San Diego County Regional Airport Authority

Fiscal Year 2013-2014 Industrial Stormwater Permit Annual Report

July 2014

San Diego County Regional Airport Authority

Fiscal Year 2013-2014 Industrial Stormwater Permit Annual Report

July 2014

CALIFORNIA
Water Boards

Edmund G. Brown Jr.
GOVERNOR

Matthew Rodriquez
SECRETARY FOR
ENVIRONMENTAL PROTECTION

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. Dischargers within the Los Angeles Regional Board 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 losangeles@waterboards.ca.gov, 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 stormwater@waterboards.ca.gov.

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

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 INFORMATION

A. Facility Information:

San Diego Int Airpor
3225 N Harbor Dr
San Diego, CA 92101
WDID NO: 9 37I018035

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

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

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

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

Additional Table D Parameters: BOD,COD,NH3

2013-2014

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?

   ☐ **YES** Go to Item D.2 ☒ **NO** Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.

   i. ☐ Participating in an Approved Group Monitoring Plan **Group Name:** _____

   _____

   ii. ☐ Submitted **No Exposure Certification (NEC)** Date Submitted: _____

   Re-evaluation Date: _____

   Does facility continue to satisfy NEC conditions? ☐ YES ☐ NO

   iii. ☐ Submitted **Sampling Reduction Certification (SRC)** Date Submitted: _____

   Re-evaluation Date: _____

   Does facility continue to satisfy SRC conditions? ☐ YES ☐ NO

   iv. ☐ Received Regional Board Certification Certification Date: _____

   v. ☐ Received Local Agency Certification Cetification Date: _____

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?

   ☐ **YES** Go to Section E ☐ **NO** Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? 3 If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)

   ☒ **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 many storm water discharge locations are at your facility? 15

4. For each storm event sampled, did you collect and analyze a sample from each of the facilitys' storm water discharge locations? ☐ YES, go to Item E.6 ☒ NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? ☒ YES ☐ NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated May 2014

6. Were all samples collected during the first hour of discharge? ☐ YES ☒ NO, **attach explanation**

7. Was all storm water sampling preceded by three (3) working days without a storm water discharge? ☒ YES ☐ NO, **attach explanation**

8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond) ☐ YES ☒ NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) ☐ YES ☐ NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? ☒ YES ☐ NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? ☒ 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 been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ 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**
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?

☒ **YES** ☐ **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** ☒ **N/A**

January-March ☒ **YES** ☐ **NO** ☐ **N/A** April-June ☐ **YES** ☐ **NO** ☒ **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 non-storm water discharges and their sources. **Attach an explanation for any "NO" answers**.

July -September ☒ **YES** ☐ **NO** October-December ☒ **YES** ☐ **NO**

January-March ☒ **YES** ☐ **NO** April-June ☒ **YES** ☐ **NO**

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

☒ **YES** ☐ **NO** Go to item F.2.d

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

☒ **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.
vi. **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.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all 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.

	YES	NO		YES	NO
October	X		February	X	
November		X	March		X
December	X		April	X	
January		X	May		X

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.
   d. **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.**

1. Have you inspected all potential pollutant sources and industrial activities areas? [X] YES [ ] NO
   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
   - 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

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? [X] YES [ ] NO

3. 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: [X] YES [ ] NO

   - 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.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation? [X] 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 clean-up/response activities
- quarterly unauthorized non-storm water discharge visual observations
- Sampling and Analysis records
- preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit? [X] 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 BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented? [X] YES [ ] NO

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. Has all material handling equipment and equipment needed to implement the SWPPP been inspected? [X] YES [ ] NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report 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 **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit? [X] YES [ ] NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 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 (Mandatory)		
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☒ YES	☐ 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	☒ 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. Manasjan Date: 6/24/14

Title: Director, Environmental Affairs Department

Attachment 1

Explanations and Discussion of Analytical Data

2013 – 2014
ANNUAL REPORT
SAN DIEGO INTERNATIONAL AIRPORT (SDIA)
ATTACHMENT #1
REQUIRED 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 exceedances are listed in the table below. The pollutants that exceeded the benchmarks 50% 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.

Table 1: Comparisons to Analyte Benchmarks, 2013-2014 Storm Water Season

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	970[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 mL)					
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 30-day 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

C-B06-5a
C-B12-9a
C-B08-8
C-B01-1a
C-B07-6
S-B06-12
C-B05-4
C-B07-7
C-B09-10b
Storm Filter
(S-B09-3)
C-B03-2

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

- Sample Location
- Storm Drain Line
- Terminal
- Airport Boundary

Storm Drain System and Sampling Locations
San Diego International Airport

0 250 500 1,000 1,500 2,000
Feet

N

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 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
- 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.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

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

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil and Grease MBAS - Methylene Blue Active Substances

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FIRST STORM EVENT

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- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Other Parameters (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 GLYCOL
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	33	111	1.85	
C-B07-6	10/29/2013 4:00	10/29/2013 2:20	940	<0.18	970	370	200	67	289	4.40	
C-B07-7	10/9/2013 17:03	10/9/2013 17:03	1700	<0.18	1800	760	560	130	424	12.2	
C-B08-8	10/9/2013 17:12	10/9/2013 17:03	190	<0.18	72	120	99	14	53	0.95	<4.7
C-B09-10b	10/9/2013 17:31	10/9/2013 17:03	920	<0.18	2500	120	85	196	560	5.00	
C-B12-9a	10/9/2013 17:09	10/9/2013 17:03	160	<0.18	210	49	33	16	31	2.40	
	TEST REPORTING UNITS:		µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
	TEST METHOD DETECTION LIMIT:		0.2	0.18	2.4	0.15	0.15	2	0.1	2.5	4.7
	TEST METHOD USED:		EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 405.1	EPA 410.4	SM 4500-NH3	EPA 8015B
	ANALYZED BY (SELF/LAB):		LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

BOD - Biological Oxygen Demand COD - Chemical Oxygen Demand

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FIRST STORM EVENT

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

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Additional Parameters (added prior to 2013-2014 wet season)									
			DISSOLVED 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 $CrIII_t$	DISSOLVED HEXAVALENT CHROMIUM $CrVI_d$	TOTAL HEXAVALENT CHROMIUM $CrVI_t$
C-B01-1a	10/29/2013 3:30	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-B03-2	10/9/2013 17:35	10/9/2013 17:03	<0.14	<0.14	<0.61	<0.61	<0.18	<0.18	3.1	8.0	<0.00027	<0.00027
C-B05-4	10/9/2013 17:45	10/9/2013 17:03	<0.14	<0.14	<0.61	<0.61	<0.18	<0.18	<0.0012	<0.0012	<0.00027	<0.00027
C-B06-5a	10/9/2013 17:10	10/9/2013 17:03	<0.14	<0.14	<0.61	<0.61	<0.18	<0.18	4.8	12	<0.00027	<0.00027
C-B07-6	10/29/2013 4:00	10/29/2013 2:20										
C-B07-7	10/9/2013 17:03	10/9/2013 17:03										
C-B08-8	10/9/2013 17:12	10/9/2013 17:03										
C-B09-10b	10/9/2013 17:31	10/9/2013 17:03										
C-B12-9a	10/9/2013 17:09	10/9/2013 17:03										
TEST REPORTING UNITS:			µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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 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
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

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

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

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Additional Parameters (added prior to 2013-2014 wet season) (Cont.)									
			DISSOLVED CHROMIUM Cr_d	TOTAL CHROMIUM Cr_t	DISSOLVED MERCURY Hg_d	TOTAL MERCURY Hg_t	DISSOLVED NICKEL Ni_d	TOTAL NICKEL Ni_t	DISSOLVED LEAD Pb_d	TOTAL COLIFORM	FECAL COLIFORM	*ENTEROCOCCUS*
C-B01-1a	10/29/2013 3:30	10/29/2013 2:20	<0.26	<0.26	<0.15	<0.02	<0.46	<0.46	<0.18			
C-B03-2	10/9/2013 17:35	10/9/2013 17:03	3.1	8.0	<0.15	<0.02	44	77	140			
C-B05-4	10/9/2013 17:45	10/9/2013 17:03	<0.26	<0.26	<0.15	<0.02	38	48.0	<0.18			
C-B06-5a	10/9/2013 17:10	10/9/2013 17:03	4.8	12	<0.15	<0.02	<0.46	<0.46	<0.18			
C-B07-6	10/29/2013 4:00	10/29/2013 2:20										
C-B07-7	10/9/2013 17:03	10/9/2013 17:03										
C-B08-8	10/9/2013 17:12	10/9/2013 17:03								270	40	110
C-B09-10b	10/9/2013 17:31	10/9/2013 17:03								60000	2400	2000
C-B12-9a	10/9/2013 17:09	10/9/2013 17:03										
	TEST REPORTING UNITS:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100ml	CFU/100ml	CFU/100ml
	TEST METHOD DETECTION LIMIT:		0.26	0.26	0.15	0.02	0.46	0.46	0.18	10/100	1	1
	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
	ANALYZED BY (SELF/LAB):		LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

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

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- 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.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event			
			Additional Parameters (added prior to 2013-2014 wet season) (Cont.)			
			POLYCHLORINATED BIPHENYLS (PCBs) (PCB-1016, -1221, -1232, -1242, -1248, -1254, and -1260)	POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)	ORGANOCHLORINE PESTICIDES	TOTAL HARDNESS
C-B01-1a	10/29/2013 3:30	10/29/2013 2:20	<0.4	<0.00119-0.0942	<0.002-0.5	26.6
C-B03-2	10/9/2013 17:35	10/9/2013 17:03	<0.4	<0.00119-0.0942	<0.002-0.5	343
C-B05-4	10/9/2013 17:45	10/9/2013 17:03				196
C-B06-5a	10/9/2013 17:10	10/9/2013 17:03	<0.4	<0.00119-0.0942	<0.002-0.5	60.0
C-B07-6	10/29/2013 4:00	10/29/2013 2:20	<0.4			68.0
C-B07-7	10/9/2013 17:03	10/9/2013 17:03	<0.4			97.0
C-B08-8	10/9/2013 17:12	10/9/2013 17:03	<0.4			127
C-B09-10b	10/9/2013 17:31	10/9/2013 17:03	<0.4			183
C-B12-9a	10/9/2013 17:09	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 USED:		EPA 608	EPA 8310	EPA 608	SM 2340 C
	ANALYZED BY (SELF/LAB):		LAB	LAB	LAB	LAB

PAHs (Acenaphthene, Acenaphthylene; Anthracene; Benzo (a) anthracene; Benzo (a) pyrene; Benzo (b) fluoranthene; Benzo (g,h,i) perylene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluorene; Indeno (1,2,3-cd) pyrene; Naphthalene; Phenanthrene; and Pyrene.)

