: 11/25/ | 13 | | | |
| Arsenic | ND | 3.0 | μg/L | | | | | | | |
| Cadmium | ND | 2.0 | 11 | | | | | | | |
| Copper | ND | 1.0 | H H | | | | | | | |
| Lead | ND | 2.0 | · 11 | | | | | | | |
| Nickel | ND | 5.0 | H | | | | | | | |
| Silver | ND ND | 1.5 1.0 | | | | | | | | |
| Zinc | UPI | 1.0 | | | | | | | | |
| LCS (B3K2519-BS1) | | | | Prepared | & Analyz | ed: 11/25/ | 13 | | | |
| Arsenic | 109 | 3.0 | μg/L | 100 | | 109 | 85-115 | | | |
| Cadmium | 106 | 2.0 | H. | 100 | | 106 | 85-115 | | | |
| Copper | 110 | 1.0 | 9 | 100 | | 110 | 85-115 | | | |
| Lead | 113 | 2.0 | 11 | 100 | | 113 | 85-115 | | | |
| NT:-11 | 105 | 5.0 | н | 100 | | 105 | 85-115 | | | |
| Nickel | | | | | | | | | | |
| Nickei Silver Zinc | 106 102 | 1.5 I.0 | H H | 100 100 | | 106 102 | 85-115 85-115 | | | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:52 |

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

| Sierra Anal | ytical La | bs, Inc. |
|-------------|-----------|----------|
|-------------|-----------|----------|

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|----------|--------------------|------------|----------------|------------------|------------|----------------|-------|--------------|-------|
| Batch B3K2519 - EPA 200 Series | <u>,</u> | | | | | | | | | |
| Matrix Spike (B3K2519-MS1) | Sou | rce: 131127 | 1-01 | Prepared | & Analyze | ed: 11/25/ | 13 | | | |
| Arsenic | 79.1 | 3.0 | μg/L | 100 | ND | 79.1 | 70-130 | | | |
| Cadmium | 100 | 2.0 | 11 | 100 | ND | 100 | 70-130 | | | |
| Copper | 120 | 1.0 | н | 100 | 16 | 104 | 70-130 | | | |
| Lead | 110 | 2.0 | n | 100 | 6.9 | 103 | 70-130 | | | |
| Nickel | 100 | 5.0 | н | 100 | ND | 100 | 70-130 | | | |
| Silver | 102 | 1.5 | н | 100 | ND | 102 | 70-130 | | | |
| Zinc | 108 | 1.0 | 1 1 | 100 | 7.6 | 100 | 70-130 | | | |
| Matrix Spike Dup (B3K2519-MSD1) | Sou | Source: 1311271-01 | | | & Analyze | | | | | |
| Arsenic | 85.0 | 3.0 | μg/L | 100 | ND | 85.0 | 70-130 | 7.19 | 30 | |
| Cadmium | 102 | 2,0 | н | 100 | ND | 102 | 70-130 | 1.98 | 30 | |
| Copper | 120 | 1.0 | н. | 100 | 16 | 104 | 70-130 | 0.00 | 30 | |
| Lead | 89.2 | 2.0 | Й. | 100 | 6.9 | 82.3 | 70-130 | 20.9 | 30 | |
| Nickel | 104 | 5.0 | н | 100 | ND | 104 | 70-130 | 3.92 | 30 | |
| Silver | 103 | 1.5 | н | 100 | ND | 103 | 70-130 | 0.976 | 30 | |
| Zinc | 107 | 1.0 | н | 100 | 7.6 | 99.4 | 70-130 | 0.930 | 30 | |
| Batch B3K2520 - EPA 200 Series | | | | | | | | | | |
| Blank (B3K2520-BLK1) | | | | Prepared | & Analyze | ed: 11/25/ | 13 | | | |
| Mercury | ND | 0.00073 | mg/L | | | | | | | |
| LCS (B3K2520-BS1) | | | | Prepared | & Analyze | ed: 11/25/ | 13 | | | |
| Мегсигу | 0.00090 | 0.00073 | mg/L | 0.00100 | | 90.0 | 80-120 | | | |
| Matrix Spike (B3K2520-MS1) | Sou | rce: 131127 | 1-01 | Prepared | & Analyze | ed: 11/25/ | 13 | | | |
| Мегсшу | 0.00094 | 0.00073 | mg/L | 0.00100 | ND | 94.0 | 80-120 | | | |



٢

| AMECProject:San Diego Airport (2013)9177 Sky Park Court Suite AProject Number:[none]Reported:San Diego CA, 92123Project Manager:Amanda Archenhold12/18/13 10:52 | | | | | | | | | | |
|---|------------------|--------------------------|--|-------|--------|----------|------|--|-----|--|
| | Metals (Dissolve | d) by EPA (Sierra An | | | - | ity Cont | rol | | | |
| | •••• | Reporting | | Spike | Source | ···· · | %REC | | RPD | |

| Matrix Spike Dup (B3K2520-MSD1) Source: 1311271-01 | | | Prepared & Analyzed: 11/25/13 | | | | | • | | |
|--|---------|---------|-------------------------------|---------|----|------|--------|------|----|--|
| Mercury | 0.00093 | 0.00073 | mg/L | 0.00100 | ND | 93.0 | 80-120 | 1.07 | 20 | |



| AMEC | Project: San Diego Airport (2013) | |
|-----------------------------|------------------------------------|----------------|
| 9177 Sky Park Court Suite A | Project Number: [none] | Reported: |
| San Diego CA, 92123 | Project Manager: Amanda Archenhold | 12/18/13 10:52 |

Notes and Definitions

| DET | Analyte DETECTED |
|-------|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD ' | Relative Percent Difference |

| Analysis Request and Chain of Custody | SAN DIEGO AIRPORT | To: Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653 Phone: (949) 348-9389 Fax: (949) 348-9115 | Bottle Bottle Bottle Analyses Count | pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr 19L 12). III, Cr VI, Fe, Pb, Hg, Ni, Ag, Zn), BOD, COD, O&G | PH, SC, TSS, total hardness, total (AI, As, Cd, Cu,Cr III, Cr VI, Fe, Pb, Hg, Ni, Ag, Zn), Dissolved (As, Cd, Cu,Cr III, Cr VI, Pb, Hg, Ni, Ag, Zn), BOD, COD, 076 | PAHs 11 Amber 4°C Glass | PCB, Chlordane 1L Amber 4°C Glass | 24 3 1300 Received By MAN Date/Time: 1/27/13 1300 121/13 1500 Received By Date/Time: 1/27/13 1300 Page 1 of 1 Page 1 of 1 |
|---------------------------------------|-------------------|---|-------------------------------------|---|--|----------------------------|-----------------------------------|--|
| Analysis R | | <i>From:</i> AMEC Environment & Infrastructure Attn: Amanda Archenhold 9177 Sky Park Court San Diego, CA 92123 Phone: (858) 278-3600 Fax: (858) 278-5300 | SampleID Date Time A | | Ble S-BOG-12-212213 12 0 13 12 0 1 | S-B06-12 | S:B06-12P(| Sampler's Initials: <u>A.W. A.C. L.X</u> Relinquished By: <u>AMA U.U. M. Date/Time: 11/24/3</u> Relinquished By: <u>S. M. Date/Time: 11/27/3</u> |