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

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

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- 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.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B01-1a	11/21/2013 5:20	11/21/2013 5:06	7.05	<1	186	<2.0	<0.05	<0.05	<0.05	<0.05	0.085	46
C-B03-2	10/29/2013 3:55	10/29/2013 2:20	6.40	86.0	443	2.90	0.340	<0.05	0.17	0.25	0.30	730
C-B05-4	10/29/2013 3:45	10/29/2013 2:20	6.70	63.0	236	2.20	0.310	<0.05	<0.05	0.15	2.1	990
C-B06-5a	10/29/2013 4:30	10/29/2013 2:20	7.12	189	183	<2.0	0.280	<0.05	<0.05	<0.05	1.1	300
C-B07-6	11/21/2013 5:40	11/21/2013 5:06	6.65	26	257	<2.0	0.190	<0.05	<0.05	<0.05	3.3	700
C-B07-7	10/29/2013 2:55	10/29/2013 2:20	6.51	69.0	166	3.30	0.390	<0.05	<0.05	0.14	2.0	1000
C-B08-8	10/29/2013 2:40	10/29/2013 2:20	7.05	7.00	164	<2.0	<0.05	<0.05	<0.05	0.15	0.061	150
C-B09-10b	10/29/2013 3:00	10/29/2013 2:20	6.98	51.0	305	2.40	0.350	<0.05	<0.05	0.23	1.7	460
C-B12-9a	10/29/2013 3:10	10/29/2013 2:20	7.18	10.0	170	<2.0	<0.05	<0.05	<0.05	0.18	0.10	120
TEST REPORTING UNITS:			pH units	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L
TEST METHOD DETECTION LIMIT:			0.1	1	0.1	2.0	0.05	0.05	0.05	0.05	7.4	0.2
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 1664	EPA 425.1	EPA 8015B	EPA 8015B	EPA 8015B	EPA 200.8	EPA 200.8
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil and Grease MBAS - Methylene Blue Active Substances

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

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NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event								
			Other Parameters (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 GLYCOL
C-B01-1a	11/21/2013 5:20	11/21/2013 5:06	14	<0.18	90	4.7	4.0	2.10	12.0	0.320	
C-B03-2	10/29/2013 3:55	10/29/2013 2:20	590	120	3100	960	790	88.0	196	8.10	
C-B05-4	10/29/2013 3:45	10/29/2013 2:20	780	<0.18	2300	710	530	67.0	168	3.15	
C-B06-5a	10/29/2013 4:30	10/29/2013 2:20	210	12	1100	91	71	195	456	0.850	
C-B07-6	11/21/2013 5:40	11/21/2013 5:06	210	<0.18	180	190	43	21.8	195	3.45	
C-B07-7	10/29/2013 2:55	10/29/2013 2:20	780	<0.18	2000	310	220	71.8	184	4.45	
C-B08-8	10/29/2013 2:40	10/29/2013 2:20	94	<0.18	42	64	53	10.4	28.0	0.250	<4.7
C-B09-10b	10/29/2013 3:00	10/29/2013 2:20	360	<0.18	1400	68	50	53.0	280	2.40	
C-B12-9a	10/29/2013 3:10	10/29/2013 2:20	100	<0.18	78	30	21	12.4	77.0	0.400	
	TEST REPORTING UNITS:		µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
	TEST METHOD DETECTION LIMIT:		0.2	0.18	2.4	0.15	0.15	2	0.1	0.1	4.7
	TEST METHOD USED:		EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 200.8	EPA 405.1	EPA 410.4	SM 4500-NH3	EPA 8015B
	ANALYZED BY (SELF/LAB):		LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

BOD - Biological Oxygen Demand COD - Chemical Oxygen Demand

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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 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
- 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.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Additional Parameters (added prior to 2013-2014 wet season)									
			DISSOLVED 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 $CrIII_t$	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	<0.14	<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 REPORTING UNITS:			µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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 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
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

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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 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
- 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.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Additional Parameters (added prior to 2013-2014 wet season) (Cont.)									
			DISSOLVED CHROMIUM Cr_d	TOTAL CHROMIUM Cr_t	DISSOLVED MERCURY Hg_d	TOTAL MERCURY Hg_t	DISSOLVED NICKEL Ni_d	TOTAL NICKEL Ni_t	DISSOLVED LEAD Pb_d	TOTAL COLIFORM	FECAL 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			
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	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										
C-B08-8	10/29/2013 2:47	10/29/2013 2:20								6.0	<1	5
C-B09-10b	10/29/2013 3:06	10/29/2013 2:20								9000	50	9000
C-B12-9a	10/29/2013 3:10	10/29/2013 2:20										
	TEST REPORTING UNITS:		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	CFU/100ml	CFU/100ml	CFU/100ml
	TEST METHOD DETECTION LIMIT:		0.26	0.26	0.15	0.02	0.46	0.46	0.18	1/100	1	1/100
	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
	ANALYZED BY (SELF/LAB):		LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

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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 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
- 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.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet TITLE: AMEC, Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event			
			Additional Parameters (added prior to 2013-2014 wet season) (Cont.)			
			POLYCHLORINATED BIPHENYLS (PCBs) (PCB-1016, -1221, -1232, -1242, -1248, -1254, and -1260)	POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)	ORGANOCHLORINE PESTICIDES	TOTAL HARDNESS
C-B01-1a	11/21/2013 5:20	11/21/2013 5:06	<0.4	<0.00119-0.0942	<0.002-0.5	63.2
C-B03-2	10/29/2013 3:55	10/29/2013 2:20	<0.4	<0.00119-0.0942	<0.002-0.5	165
C-B05-4	10/29/2013 3:45	10/29/2013 2:20	<0.4	<0.00119-0.0942	<0.002-0.5	75.1
C-B06-5a	10/29/2013 4:30	10/29/2013 2:20	<0.4	<0.00119-0.0942	<0.002-0.5	43.4
C-B07-6	11/21/2013 5:40	11/21/2013 5:06	<0.4			76.0
C-B07-7	10/29/2013 2:55	10/29/2013 2:20	<0.4			52.0
C-B08-8	10/29/2013 2:40	10/29/2013 2:20	<0.4			58.2
C-B09-10b	10/29/2013 3:00	10/29/2013 2:20	<0.4			64.0
C-B12-9a	10/29/2013 3:10	10/29/2013 2:20	<0.4			53.8
	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

PAHs (Acenaphthene, Acenaphthylene; Anthracene; Benzo (a) anthracene; Benzo (a) pyrene; Benzo (b) fluoranthene; Benzo (g,h,i) perylene; Benzo (k) fluoranthene; Chrysene; Dibenzo(a,h)anthracene; Fluoranthene; Fluorene; Indeno (1,2,3-cd) pyrene; Naphthalene; Phenanthrene; and Pyrene.)

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

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SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED 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.

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

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SIDE B

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD EXAMPLE: Air conditioner Units on Building C	NAME OF AUTHORIZED NSWD EXAMPLE: Air conditioner condensate	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.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
			At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
3/19/2014 12:30 ☐ AM ☒ PM	ARFF Fire Fighting Equipment	Fire Fighting Discharge (training)	clear, odorless	clear, odorless	None
_____ ____ ☐ AM ☐ PM					
_____ ____ ☐ AM ☐ PM					
_____ ____ ☐ AM ☐ PM					
_____ ____ ☐ AM ☐ PM					

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ANNUAL REPORT

SIDE A

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 Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- 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 copies of this form as necessary.

QUARTER: **JULY-SEPT.** **DATE OF OBSERVATIONS** 9/18-19/2013	**Observers Name:** Anna Wernet **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** YES ■ NO ☐ **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** YES ☐ NO ■	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE OF OBSERVATIONS** 12/ 3-5/2013	**Observers Name:** Anna Wernet **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** YES ■ NO ☐ **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** YES ☐ NO ■	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE OF OBSERVATIONS** 3/17-24/2014	**Observers Name:** Claire Johnson **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** YES ■ NO ☐ **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** YES ☐ NO ■	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE OF OBSERVATIONS** 5/19- 30/2014	**Observers Name:** Anna Wernet **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** YES ■ NO ☐ **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** YES ☐ NO ■	If **YES** to either question, complete reverse side.

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

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.**
09/18/13 9:08 ■ 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.
09/18/13 9:08 ■ 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.
09/18/13 9:29 ■ 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.
09/18/13 9:29 ■ 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 UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

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.**
09/18/13 9:37 ■ 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.
09/18/13 9:37 ■ 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.
09/18/13 9:37 ■ 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.
09/18/13 9:44 ■ 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 UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

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.**
09/18/13 9:44 ■ AM ☐ PM	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.
09/18/13 9:44 ■ AM ☐ PM	Improper storage	Allied – Storage Area	Equipment stored outdoors without proper cover.	Confirmation of issue(s) resolution received 10/04/13. Email was sent to Allied. Tenant covered equipment that was still operational and has planned to remove non-operational equipment.
09/18/13 9:54 ■ AM ☐ PM	Fuel spill	ASIG – Other	Spilled Jet-A fuel observed adjacent to vehicle.	Confirmation of issue(s) resolution received 10/22/13. Email was sent to ASIG. Leaking vehicle repaired. Tenant briefed mechanics to place drip pans.
09/18/13 9:54 ■ AM ☐ PM	Oil spill	ASIG – Maintenance	Spilled oil observed from vehicle in maintenance yard.	Confirmation of issue(s) resolution received 10/22/13. Email was sent to ASIG. Tenant briefed mechanics on proper procedure.

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

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.**
09/18/13 9:54 ■ 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.
09/18/13 9:54 ■ 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.
09/18/13 10:55 ■ 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.

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

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.**
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.
09/18/13 10:56 ■ AM ☐ PM	Trash	Flagship – Terminal 1	Uncovered dumpster observed at Gate 5.	Confirmation of issue(s) resolution received 09/18/13. Issue was resolved on site. Inspector observed Flagship personnel closing dumpster.
09/18/13 10:56 ■ AM ☐ PM	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. Email was sent to Flagship. Flagship will continue monitoring and cleaning area as necessary.
09/18/13 11:06 ■ AM ☐ PM	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. Email was sent to Flagship. Flagship will continue monitoring and cleaning area as necessary.

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

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.**
09/18/13 1:11 ☐ AM ■ PM	Oil stain	Alaska Airlines – Gate	Fresh oil spots were observed.	Confirmation of issue(s) resolution received 10/08/13. Email was sent to Alaska. Tenant reviewed cleanup requirements and inspected equipment for leaks.
09/18/13 1:39 ☐ AM ■ PM	Oil stain	Japan Airlines – Gate	Fresh hydraulic oil was observed at Gate 20.	Confirmation of issue(s) resolution received 10/04/13. Email was sent to JAL. Tenant advised vendors of procedure.
09/18/13 2:00 ☐ AM ■ PM	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. Email was sent to HMS Host. Unused equipment was removed and area was cleaned.
09/18/13 2:03 ☐ AM ■ PM	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. Email was sent to Frontier. Leak was identified and repaired. Spill was cleaned.

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

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.**
09/18/13 2:16 ☐ AM ■ PM	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.
09/18/13 2:16 ☐ AM ■ PM	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.
09/19/13 8:29 ■ 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.
09/19/13 8:29 ■ 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.

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

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.**
09/19/13 8:29 ■ 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.
09/19/13 8:29 ■ 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.
09/19/13 8:29 ■ 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.
09/19/13 8:58 ■ 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.

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09/19/13 9:16 ■ 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.
09/19/13 9:16 ■ 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.
09/19/13 9:29 ■ AM ☐ PM	Sediment	SDCRAA – North Ramp	Sediment dumpster was observed uncovered.	Confirmation of issue(s) resolution received 10/23/13. Dumpster was covered.
09/19/13 9:29 ■ 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.

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09/19/13 9:29 ■ AM ☐ PM	Trash	SDCRAA – Other (Triturator)	Accumulated trash was observed at the Triturator.	Confirmation of issue(s) resolution received 10/23/13. Area was cleaned.
09/19/13 9:29 ■ AM ☐ PM	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. The BMP was repaired/replaced.
09/19/13 9:29 ■ AM ☐ PM	Trash	SDCRAA – Storage Area	Accumulated trash, debris, and absorbant observed throughout Generator Area.	Confirmation of issue(s) resolution received 10/23/13. A workorder was submitted and the area was cleaned.
09/19/13 10:15 ■ AM ☐ PM	Oil stain	UPS – North Ramp	Oil and gasoline residue observed adjacent to equipment.	Confirmation of issue(s) resolution received 10/04/13. The areas were pressure washed and scrubbed according to the approved Wash Plan.

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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.**
09/19/13 10:24 ■ AM ☐ PM	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.
09/19/13 10:24 ■ 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.
09/19/13 10:38 ■ 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.
09/19/13 12:45 ☐ AM ■ PM	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.

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12/03/13 1:00 ☐ AM ■ PM	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.
12/03/13 1:00 ☐ AM ■ PM	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.
12/03/13 1:00 ☐ AM ■ PM	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.
12/03/13 1:25 ☐ AM ■ PM	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.

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12/03/13 1:25 ☐ AM ■ PM	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.
12/03/13 1:25 ☐ AM ■ PM	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.
12/03/13 1:55 ☐ AM ■ PM	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.
12/03/13 1:55 ☐ AM ■ PM	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.

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12/03/13 2:15 ☐ AM ■ PM	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 the area was cleaned.
12/03/13 2:15 ☐ AM ■ PM	Improper storage	SDCRAA – Other (Bone Yard)	Unused electronics observed to be uncovered and stored on ground.	Confirmation of issue(s) resolution received 01/22/14. A work order was submitted and items were raised off ground and covered.
12/03/13 2:15 ☐ AM ■ PM	Trash	SDCRAA – Other (Bone Yard)	Uncovered wastes observed.	Confirmation of issue(s) resolution received 01/22/14. A work order was submitted and the area was cleaned.
12/03/13 2:15 ☐ AM ■ PM	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. A work order was submitted and the area was swept.

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12/03/13 2:15 ☐ AM ■ PM	Improper storage	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.
12/03/13 2:15 ☐ 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.
12/03/13 2:15 ☐ AM ■ PM	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.
12/03/13 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.

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12/03/13 2:15 ☐ AM ■ PM	Sediment	SDCRAA – 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.
12/03/13 2:15 ☐ 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.
12/03/13 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.
12/03/13 2:34 ☐ AM ■ PM	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.

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12/03/13 2:34 ☐ AM ■ PM	Trash	UPS – North Ramp	Trash can was overfilled.	Confirmation of issue(s) resolution received on 12/11/13. 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 2:45 ☐ AM ■ PM	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. Email was sent to DHL. DHL stated equipment was new and not leaking. New pan placed under old pan.
12/03/13 2:45 ☐ AM ■ PM	Improper storage	DHL – North Ramp	Unknown waste stored behind DHL offices.	Confirmation of issue(s) resolution received 12/11/13. Email was sent to DHL. DHL stated the material was new absorbent for spill cleanup. Material was properly labeled.

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12/03/13 2:45 ☐ AM ■ PM	Oil spill	DHL – North Ramp	Leaking equipment observed.	Confirmation of issue(s) resolution received 01/11/14. Email was sent to DHL. Leaking equipment was found and fixed.
12/03/13 2:56 ☐ AM ■ PM	Oil spill	Landmark Aviation – Maintenance	Multiple pieces of equipment near maintenance shop leaking.	Confirmation of issue(s) resolution received 01/14/14. Email was sent to Landmark. Leaking equipment was fixed or replaced.
12/03/13 2:56 ☐ AM ■ PM	Oil spill	Landmark Aviation – North Ramp	Multiple fuel trucks were observed to be leaking.	Confirmation of issue(s) resolution received 01/14/14. Email was sent to Landmark. Drip pans utilized under leaking vehicles. One vehicle replaced.
12/03/13 2:56 ☐ AM ■ PM	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. Email was sent to Landmark. Materials were removed and area cleaned up.

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12/03/13 2:56 ☐ AM ■ PM	Impounded stormwater/ Improper storage	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.
12/03/13 2:56 ☐ AM ■ PM	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.
12/03/13 4:16 ☐ AM ■ PM	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.
12/03/13 4:16 ☐ AM ■ PM	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.

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12/03/13 4:16 ☐ AM ■ PM	Trash	Southwest Airlines – Gate	FOD was observed adjacent to the gate.	Confirmation of issue(s) resolution received on 01/16/14. Email was sent to Southwest Airlines. The area was cleaned.
12/03/13 4:16 ☐ AM ■ PM	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. Email was sent to Southwest Airlines. The box was removed.
12/04/13 8:05 ■ AM ☐ PM	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. Email was sent to Flagship. Area continues to be cleaned.
12/04/13 8:05 ■ AM ☐ PM	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. Email was sent to Flagship. Employees are continually trained to pick up trash overflowing from trash bins.

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12/04/13 8:05 ■ AM ☐ PM	Trash	Flagship – Terminal 1 General	Dumpster was observed uncovered.	Confirmation of issue(s) resolution received 01/14/14. Email was sent to Flagship. Employees are continually trained to close all dumpsters.
12/04/13 8:05 ■ AM ☐ PM	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. Email was sent to Flagship. Cleaning of this area is ongoing.
12/04/13 8:05 ■ AM ☐ PM	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. Email was sent to Flagship. The area was cleaned and continues to be monitored.
12/04/13 9:09 ■ AM ☐ PM	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. Email was sent to Alaska Airlines. Area was cleaned and employees reminded to empty container on regular basis.

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12/04/13 9:09 ■ AM ☐ PM	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. Email was sent to Alaska Airlines. Area was cleaned.
12/04/13 10:01 ■ AM ☐ PM	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. Email was sent to American Airlines. The area was cleaned and belt removed from service for repair.
12/04/13 10:01 ■ AM ☐ PM	Trash	American Airlines – Gate	FOD was observed adjacent to gate 23.	Confirmation of issue(s) resolution received on 12/16/13. Email was sent to American Airlines. The FOD was removed.
12/04/13 10:13 ■ AM ☐ PM	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. Email was sent to HMS Host. The dumpster does not belong to HMS Host, but the area was cleaned.

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12/04/13 10:24 ■ AM ☐ PM	Trash	US Airways – Gate	FOD container and dumpster observed to be uncovered.	Confirmation of issue(s) resolution received on 04/11/14. Email was sent to US Airways. FOD container and dumpster were covered.
12/04/13 10:24 ■ AM ☐ PM	Trash	US Airways – Gate	Dumpster observed to be uncovered.	Confirmation of issue(s) resolution received 04/11/14. Email was sent to US Airways. Dumpster was covered.
12/04/13 10:24 ■ AM ☐ PM	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. Email was sent to US Airways. Cargo staff were advised and area was cleaned.
12/05/13 7:47 ■ AM ☐ PM	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. Email was sent to ASIG. ASIG employee coached on spill behavior. Area was cleaned.

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

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.**
12/05/13 7:47 ■ 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.
12/05/13 9:23 ■ 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.
12/05/13 9:23 ■ 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.
12/05/13 9:23 ■ 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.

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12/5/13 10:08 ■ 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.
12/5/13 10:23 ■ AM ☐ PM	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.
12/5/13 10:23 ■ 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.
12/5/13 10:23 ■ 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.

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12/5/13 1:07 ☐ 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.
12/5/13 2:10 ☐ AM ■ PM	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.
12/5/13 2:10 ☐ 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.

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03/17/14 1:51 ☐ AM ■ PM	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.
03/17/14 1:51 ☐ AM ■ PM	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.
03/17/14 1:51 ☐ 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.

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03/17/14 1:51 ☐ AM ■ PM	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.
03/17/14 2:01 ☐ AM ■ PM	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.

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03/17/14 2:01 ☐ AM ■ PM	Water source	SDCRAA – 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.

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03/17/14 2:01 ☐ 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.
03/17/14 2:01 ☐ AM ■ PM	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.

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03/17/14 2:01 ☐ AM ■ PM	Trash	SDCRAA – Airside Other	Trash can in generator area does not have lid.	Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the trash was covered.
03/17/14 2:01 ☐ AM ■ PM	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. A work order was submitted and the gas cans were stored.
03/17/14 2:01 ☐ AM ■ PM	Trash	SDCRAA – Airside Other	Trash can in triturator area is uncovered.	Confirmation of issue(s) resolution received 05/23/14. A work order was submitted and the trash was covered.
03/17/14 2:01 ☐ AM ■ PM	Trash	SDCRAA – Airside Other	Trash on floor and sink in triturator area.	Confirmation of issue(s) resolution received 04/09/14. A work order was submitted and the area was cleaned by Ocean Blue.

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03/17/14 2:01 ☐ AM ■ PM	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. A work order was submitted and the area was cleaned by Ocean Blue.
03/17/14 2:01 ☐ AM ■ PM	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. A work order was submitted and Ocean Blue cleaned the area and replaced the filter and gravel bags.
03/17/14 2:01 ☐ AM ■ PM	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. A work order was submitted and the area was cleaned.
03/17/14 2:01 ☐ AM ■ PM	Sediment	SDCRAA – Parking Lot	Sediment accumulation at entrance to west wing parking lot.	Confirmation of issue(s) resolution received 04/07/14. A work order was submitted and sweeping was completed.

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03/17/14 2:04 ☐ AM ■ PM	Sediment	Allied Aviation – Airside	Accumulated sediment was observed in satellite fueling area.	Confirmation of issue(s) resolution received on 4/11/14. Email was sent to Allied. Operators instructed on importance of clean area.
03/17/14 2:04 ☐ AM ■ PM	Trash	Allied Aviation – Airside	Uncovered FOD containers were observed in satellite fueling area.	Confirmation of issue(s) resolution received on 4/11/14. Email was sent to Allied. FOD containers to be replaced by end of year. ASIG reminded to cover.
03/17/14 2:04 ☐ AM ■ PM	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. Email was sent to Allied. Materials were moved or covered.
03/17/14 2:04 ☐ AM ■ PM	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. Email was sent to Allied. One container was a spillkit. Other container moved under cover.

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03/17/14 2:04 ☐ AM ■ PM	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. Email was sent to Allied. Storm water was removed and disposed of correctly.
03/17/14 2:04 ☐ AM ■ PM	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. Email was sent to Allied. Sediment was removed.
03/17/14 2:15 ☐ AM ■ PM	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. Email was sent to Delta Airlines. Area was cleaned and tug removed for repairs.
03/17/14 2:15 ☐ AM ■ PM	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. Email was sent to Delta Airlines. Tug was removed for repairs and employees briefed to properly dispose of trash.

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03/17/14 2:15 ☐ AM ■ PM	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. Trash can and lid were replaced
03/17/14 2:15 ☐ AM ■ PM	Oil spill/absorbent	Delta Airlines – Cargo Building	Used absorbent material observed under Delta vehicle.	Confirmation of issue(s) resolution received on 3/28/14. Email was sent to Delta Airlines. Absorbent was cleaned and drip pan placed under vehicles.
03/17/14 2:20 ☐ AM ■ PM	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. Email was sent to Flagship. Area was cleaned, although bags in question belong to airlines. Flagship will monitor for improper disposal.
03/17/14 2:20 ☐ AM ■ PM	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. Email was sent to Flagship. This is an ongoing issue and trashcans are monitored regularly

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03/17/14 2:20 ☐ AM ■ PM	Animal Waste	Flagship – Terminal 2 General	Animal waste observed in animal relief area in Terminal 2.	Confirmation of issue(s) resolution received on 4/3/14. Email was sent to Flagship. This is an ongoing issue. Flagship monitors area regularly, and bags are provided for passenger use.
03/17/14 2:20 ☐ AM ■ PM	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. Email was sent to Flagship. Flagship reports overflowing dumpsters to Republic for disposal.
03/17/14 2:21 ☐ AM ■ PM	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. Email was sent to Southwest Airlines. Ramp Supervisors will ensure all trash cans are emptied daily.
03/17/14 2:21 ☐ AM ■ PM	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. Email was sent to Southwest Airlines. Lavatory truck cleaned and stowed.

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03/17/14 2:21 ☐ AM ■ PM	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 Airlines. Area has been cleaned.
03/17/14 2:21 ☐ AM ■ PM	Oil spill	Southwest Airlines – Cargo Building	Vehicles for Southwest subtenant Executive Air parked near cargo area observed to be leaking fluids.	Confirmation of issue(s) resolution received on 06/19/14. Email was sent to Southwest Airlines. Recent inspections show no indication of leaking equipment.
03/17/14 2:21 ☐ AM ■ PM	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. Email was sent to Southwest. Secondary containment was ordered for all deicing fluid.
03/17/14 2:21 ☐ AM ■ PM	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. Email was sent to Southwest Airlines. Cargo leader advised of expectation in area. Recent inspections show the area is clean.

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03/17/14 3:19 ☐ AM ■ PM	Lavatory fluid	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.
03/17/14 3:23 ☐ AM ■ PM	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.
03/17/14 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.

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03/17/14 3:23 ☐ AM ■ PM	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. Email was sent to American Airlines. A bolt on the vehicle was tightened and leak repaired.
03/18/14 9:36 ■ AM ☐ PM	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. Email was sent to ASIG. The fueling nozzle was replaced and spills cleaned.
03/18/14 9:36 ■ AM ☐ PM	Trash	ASIG – Fueling Area	Trash can observed to be uncovered.	Confirmation of issue(s) resolution received on 06/27/14. Email was sent to ASIG. All waste containers covered or moved indoors.
03/18/14 9:36 ■ AM ☐ PM	Oil spill	ASIG – Fueling Area	Fresh oil stains observed in ASIG parking area.	Confirmation of issue(s) resolution received on 06/27/14. Email was sent to ASIG. Leak found in truck steering column. Leak fixed and stains cleaned.

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

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.**
03/18/14 10:33 ■ 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.
03/18/14 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.

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03/18/14 11:00 ■ 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.

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03/18/14 11:38 ■ 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.
03/18/14 11:38 ■ 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.

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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.
03/18/14 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.

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03/18/14 1:00 ☐ AM ■ PM	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.
03/19/14 10:32 ■ 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.

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03/19/14 10:32 ■ 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.
03/19/14 12:30 ☐ AM ■ PM	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.

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03/24/14 12:00 ☐ AM ■ PM	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. Email was sent to Landmark. Containment (larger, sealing drum) provided.
03/24/14 12:00 ☐ AM ■ PM	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. Email was sent to Landmark. Absorbent disposed of and waste container placed under cover.
03/24/14 12:00 ☐ AM ■ PM	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. Email was sent to Landmark. Area is swept weekly.
03/24/14 12:00 ☐ AM ■ PM	Oil spill	Landmark Aviation – North Ramp	Oil/fluid leaks observed from multiple vehicles.	Confirmation of issue(s) resolution received on 06/17/14. Email was sent to Landmark. Vehicle was removed from service and drip pans placed under trucks.

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03/24/14 1:15 ☐ 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.
03/24/14 1:15 ☐ AM ■ PM	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 1:30 ☐ AM ■ PM	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.

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03/24/14 1:30 ☐ AM ■ PM	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. Email was sent to FedEx. The area has been cleared of stored materials.
03/24/14 1:50 ☐ AM ■ PM	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. Email was sent to UPS. The spills were cleaned with dry methods and drip pans were used under the leaking vehicles.
03/24/14 2:10 ☐ AM ■ PM	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. Email was sent to DHL. The area was cleaned and a pan placed under the leaking maintenance truck.
03/24/14 2:30 ☐ AM ■ PM	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. Email was sent to ACE. Dumpster areas cleaned and debris removed.

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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 removed.
03/24/14 2:30 ☐ AM ■ PM	Oil stain	ACE – Parking Lot	Large oil spotting observed in east end of Terminal 1 parking lot.	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.

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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.

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05/19/14 11:50 ■ 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.
05/19/14 12:23 ☐ AM ■ PM	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.
05/20/14 9:33 ■ 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.

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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.
05/20/14 12:31 ☐ AM ■ PM	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.

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05/20/14 2:38 ☐ AM ■ PM	Trash/sediment	Southwest Airlines – Gate	Accumulated trash and debris was observed in the area.	Confirmation of issue(s) resolution received on 05/20/14. Issue resolved on site. Southwest representative instructed crew members to address immediately.
05/20/14 3:37 ☐ AM ■ PM	Trash	Alaska Airlines – Gate	Trash container was observed without a cover.	Confirmation of issue(s) resolution received on 06/10/14. Email was sent to Alaska. Tenant reviewed requirements with ramp vendor to ensure all trash containers have lids.
05/20/14 3:37 ☐ AM ■ PM	Sediment	Alaska Airlines – Terminal 2	Sediment observed adjacent to luggage area in T2.	Confirmation of issue(s) resolution received on 06/10/14. Email was sent to Alaska. Tenant reviewed requirements with vendor to ensure area is cleaned nightly.
05/21/14 9:16 ■ AM ☐ PM	Oil stain	Delta Airlines – Gate	Hydraulic oil spots were observed on the ramp.	Confirmation of issue(s) resolution received on 06/04/14. Email was sent to Delta. The leadership team was briefed on importance of cleaning spills.

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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.
05/21/14 9:16 ■ 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.

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

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.**
05/22/14 7:30 ■ AM ☐ PM	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 was re-inspected on 06/27/14 and equipment had been covered.
05/22/14 8:46 ■ AM ☐ PM	Improper storage	ARFF – ARFF Station	Foam material was observed to be stored outside without proper cover or secondary containment.	Confirmation of issue(s) resolution received on 06/20/14. Email was sent to ARFF. Drums were in active use for monthly foam testing.
05/22/14 8:46 ■ AM ☐ PM	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. Email was sent to ARFF. Area was cleaned.
05/22/14 8:46 ■ AM ☐ PM	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. Email was sent to ARFF. Area was cleaned per email from Ocean Blue.

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

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.**
05/22/14 9:30 ■ AM ☐ PM	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. Email was sent to Landmark. Leak originated from seal in meter and was repaired.
05/22/14 9:30 ■ AM ☐ PM	Sediment	Landmark Aviation – North Ramp	Accumulated sediment was observed adjacent to maintenance shop.	Confirmation of issue(s) resolution received on 06/10/14. Email was sent to Landmark. Area is cleaned weekly.
05/22/14 9:30 ■ AM ☐ PM	Oil stain	Landmark Aviation – North Ramp	Spilled oil has absorbed into the asphalt.	Confirmation of issue(s) resolution received on 06/10/14 Email was sent to Landmark. Area was cleaned and spill clean up procedures reviewed.
05/22/14 11:30 ■ AM ☐ PM	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. Email was sent to DHL. All equipment was moved and the area cleaned.

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

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.**
05/22/14 11:30 ■ 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.
05/23/14 11:29 ■ 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 ■ AM ☐ 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.

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

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.**
05/23/14 1:00 ☐ AM ■ PM	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.

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

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.**
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.

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

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.**
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 ☐ PM	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.

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

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.**
05/29/14 8:00 ■ AM ☐ PM	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.

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

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.**
05/30/14 8:14 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 8:14 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 8:14 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.

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

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.**
05/30/14 8:16 ■ AM ☐ PM	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. The issue was resolved on site. Representative contacted staff to clean area immediately.
05/30/14 8:16 ■ AM ☐ PM	Improper storage	United Airlines – Cargo Building	Propane gas can and cage was stored incorrectly.	Confirmation of issue(s) resolution received on 5/30/14. The issue was resolved on site. Issue was communicated to staff, who began corrective action.
05/30/14 8:16 ■ AM ☐ PM	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 disposal was not indicated.	Confirmation of issue(s) resolution received on 06/27/14. Email was sent to United. United contacted a metals recycler to coordinate pick up of old equipment. Pick up is pending.
05/30/14 8:16 ■ AM ☐ PM	Trash/sediment	United Airlines – Cargo Building	Accumulated sediment, trash, and debris was observed.	Confirmation of issue(s) resolution received on 06/27/14. Email was sent to United. United agreed to sweep after materials were picked up by metals recycler.

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

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.**
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.

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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.

Observation Date: October 9, 2013

Observer's Name: Lijun Xu, Anna Wernet, & Mariamawit Yirsalign

Title: AMEC Consultant

Signature:

Time Discharge Began: 10/09/13 5:03 PM

Observation Time: 5:03 PM – 6:02 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	5:25 P.M.	☐ YES ■ NO
C-B03-2	5:35 P.M.	■ YES ☐ NO
C-B05-4	5:45 P.M	☐ YES ■ NO
*C-B06-5a	5:10 P.M.	☐ YES ■ NO
C-B07-6	6:02 P.M.	■ YES ☐ NO
C-B07-7	5:03 P.M.	■ YES ☐ NO
C-B08-8	5:12 P.M.	☐ YES ■ NO
*C-B12-9a	5:18 P.M.	■ YES ☐ NO
*C-B09-10b	5:31 P.M.	■ YES ☐ NO

Observation Date: November , 2013

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: RGILB FOR A MARTIN

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	: A.M./P.M.	☐ YES ☐ NO
C-B03-2	: A.M./P.M.	☐ YES ☐ NO
C-B05-4	: A.M./P.M.	☐ YES ☐ NO
*C-B06-5a	: A.M./P.M.	☐ YES ☐ NO
C-B07-6	: A.M./P.M.	☐ YES ☐ NO
C-B07-7	: A.M./P.M.	☐ YES ☐ NO
C-B08-8	: A.M./P.M.	☐ YES ☐ NO
*C-B12-9a	: A.M./P.M.	☐ YES ☐ NO
*C-B09-10b	: A.M./P.M.	☐ YES ☐ NO

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

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	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.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
10/09/13 5:35 □ AM ■ PM	C-B03-2	Discharge was brown and had a light oily sheen.	No source identified.	NA
10/09/13 6:02 □ AM ■ PM	C-B07-6	No flow observed at this station but foam was observed inside the manhole.	No source identified.	NA
10/09/13 5:03 □ AM ■ PM	C-B07-7	Discharge was brown and had an oily sheen.	Source of sheen appeared to be upstream cargo and maintenance area.	NA
10/09/13 5:18 □ AM ■ PM	*C-B12-9a (alternate site used due to construction)	Discharge contained suspended solids.	No source identified.	NA
10/09/13 5:31 □ AM ■ PM	*C-B09-10b (alternate site used due to construction)	Discharge was brown and contained suspended solids.	No source identified.	NA
NA / / : □ AM □ PM				

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: December 7, 2013

Observers Name: Anna Wernet & Alex Chin

Title: AMEC, Consultant

Signature:

Time Discharge Began: 12/29/12 1:59 PM

Observation Time: 1:59 PM – 2:32 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	2:07 P.M.	■ YES ☐ NO
C-B03-2	2:11 P.M.	■ YES ☐ NO
C-B05-4	2:13 P.M.	■ YES ☐ NO
*C-B06-5a	1:59 P.M.	■ YES ☐ NO
C-B07-6	2:20 P.M.	■ YES ☐ NO
C-B07-7	2:00 P.M.	■ YES ☐ NO
C-B08-8	2:32 P.M.	☐ YES ■ NO
*C-B12-9a	2:30 P.M.	☐ YES ■ NO
*C-B09-10b	2:15 P.M.	■ YES ☐ NO

Observation Date: January, 2013

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: GILB FOR A MARTIN

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	: A.M./P.M.	☐ YES ☐ NO
C-B03-2	: A.M./P.M.	☐ YES ☐ NO
C-B05-4	: A.M./P.M.	☐ YES ☐ NO
*C-B06-5a	: A.M./P.M.	☐ YES ☐ NO
C-B07-6	: A.M./P.M.	☐ YES ☐ NO
C-B07-7	: A.M./P.M.	☐ YES ☐ NO
C-B08-8	: A.M./P.M.	☐ YES ☐ NO
*C-B12-9a	: A.M./P.M.	☐ YES ☐ NO
*C-B09-10b	: A.M./P.M.	☐ YES ☐ NO

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

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	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.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
12/7/13 2:07 □ AM ■ PM	*C-B01-1a (alternate site used due to construction)	Discharge was brown.	No source identified.	NA
12/7/13 2:11 □ AM ■ PM	C-B03-2	Discharge was brown.	No source identified.	NA
12/7/13 2:13 □ AM ■ PM	C-B05-4	Discharge was brown.	No source identified.	NA
12/7/13 1:59 □ AM ■ PM	*C-B06-5a (alternate site used due to construction)	Discharge contained suspended solids.	No source identified.	NA
12/7/13 2:20 □ AM ■ PM	C-B07-6	Discharge was brown and associated with a rotten egg smell.	Smell came from oil-water separator in upstream area.	NA
12/7/13 2:00 □ AM ■ PM	C-B07-7	Discharge contained suspended solids.	No source identified.	NA

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	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.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
12/7/13 2:15 ☐ AM ■ PM	*C-B09-10b (alternate site used due to construction)	Discharge was brown and contained suspended solids.	No source identified.	NA
NA / / __ : ☐ AM ☐ PM				
NA / / __ : ☐ AM ☐ PM				
NA / / __ : ☐ AM ☐ PM				
NA / / __ : ☐ AM ☐ PM				
NA / / __ : ☐ AM ☐ PM				

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

SIDE A

Observation Date: February 6,2014

Observer's Name: Alex Chin

Title: AMEC, Consultant

Signature:

Time Discharge Began: 02/06/14 5:30 PM

Observation Time: 5:30 PM – 5:45 PM

Were Pollutants Observed: Yes
(If yes, complete reverse side

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
*C-B06-5a	: A.M. / PM	☐ YES ☐ NO
C-B07-6	5:45 P.M.	■ YES ☐ NO
C-B07-7	5:30 P.M.	■ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
*C-B12-9a	: A.M. / PM	☐ YES ☐ NO
*C-B09-10b	5:35 P.M.	☐ YES ■ NO

Observation Date: March 2014

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature: RGILB FOR ANNIE MARTIN

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
*C-B06-5a	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
*C-B12-9a	: A.M. / PM	☐ YES ☐ NO
*C-B09-10b	: A.M. / PM	☐ YES ☐ NO

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

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	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.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
02/06/14 5:45 □ AM ■ PM	C-B07-6	Discharge was brown and associated with a faint petroleum smell.	No source identified.	NA
02/06/14 5:30 □ AM ■ PM	C-B07-7	Discharge was brown and clear.	No source identified.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

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

SIDE A

Observation Date: April 2, 2014

Observer's Name: Lijun Xu & Mariamawit Yirsalign

Title: AMEC, Consultant

Signature:

Time Discharge Began: 04/02/2014 5:20 AM

Observation Time: 5:20 AM – 7:24 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	7:24 A.M.	■ YES ☐ NO
C-B03-2	6:45 A.M.	■ YES ☐ NO
C-B05-4	7:20 A.M.	■ YES ☐ NO
*C-B06-5a	6:35 A.M.	☐ YES ■ NO
C-B07-6	6:58 A.M.	☐ YES ■ NO
C-B07-7	7:10 A.M.	■ YES ☐ NO
C-B08-8	5:30 A.M.	☐ YES ■ NO
*C-B12-9a	5:20 A.M.	☐ YES ■ NO
*C-B09-10b	5:55 A.M.	■ YES ☐ NO

Observation Date: May 2014

Observers Name: Annie Martin

Title: Senior Environmental Specialist

Signature: Regis for A. Martin

Time Discharge Began: None – no discharge during daylight hours

Observation Time: NA

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	: A.M. / PM	☐ YES ☐ NO
C-B03-2	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
*C-B06-5a	: A.M. / PM	☐ YES ☐ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	: A.M. / PM	☐ YES ☐ NO
C-B08-8	: A.M. / PM	☐ YES ☐ NO
*C-B12-9a	: A.M. / PM	☐ YES ☐ NO
*C-B09-10b	: A.M. / PM	☐ YES ☐ NO

2013 – 2014
ANNUAL REPORT

SIDE B

FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	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.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
04/02/14 7:24 ■ AM □ PM	*C-B01-1a (alternate site used due to construction)	Discharge is brown and cloudy.	No source identified.	NA
04/02/14 6:45 ■ AM □ PM	C-B03-2	Discharge is cloudy.	No source identified.	NA
04/02/14 7:20 ■ AM □ PM	C-B05-4	Discharge is brown and cloudy.	No source identified.	NA
04/02/14 7:10 ■ AM □ PM	C-B07-7	Discharge is brown and cloudy.	No source identified.	NA
04/02/14 5:55 ■ 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 / / : □ AM □ PM				

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 **SIGNATURE:**

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

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 **SIGNATURE:**

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

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 **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
ASIG (05/30/14)	Yes / No		• Oil leaks observed from vehicles. • Improper storage of waste asphalt. • Trash container observed without lid. • Staining from fuel/oil leaks observed in operation area.	ASIG was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 6/27/14.
Bradford (05/19/14)	Yes / No		• Accumulated sediment observed.	Bradford was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 05/19/14.
Delta Airlines (05/21/14)	Yes / No		• Oil leaks observed from vehicles. • Staining from fuel/oil leaks observed in operation area. • Accumulated trash observed.	Delta Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/04/14.

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 **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
DHL (05/22/14)	Yes / No		• Oil leaks observed from vehicles. • Accumulated sediment observed.	DHL was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/24/14.
ELS (05/29/14)	Yes / No		• Accumulated sediment observed. • Improper storage of inoperable equipment. • Improper storage of tires.	ELS was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/25/14.
FedEx (05/23/14)	Yes / No		• Accumulated trash/debris observed. • Improper storage of inoperable equipment. • Outdoor storage of weathered supplies without cover/containment.	FedEx was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/20/14.

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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 **SIGNATURE:**

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

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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 **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
Jet Blue (05/21/14)	Yes / No		• Accumulated trash observed.	Jet Blue was notified of the deficiency during inspection. Confirmation that all deficiencies were abated was received on 05/21/14.
Landmark Aviation (05/22/14)	Yes / No		• Fluid leaks observed from equipment. • Accumulated sediment observed. • Oil staining observed.	Landmark was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/10/14.
SDCRAA (05/29/14)	Yes / No		• No signs posted on active hose bibs. • Stenciling on storm drains illegible. • Accumulated debris in storm drains. • Improper storage of inoperable equipment. • Storage of items without cover/containment. • Improper storage of potentially hazardous materials (batteries) • Non-hazardous waste stored without cover. • Improper storage of trash. • Accumulated sediment observed.	SDCRAA was notified of the deficiency by work order. Work requests were submitted on 6/10/14. Abatement is ongoing and will be completed prior to next quarterly inspection.

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 **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes to either question, complete the next two columns of this form.	DESCRIBE DEFICIENCIES IN BMPs OR BMP IMPLEMENTATION	DESCRIBE ADDITIONAL/REVISED BMPs OR CORRECTIVE ACTIONS AND THEIR DATE(S) OF IMPLEMENTATION
Southwest Airlines (05/20/14)	Yes / No		• Accumulated debris observed. • Improper storage of inoperable equipment. • Accumulated trash observed.	Southwest was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/24/14.
Spirit (05/20/14)	Yes / No		• Oil staining was observed within the gate area.	Spirit was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 05/29/14.
United Airlines (05/30/14)	Yes / No		• Storage of items without cover/containment. • Improper storage of inoperable equipment. • Accumulated sediment, trash, and debris observed. • Oil staining observed within gate area.	United was notified of the deficiency by work order. Confirmation that all deficiencies were abated was received on 06/27/14.

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 **SIGNATURE:**

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

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,

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.

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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-100913 (1310144-01) Liquid	**Sampled: 10/09/13 17:12**		**Received: 10/09/13 19:25**						
Enterococcus	**110**	1	CFU/100 mL	1	B3J0966	10/09/13	10/09/13 19:45	SM 9230C	
Fecal Coliforms	**40**	1.0	"	"	"	"	"	SM 9222D	
Total Coliforms	**270**	10	"	10	"	"	"	SM 9222B	
C-B09-10B-100913 (1310144-02) Liquid	**Sampled: 10/09/13 17:31**		**Received: 10/09/13 19:25**						
Enterococcus	**2000**	10	CFU/100 mL	10	B3J0966	10/09/13	10/09/13 19:45	SM 9230C	
Fecal Coliforms	**2400**	10	"	"	"	"	"	SM 9222D	
Total Coliforms	**60000**	100	"	100	"	"	"	SM 9222B	

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.

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

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

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.

1310144

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

	SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
01	C-B08-8 100913	10/09/13	~~17:25~~ 17:12	Total Coliforms, Fecal Coliforms, Enterococcus	120 mL Plastic	4°C + Tablet Preservative	2
02	C-B09-10B 100913	10/09/13	17:31	Total Coliforms, Fecal Coliforms, Enterococcus	120 mL Plastic	4°C + Tablet Preservative	2

(4 cans)

Sampler's Initials: AW, LX

Relinquished By: Anna Wernet Date/Time: 10/09/13; 17:55 Received By: Alexander Chin Date/Time: 10/9/13 17:55

Relinquished By: Alexander Chin Date/Time: 10/9/13 19:25 Received By: [signature] Date/Time: 10/9/13 19:25

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,

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

ANALYTICAL REPORT FOR SAMPLES

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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35**		**Received: 10/10/13 14:21**						
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	"	1	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**1100**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**950**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**343**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**6.90**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.480**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**5.67**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**102**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-4-100913 (1310169-02) Liquid	**Sampled: 10/09/13 17:45**		**Received: 10/10/13 14:21**						
Ammonia 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	"	1	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**660**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**600**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**196**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**2.00**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.280**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.44**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**72.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5A-100913 (1310169-03) Liquid	**Sampled: 10/09/13 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	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**111**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**296**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**60.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.140**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.71**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**30.0**	1.00	mg/L	"	"	"	"	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.

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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-100913 (1310169-04) Liquid	**Sampled: 10/09/13 17:03**		**Received: 10/10/13 14:21**						
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	"	1	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**424**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**389**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**97.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**4.00**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.430**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**5.51**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**110**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-100913 (1310169-05) Liquid	**Sampled: 10/09/13 17:12**		**Received: 10/10/13 14:21**						
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	"	1	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**53.0**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**3.90**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**127**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.130**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.67**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**9.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B09-10B-100913 (1310169-06) Liquid	**Sampled: 10/09/13 17:31**		**Received: 10/10/13 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	"	1	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**560**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**690**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**183**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**4.30**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.320**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.50**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**182**	1.00	mg/L	"	"	"	"	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.

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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9A-100913 (1310169-07) Liquid	**Sampled: 10/09/13 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	"	1	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**31.0**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**322**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**110**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.140**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.51**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**13.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-100913 (1310169-08) Liquid	**Sampled: 10/09/13 21:14**		**Received: 10/10/13 14:21**						
Biochemical Oxygen Demand	**70.0**	2.00	mg/L	1	B3J2242	10/10/13	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	**296**	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**838**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**295**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
pH	**6.56**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**58.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-100913-BLK (1310169-10) Liquid	**Sampled: 10/09/13 17:35**		**Received: 10/10/13 14:21**						
Ammonia as N	ND	0.100	mg/L	1	B3J2242	10/10/13	10/10/13 16:16	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	10/15/13 16:16	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	10/10/13 16:16	EPA 410.4	
Specific Conductance (EC)	**2.94**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	ND	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.83**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35 Received: 10/10/13 14:21**								
Silver	ND	1.5	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Aluminum	**4300**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**8.0**	3.0	"	"	"	"	"	"	
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	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Iron	**4.9**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J1107	10/11/13	10/17/13 15:45	EPA 245.1	
Nickel	77	5.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Lead	**290**	1.0	"	"	"	"	"	"	
Zinc	**1500**	1.0	"	"	"	"	"	"	
C-B05-4-100913 (1310169-02) Liquid	**Sampled: 10/09/13 17:45 Received: 10/10/13 14:21**								
Silver	ND	1.5	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Aluminum	**1800**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1045	10/10/13	10/16/13 12:11	EPA 218.6	
Copper	**1900**	1.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Iron	**1.9**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J1107	10/11/13	10/17/13 15:45	EPA 245.1	
Nickel	**48**	5.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	**7100**	1.0	"	"	"	"	"	"	

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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5A-100913 (1310169-03) Liquid	**Sampled: 10/09/13 17:10**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Aluminum	**1000**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**12**	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1045	10/10/13	10/16/13 12:11	EPA 218.6	
Copper	**82**	1.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Iron	**1.1**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J1107	10/11/13	10/17/13 15:45	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	**1100**	1.0	"	"	"	"	"	"	
C-B07-7-100913 (1310169-04) Liquid	**Sampled: 10/09/13 17:03**		**Received: 10/10/13 14:21**						
Aluminum	**1800**	25	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Copper	**760**	1.0	"	"	"	"	"	"	
Iron	**2.1**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**2200**	1.0	"	"	"	"	"	"	
C-B08-8-100913 (1310169-05) Liquid	**Sampled: 10/09/13 17:12**		**Received: 10/10/13 14:21**						
Aluminum	**72**	25	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Copper	**120**	1.0	"	"	"	"	"	"	
Iron	**0.094**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**250**	1.0	"	"	"	"	"	"	

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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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

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 14:21**						
Aluminum	**2500**	25	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Copper	**120**	1.0	"	"	"	"	"	"	
Iron	**3.1**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**1200**	1.0	"	"	"	"	"	"	
C-B12-9A-100913 (1310169-07) Liquid	**Sampled: 10/09/13 17:09**		**Received: 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	"	"	"	"	"	"	
Iron	**0.26**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**220**	1.0	"	"	"	"	"	"	
S-B06-12-100913 (1310169-08) Liquid	**Sampled: 10/09/13 21:14**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Aluminum	**720**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1045	10/10/13	10/16/13 12:11	EPA 218.6	
Copper	**410**	1.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Iron	**0.10**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J1107	10/11/13	10/17/13 15:45	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	**2000**	1.0	"	"	"	"	"	"	

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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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

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**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Aluminum	ND	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1045	10/10/13	10/16/13 12:11	EPA 218.6	
Copper	ND	1.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J1107	10/11/13	10/17/13 15:45	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J1044	10/10/13	10/15/13 11:39	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	

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

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**3.1**	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1048	10/10/13	10/16/13 12:13	EPA 218.6	
Copper	**1400**	1.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3J1108	10/11/13	10/17/13 15:53	EPA 245.1	
Nickel	**44**	5.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Lead	**140**	2.0	"	"	"	"	"	"	
Zinc	**1300**	1.0	"	"	"	"	"	"	
C-B05-4-100913 (1310169-02) Liquid	**Sampled: 10/09/13 17:45**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1048	10/10/13	10/16/13 12:13	EPA 218.6	
Copper	**1500**	1.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3J1108	10/11/13	10/17/13 15:53	EPA 245.1	
Nickel	**38**	5.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**5600**	1.0	"	"	"	"	"	"	
C-B06-5A-100913 (1310169-03) Liquid	**Sampled: 10/09/13 17:10**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**4.8**	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1048	10/10/13	10/16/13 12:13	EPA 218.6	
Copper	**58**	1.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3J1108	10/11/13	10/17/13 15:53	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**330**	1.0	"	"	"	"	"	"	

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

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-100913 (1310169-04) Liquid	**Sampled: 10/09/13 17:03**		**Received: 10/10/13 14:21**						
Copper	**560**	1.0	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Zinc	**1700**	1.0	"	"	"	"	"	"	
C-B08-8-100913 (1310169-05) Liquid	**Sampled: 10/09/13 17:12**		**Received: 10/10/13 14:21**						
Copper	**99**	1.0	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Zinc	**190**	1.0	"	"	"	"	"	"	
C-B09-10B-100913 (1310169-06) Liquid	**Sampled: 10/09/13 17:31**		**Received: 10/10/13 14:21**						
Copper	**85**	1.0	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Zinc	**920**	1.0	"	"	"	"	"	"	
C-B12-9A-100913 (1310169-07) Liquid	**Sampled: 10/09/13 17:09**		**Received: 10/10/13 14:21**						
Copper	**33**	1.0	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Zinc	**160**	1.0	"	"	"	"	"	"	
S-B06-12-100913 (1310169-08) Liquid	**Sampled: 10/09/13 21:14**		**Received: 10/10/13 14:21**						
Silver	ND	1.5	µg/L	1	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J1048	10/10/13	10/16/13 12:13	EPA 218.6	
Copper	**240**	1.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3J1108	10/11/13	10/17/13 15:53	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J1105	10/11/13	10/15/13 12:12	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**1500**	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.

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

Trivalent Chromium by Calculation

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35 Received: 10/10/13 14:21**								
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: 10/09/13 17:45 Received: 10/10/13 14:21**								
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: 10/09/13 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 Received: 10/10/13 14:21**								
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) Liquid	**Sampled: 10/09/13 17:35 Received: 10/10/13 14:21**								
Trivalent Chromium	ND	0.010	mg/L	1	B3J1047	10/10/13	10/16/13 12:21	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	11/14/13 10:54

Trivalent Chromium by Calculation (Dissolved)

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35 Received: 10/10/13 14:21**								
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 Received: 10/10/13 14:21**								
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	**Sampled: 10/09/13 17:10 Received: 10/10/13 14:21**								
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 Received: 10/10/13 14:21**								
Trivalent Chromium	ND	0.010	mg/L	1	B3J1049	10/10/13	10/16/13 12:18	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	11/14/13 10:54

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35**	**Received: 10/10/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4′-DDD	ND	0.010	"	"	"	"	"	"	
4,4′-DDE	ND	0.010	"	"	"	"	"	"	
4,4′-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*45.2 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*67.2 %*		*42-147*	"	"	"	"	

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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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5A-100913 (1310169-03) Liquid	**Sampled: 10/09/13 17:10**		**Received: 10/10/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4′-DDD	ND	0.010	"	"	"	"	"	"	
4,4′-DDE	ND	0.010	"	"	"	"	"	"	
4,4′-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*43.6 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*66.4 %*		*42-147*	"	"	"	"	

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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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-100913 (1310169-04) Liquid	**Sampled: 10/09/13 17:03**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*72.8 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*59.6 %*	*42-147*		"	"	"	"	
C-B08-8-100913 (1310169-05) Liquid	**Sampled: 10/09/13 17:12**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*45.2 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*46.0 %*	*42-147*		"	"	"	"	
C-B09-10B-100913 (1310169-06) Liquid	**Sampled: 10/09/13 17:31**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*72.0 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*46.4 %*	*42-147*		"	"	"	"	

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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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9A-100913 (1310169-07) Liquid	**Sampled: 10/09/13 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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*43.6 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63.2 %*	*42-147*		"	"	"	"	
S-B06-12-100913 (1310169-09) Liquid	**Sampled: 10/09/13 17:55**		**Received: 10/10/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4′-DDD	ND	0.010	"	"	"	"	"	"	
4,4′-DDE	ND	0.010	"	"	"	"	"	"	
4,4′-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*87.6 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*114 %*	*42-147*		"	"	"	"	

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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

Sierra Analytical Labs, Inc.

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**		**Received: 10/10/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*52.4 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*75.2 %*		*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.

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

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid	**Sampled: 10/09/13 17:35**	**Received: 10/10/13 14:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 16:11	EPA 8015B	D-42
Surrogate: o-Terphenyl		*556 %*	*60-175*		"	"	"	"	*S-07*
Jet-A	**0.40**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*556 %*	*60-175*		"	"	"	"	*S-07*
Oil Range Organics (C22-C36)	**0.64**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*556 %*	*60-175*		"	"	"	"	*S-07*
C-B06-5A-100913 (1310169-03) Liquid	**Sampled: 10/09/13 17:10**	**Received: 10/10/13 14:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 16:23	EPA 8015B	
Surrogate: o-Terphenyl		*164 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*164 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*164 %*	*60-175*		"	"	"	"	
C-B07-7-100913 (1310169-04) Liquid	**Sampled: 10/09/13 17:03**	**Received: 10/10/13 14:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 16:34	EPA 8015B	D-42
Surrogate: o-Terphenyl		*307 %*	*60-175*		"	"	"	"	*S-07*
Jet-A	**0.24**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*307 %*	*60-175*		"	"	"	"	*S-07*
Oil Range Organics (C22-C36)	**0.39**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*307 %*	*60-175*		"	"	"	"	*S-07*
C-B08-8-100913 (1310169-05) Liquid	**Sampled: 10/09/13 17:12**	**Received: 10/10/13 14:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 16:45	EPA 8015B	
Surrogate: o-Terphenyl		*315 %*	*60-175*		"	"	"	"	*S-07*
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*315 %*	*60-175*		"	"	"	"	*S-07*
Oil Range Organics (C22-C36)	**0.42**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*315 %*	*60-175*		"	"	"	"	*S-07*

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

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

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 14:21**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 16:57	EPA 8015B	D-42
Surrogate: o-Terphenyl		*389 %*	*60-175*		"	"	"	"	*S-07*
Jet-A	**0.26**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*389 %*	*60-175*		"	"	"	"	*S-07*
Oil Range Organics (C22-C36)	**0.53**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*389 %*	*60-175*		"	"	"	"	*S-07*
C-B12-9A-100913 (1310169-07) Liquid	**Sampled: 10/09/13 17:09**		**Received: 10/10/13 14:21**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 17:08	EPA 8015B	
Surrogate: o-Terphenyl		*70.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*70.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*70.8 %*	*60-175*		"	"	"	"	
C-B03-2-100913-BLK (1310169-10) Liquid	**Sampled: 10/09/13 17:35**		**Received: 10/10/13 14:21**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3J1729	10/11/13	10/17/13 17:19	EPA 8015B	
Surrogate: o-Terphenyl		*80.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.8 %*	*60-175*		"	"	"	"	

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	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-100913 (1310169-01) Liquid Sampled: 10/09/13 17:35 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*71.4 %*	*30-115*		"	"	"	"	
C-B06-5A-100913 (1310169-03) Liquid Sampled: 10/09/13 17:10 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*59.8 %*	*30-115*		"	"	"	"	

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.

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	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-100913 (1310169-09) Liquid Sampled: 10/09/13 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*39.8 %*		*30-115*	"	"	"	"	
C-B03-2-100913-BLK (1310169-10) Liquid Sampled: 10/09/13 17:35 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*62.0 %*		*30-115*	"	"	"	"	

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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 & Analyzed: 10/10/13						
Ammonia as N	ND	0.100	mg/L							
Biochemical Oxygen Demand	ND	2.00	"							
Chemical Oxygen Demand	ND	0.100	"							
Methylene Blue Active Substances	ND	0.0500	"							
Total Hardness	ND	0.400	"							
Total Suspended Solids	ND	1.00	"							
LCS (B3J2242-BS1)				Prepared & Analyzed: 10/10/13						
Ammonia as N	4.85	0.100	mg/L	5.00		97.0	85-115			
Biochemical Oxygen Demand	206	2.00	"	198		104	70-130			
Chemical Oxygen Demand	289	0.100	"	300		96.3	85-115			
Methylene Blue Active Substances	0.440	0.0500	"	0.500		88.0	85-115			
Total Hardness	97.4	0.400	"	100		97.4	85-115			
Duplicate (B3J2242-DUP1)	**Source: 1310169-01**			Prepared & Analyzed: 10/10/13						
Ammonia as N	23.2	2.50	mg/L		24.5			5.45	15	
Biochemical Oxygen Demand	198	2.00	"		210			5.88	30	
Chemical Oxygen Demand	1060	0.100	"		1100			3.70	15	
Methylene Blue Active Substances	0.510	0.0500	"		0.480			6.06	15	
Total Hardness	350	0.400	"		343			2.02	15	
Total Suspended Solids	100	1.00	"		102			1.98	15	
Matrix Spike (B3J2242-MS1)	**Source: 1310169-01**			Prepared & Analyzed: 10/10/13						
Ammonia as N	28.0	2.50	mg/L	5.00	24.5	70.0	70-130			
Biochemical Oxygen Demand	390	2.00	"	198	210	90.9	70-130			
Chemical Oxygen Demand	1380	0.100	"	300	1100	93.3	70-130			
Methylene Blue Active Substances	1.04	0.0500	"	0.500	0.480	112	70-130			
Total Hardness	432	0.400	"	100	343	89.0	70-130			

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

Metals 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
Batch B3J1044 - EPA 200 Series										
Blank (B3J1044-BLK1)				Prepared: 10/10/13 Analyzed: 10/15/13						
Aluminum	ND	25	µg/L							
Arsenic	ND	3.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
LCS (B3J1044-BS1)				Prepared: 10/10/13 Analyzed: 10/15/13						
Aluminum	95.4	25	µg/L	100		95.4	85-115			
Arsenic	85.6	3.0	"	100		85.6	85-115			
Cadmium	103	2.0	"	100		103	85-115			
Chromium	114	3.0	"	100		114	85-115			
Copper	107	1.0	"	100		107	85-115			
Iron	0.103	0.025	mg/L	0.100		103	85-115			
Lead	85.6	1.0	µg/L	100		85.6	85-115			
Nickel	94.3	5.0	"	100		94.3	85-115			
Silver	107	1.5	"	100		107	85-115			
Zinc	85.2	1.0	"	100		85.2	85-115			
Matrix Spike (B3J1044-MS1)	**Source: 1310169-10**			Prepared: 10/10/13 Analyzed: 10/15/13						
Aluminum	92.8	25	µg/L	100	ND	92.8	70-130			
Arsenic	102	3.0	"	100	ND	102	70-130			
Cadmium	99.6	2.0	"	100	ND	99.6	70-130			
Chromium	103	3.0	"	100	ND	103	75-130			
Copper	110	1.0	"	100	0.30	110	70-130			
Iron	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			
Nickel	95.1	5.0	"	100	ND	95.1	70-130			
Silver	105	1.5	"	100	ND	105	70-130			
Zinc	90.7	1.0	"	100	ND	90.7	70-130			

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

Metals 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
Batch B3J1044 - EPA 200 Series										
Matrix Spike Dup (B3J1044-MSD1)	**Source: 1310169-10**			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	"	100	ND	81.9	70-130	21.9	30	
Cadmium	102	2.0	"	100	ND	102	70-130	2.38	30	
Chromium	102	3.0	"	100	ND	102	75-130	0.976	30	
Copper	109	1.0	"	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	"	100	ND	104	70-130	8.94	30	
Silver	104	1.5	"	100	ND	104	70-130	0.957	30	
Zinc	111	1.0	"	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)	**Source: 1310169-10**			Prepared: 10/10/13 Analyzed: 10/16/13						
Hexavalent Chromium	0.00262	0.0020	mg/L	0.00300	ND	87.3	80-120			
Matrix Spike Dup (B3J1045-MSD1)	**Source: 1310169-10**			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							

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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

Metals 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
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)		**Source: 1310146-01**		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-MSD1)		**Source: 1310146-01**		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	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

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
Batch B3J1048 - EPA 200 Series										
Blank (B3J1048-BLK1)				Prepared: 10/10/13 Analyzed: 10/16/13						
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		93.0	85-115			
Matrix Spike (B3J1048-MS1)		**Source: 1310169-08**		Prepared: 10/10/13 Analyzed: 10/16/13						
Hexavalent Chromium	0.00298	0.0020	mg/L	0.00300	ND	99.3	80-120			
Matrix Spike Dup (B3J1048-MSD1)		**Source: 1310169-08**		Prepared: 10/10/13 Analyzed: 10/16/13						
Hexavalent Chromium	0.00288	0.0020	mg/L	0.00300	ND	96.0	80-120	3.41	20	
Batch B3J1105 - EPA 200 Series										
Blank (B3J1105-BLK1)				Prepared: 10/11/13 Analyzed: 10/15/13						
Arsenic	ND	3.0	µg/L							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Lead	ND	2.0	"							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
LCS (B3J1105-BS1)				Prepared: 10/11/13 Analyzed: 10/15/13						
Arsenic	104	3.0	µg/L	100		104	85-115			
Cadmium	110	2.0	"	100		110	85-115			
Chromium	102	3.0	"	100		102	85-115			
Copper	115	1.0	"	100		115	85-115			
Lead	107	2.0	"	100		107	85-115			
Nickel	109	5.0	"	100		109	85-115			
Silver	115	1.5	"	100		115	85-115			
Zinc	85.6	1.0	"	100		85.6	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	11/14/13 10:54

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
Batch B3J1105 - EPA 200 Series										
Matrix Spike (B3J1105-MS1)	**Source: 1310169-01**			Prepared: 10/11/13 Analyzed: 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	"	100	3.1	109	70-130			
Copper	1420	1.0	"	100	1400	20.0	70-130			QM-07
Lead	208	2.0	"	100	140	68.0	70-130			QM-07
Nickel	166	5.0	"	100	44	122	70-130			
Silver	112	1.5	"	100	ND	112	70-130			
Zinc	1250	1.0	"	100	1300	NR	70-130			QM-07
Matrix Spike Dup (B3J1105-MSD1)	**Source: 1310169-01**			Prepared: 10/11/13 Analyzed: 10/15/13						
Arsenic	104	3.0	µg/L	100	ND	104	70-130	14.8	30	
Cadmium	102	2.0	"	100	ND	102	70-130	1.94	30	
Chromium	110	3.0	"	100	3.1	107	70-130	1.80	30	
Copper	1360	1.0	"	100	1400	NR	70-130	4.32	30	QM-07
Lead	211	2.0	"	100	140	71.0	70-130	1.43	30	
Nickel	170	5.0	"	100	44	126	70-130	2.38	30	
Silver	109	1.5	"	100	ND	109	70-130	2.71	30	
Zinc	1180	1.0	"	100	1300	NR	70-130	5.76	30	QM-07
Batch B3J1108 - EPA 200 Series										
Blank (B3J1108-BLK1)				Prepared: 10/11/13 Analyzed: 10/17/13						
Mercury	ND	0.00073	mg/L							
LCS (B3J1108-BS1)				Prepared: 10/11/13 Analyzed: 10/17/13						
Mercury	0.00104	0.00073	mg/L	0.00100		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.

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

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
Batch B3J1108 - EPA 200 Series										
Matrix Spike (B3J1108-MS1)		**Source: 1310169-01**		Prepared: 10/11/13		Analyzed: 10/17/13				
Mercury	0.00128	0.00073	mg/L	0.00100	ND	128	80-120			QM-07
Matrix Spike Dup (B3J1108-MSD1)		**Source: 1310169-01**		Prepared: 10/11/13		Analyzed: 10/17/13				
Mercury	0.00124	0.00073	mg/L	0.00100	ND	124	80-120	3.17	20	QM-07

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.

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 Funnel										
Blank (B3J1802-BLK1)				Prepared: 10/17/13 Analyzed: 10/18/13						
Aldrin	ND	0.075	µg/L							
PCB-1016	ND	0.50	"							
HCH-alpha	ND	0.010	"							
PCB-1221	ND	0.50	"							
HCH-beta	ND	0.050	"							
PCB-1232	ND	0.50	"							
HCH-delta	ND	0.10	"							
PCB-1242	ND	0.50	"							
HCH-gamma (Lindane)	ND	0.20	"							
PCB-1248	ND	0.50	"							
Chlordane	ND	0.050	"							
PCB-1254	ND	0.50	"							
4,4'-DDD	ND	0.010	"							
PCB-1260	ND	0.50	"							
4,4'-DDE	ND	0.010	"							
4,4'-DDT	ND	0.010	"							
Dieldrin	ND	0.020	"							
Endosulfan I	ND	0.020	"							
Endosulfan II	ND	0.050	"							
Endosulfan sulfate	ND	0.050	"							
Endrin	ND	0.10	"							
Endrin aldehyde	ND	0.050	"							
Heptachlor	ND	0.010	"							
Heptachlor epoxide	ND	0.010	"							
Toxaphene	ND	1.0	"							
PCB-1016	ND	0.50	"							
PCB-1221	ND	0.50	"							
PCB-1232	ND	0.50	"							
PCB-1242	ND	0.50	"							
PCB-1248	ND	0.50	"							
PCB-1254	ND	0.50	"							
PCB-1260	ND	0.50	"							
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 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-gamma (Lindane)	0.0812	0.20	"	0.0800		102	80-120			
PCB-1260	2.14	0.50	"	2.00		107	80-120			
4,4'-DDT	0.184	0.010	"	0.200		92.0	80-120			
Dieldrin	0.180	0.020	"	0.200		90.0	80-120			
Heptachlor	0.0837	0.010	"	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	"	0.0800		106	80-120			
PCB-1260	2.24	0.50	"	2.00		112	80-120			
4,4'-DDT	0.174	0.010	"	0.200		87.0	80-120			
Dieldrin	0.176	0.020	"	0.200		88.0	80-120			
Heptachlor	0.0802	0.010	"	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	"	0.0800		100	80-120	0.990	30	
PCB-1260	2.33	0.50	"	2.00		116	80-120	8.50	30	
4,4'-DDT	0.190	0.010	"	0.200		95.0	80-120	3.21	30	
Dieldrin	0.172	0.020	"	0.200		86.0	80-120	4.55	30	
Heptachlor	0.0821	0.010	"	0.0800		103	80-120	1.93	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 10:54

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	"							
Oil Range Organics (C22-C36)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.0248*		"	*0.0250*		*99.2*	*60-175*			
Surrogate: o-Terphenyl	*0.0248*		"	*0.0250*		*99.2*	*60-175*			
Surrogate: o-Terphenyl	*0.0248*		"	*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	"	0.500		87.8	80-120			
Diesel Range Organics (C10-C24)	0.439	0.050	"	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	"	0.500		91.6	80-120			
Diesel Range Organics (C10-C24)	0.458	0.050	"	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	"	0.500		92.4	80-120	5.11	30	
Diesel Range Organics (C10-C24)	0.462	0.050	"	0.500		92.4	80-120	5.11	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 10:54

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										
Blank (B3J2247-BLK1)				Prepared: 10/16/13 Analyzed: 10/22/13						
Naphthalene	ND	0.500	µg/L							
Acenaphthylene	ND	1.00	"							
Acenaphthene	ND	1.00	"							
Fluorene	ND	0.100	"							
Phenanthrene	ND	0.100	"							
Anthracene	ND	0.0500	"							
Fluoranthene	ND	0.100	"							
Pyrene	ND	0.100	"							
Benzo (a) anthracene	ND	0.0500	"							
Chrysene	ND	0.100	"							
Benzo (b) fluoranthene	ND	0.100	"							
Benzo (k) fluoranthene	ND	0.0500	"							
Benzo (a) pyrene	ND	0.0500	"							
Dibenzo(a,h)anthracene	ND	0.100	"							
Benzo (g,h,i) perylene	ND	0.100	"							
Indeno (1,2,3-cd) pyrene	ND	0.100	"							
Surrogate: Decafluorobiphenyl	*5.32*		"	*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			
Fluorene	0.569	0.100	"	0.500		114	60-130			
Pyrene	0.485	0.100	"	0.500		97.0	60-130			
Benzo (a) pyrene	0.499	0.0500	"	0.500		99.8	60-130			
Indeno (1,2,3-cd) pyrene	0.421	0.100	"	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	"	0.500		120	60-130			
Pyrene	0.452	0.100	"	0.500		90.4	60-130			
Benzo (a) pyrene	0.489	0.0500	"	0.500		97.8	60-130			
Indeno (1,2,3-cd) pyrene	0.405	0.100	"	0.500		81.0	60-130			

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: 10/22/13						
Naphthalene	0.557	0.500	µg/L	0.500		111	60-130	2.91	30	
Fluorene	0.519	0.100	"	0.500		104	60-130	9.19	30	
Pyrene	0.498	0.100	"	0.500		99.6	60-130	2.64	30	
Benzo (a) pyrene	0.503	0.0500	"	0.500		101	60-130	0.798	30	
Indeno (1,2,3-cd) pyrene	0.544	0.100	"	0.500		109	60-130	25.5	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 10:54

Notes and Definitions

D-42	Sample non-detect (ND) for requested fuel type. Other hydrocarbons may be present.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

PTS Laboratories, Inc.

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: N/A
Project Number: 1310169

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

TEST PROGRAM - 20131011

FLUID ID	Date	Time	Fluid Type	Particle Size: Microsize			
Method:				ASTM D4464			
Date Received: 20131011							
S-B06-12-100913 (1310169-09)	20131009	1755	Water	X			
TOTALS:				1			1

Laboratory Test Program Notes
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: N/A
PROJECT NO: 1310169

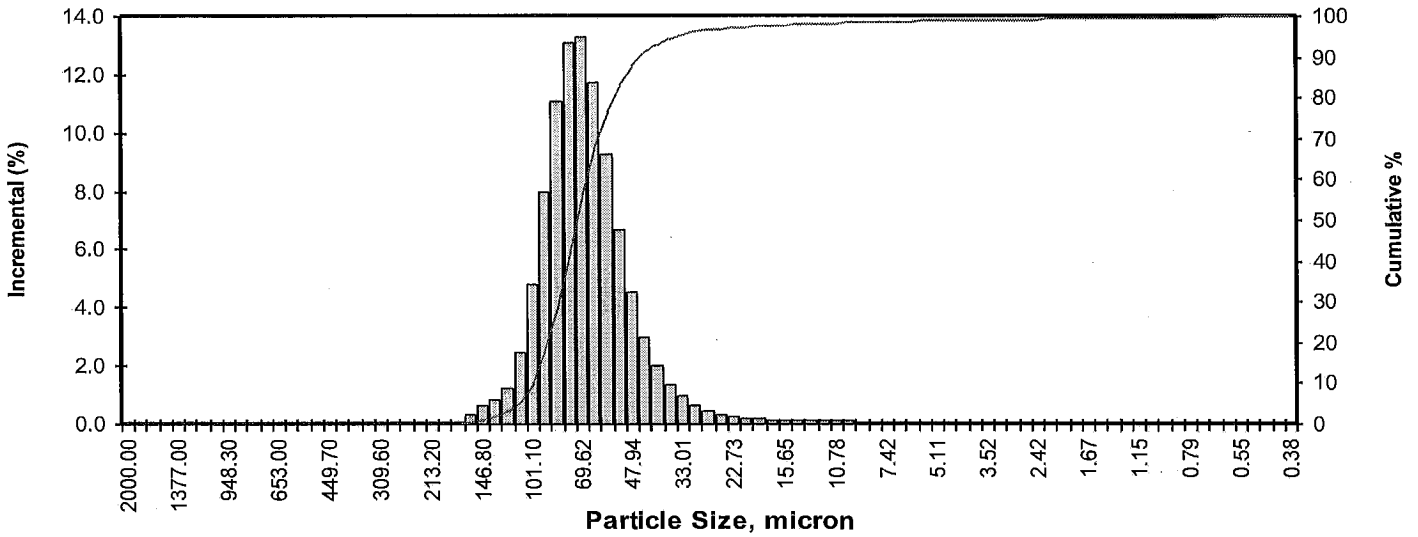
Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-100913 (1310169-09)	Aqueous	72.492	116.877	103.246	96.336	87.380	78.161	72.492	67.098	58.303	52.159	45.066	34.215

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	43667
Project:	N/A	**Sample ID:**	S-B06-12-100913 (1310169-09)
Project No:	1310169	**Matrix:**	Aqueous



Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
2000.00	0.00	0.0
1822.00	0.00	0.0
1660.00	0.00	0.0
1512.00	0.00	0.0
1377.00	0.00	0.0
1255.00	0.00	0.0
1143.00	0.00	0.0
1041.00	0.00	0.0
948.30	0.00	0.0
863.90	0.00	0.0
786.90	0.00	0.0
716.90	0.00	0.0
653.00	0.00	0.0
594.90	0.00	0.0
541.90	0.00	0.0
493.60	0.00	0.0
449.70	0.00	0.0
409.60	0.00	0.0
373.10	0.00	0.0
339.90	0.00	0.0
309.60	0.00	0.0
282.10	0.00	0.0
256.90	0.00	0.0
234.10	0.00	0.0
213.20	0.00	0.0
194.20	0.00	0.0
176.90	0.06	0.1
161.20	0.34	0.4
146.80	0.67	1.1
133.70	0.84	1.9
121.80	1.24	3.2
111.00	2.45	5.6
101.10	4.79	10.4
92.10	8.00	18.4
83.90	11.10	29.5
76.43	13.10	42.6
69.62	13.30	55.9
63.42	11.70	67.6
57.77	9.28	76.9

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	6.69	83.6
47.94	4.54	88.1
43.67	3.00	91.1
39.78	2.00	93.1
36.24	1.37	94.5
33.01	0.95	95.4
30.07	0.67	96.1
27.39	0.47	96.6
24.95	0.34	96.9
22.73	0.25	97.2
20.71	0.20	97.4
18.86	0.17	97.5
17.18	0.15	97.7
15.65	0.14	97.8
14.26	0.13	97.9
12.99	0.12	98.1
11.83	0.12	98.2
10.78	0.11	98.3
9.82	0.10	98.4
8.94	0.09	98.5
8.15	0.09	98.6
7.42	0.08	98.7
6.76	0.08	98.7
6.16	0.07	98.8
5.61	0.07	98.9
5.11	0.06	98.9
4.66	0.06	99.0
4.24	0.06	99.1
3.86	0.05	99.1
3.52	0.05	99.2
3.21	0.04	99.2
2.92	0.04	99.2
2.66	0.03	99.3
2.42	0.03	99.3
2.21	0.02	99.3
2.01	0.02	99.3
1.83	0.02	99.3
1.67	0.01	99.4
1.52	0.02	99.4

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.019	99.4
1.261	0.024	99.4
1.149	0.030	99.4
1.047	0.037	99.5
0.954	0.044	99.5
0.869	0.050	99.6
0.791	0.054	99.6
0.721	0.057	99.7
0.657	0.056	99.7
0.598	0.054	99.8
0.545	0.048	99.8
0.496	0.040	99.9
0.452	0.030	99.9
0.412	0.018	99.9
0.375	0.010	99.9
TOTALS:	**99.94**	**99.9**

Measure	Trask	Inman
Median, mm	0.0725	0.0725
Median, micron	72.492	72.492
Mean, mm	0.0728	0.0709
Mean, micron	72.842	70.885
Sorting	1.2242	0.443
Skewness	0.9846	0.073
Kurtosis	0.2499	1.002

Cumulative Percent greater than		
Distribution percent	Particle Size	
	Micron	Millimeters
5	116.877	0.1169
10	103.246	0.1032
16	96.336	0.0963
25	87.380	0.0874
40	78.161	0.0782
50	72.492	0.0725
60	67.098	0.0671
75	58.303	0.0583
84	52.159	0.0522
90	45.066	0.0451
95	34.215	0.0342

Phone: (562) 907-3607
Fax: (562) 907-3611

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1310169

43667

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

Turn Around Time Requested: ☒ Normal ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 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-B06-12-100913 (1310169-09)	Liquid	10/09/13 17:55	[redacted]	
Full Particle Sizing	04/07/14 17:55			

Containers Supplied:
1L Amber (C)

Special Instructions :

☐ Intact ☐ Sample Accepted
☐ Properly Preserved ☐ Cooler Temp (°C) 5 x 0.2
☐ Appropriate Containers ☐ Preservatives Verified By

Relinquished By	Date / Time	Received By	Date / Time
[signature]	10/11/13 @ 13:30	[signature]	10/11/13 13:30
Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time

Certificate of Analysis

Report Date: 10/25/13 10:32
Received Date: 10/11/13 13:57
Turnaround Time: Normal

Project: 1310169

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 10/11/2013 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 **Sample ID: C-B08-8-100913 (1310169-05)** **Matrix:** Water
Sampled by: Client **Sampled: 10/09/13 17:12**

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-B06-12-100913 (1310169-09)** **Matrix:** 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 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W3J0985 - EPA 8015B

Blank (W3J0985-BLK1) — **Prepared: 10/18/13 Analyzed: 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 Analyzed: 10/18/13 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) — **Source: 3J11083-01** — **Prepared: 10/18/13 Analyzed: 10/18/13 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) — **Source: 3J11083-01** — **Prepared: 10/18/13 Analyzed: 10/18/13 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

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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

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

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,

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.

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

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-102913 (1310383-01) Liquid	**Sampled: 10/29/13 02:47**		**Received: 10/29/13 04:35**						
Enterococcus	**5**	1	CFU/100 mL	1	B3J2944	10/29/13	10/29/13 05:30	SM 9230C	
Fecal Coliforms	<1	1.0	"	"	"	"	"	SM 9222D	
Total Coliforms	**6.0**	1.0	"	"	"	"	"	SM 9222B	
C-B09-10B-102913 (1310383-02) Liquid	**Sampled: 10/29/13 03:06**		**Received: 10/29/13 04:35**						
Enterococcus	**9000**	100	CFU/100 mL	100	B3J2944	10/29/13	10/29/13 05:30	SM 9230C	
Fecal Coliforms	**50**	1.0	"	1	"	"	"	SM 9222D	
Total Coliforms	**9000**	100	"	100	"	"	"	SM 9222B	

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.

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

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.

#1310383

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

	SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
01	C-B08-8 102913	10/29/2013	2:47 am	Total Coliforms, Fecal Coliforms, Enterococcus	120 mL Plastic	4°C + Tablet Preservative	2
02	C-B09-10B 102913	10/29/2013	3:06 am	Total Coliforms, Fecal Coliforms, Enterococcus	120 mL Plastic	4°C + Tablet Preservative	2

Sampler's Initials: AC

Relinquished By: Alexander Chin Date/Time: 10/29/13 Received By: [signature] Date/Time: 10-29-13

Relinquished By: [signature] Date/Time: 10/29/13 Received By: [signature] Date/Time: 10-29-13 @ 4:35 am

Page _____ of _____

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,

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

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
C-B07-6-102913	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: 10/29/13 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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**28.0**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**97.0**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**26.6**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.92**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**10.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-102913 (1310398-02) Liquid	**Sampled: 10/29/13 03:55**		**Received: 10/29/13 13:50**						
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**196**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**443**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**165**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**2.90**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.340**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.40**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**86.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-4-102913 (1310398-03) Liquid	**Sampled: 10/29/13 03:45**		**Received: 10/29/13 13:50**						
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**168**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**236**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**75.1**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**2.20**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.310**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**63.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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-B06-5A-102913 (1310398-04) Liquid	**Sampled: 10/29/13 04:30**		**Received: 10/29/13 13:50**						
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**456**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**183**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**43.4**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.280**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.12**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**189**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-102913 (1310398-05) Liquid	**Sampled: 10/29/13 04:00**		**Received: 10/29/13 13:50**						
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**289**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**260**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**68.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**2.00**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.270**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.44**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**62.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-7-102913 (1310398-06) Liquid	**Sampled: 10/29/13 02:55**		**Received: 10/29/13 13:50**						
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**184**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**166**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**52.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**3.30**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.390**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.51**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**69.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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-B08-8-102913 (1310398-07) Liquid	**Sampled: 10/29/13 02:40**	**Received: 10/29/13 13:50**							
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**28.0**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**164**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**58.2**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.05**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**7.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B09-10B-102913 (1310398-08) Liquid	**Sampled: 10/29/13 03:00**	**Received: 10/29/13 13:50**							
Ammonia as N	**2.40**	0.100	mg/L	1	B3K0428	10/29/13	10/29/13 15:15	SM 4500-NH3	
Biochemical Oxygen Demand	**53.0**	2.00	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**280**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**305**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**64.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	**2.40**	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.350**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.98**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**51.0**	1.00	mg/L	"	"	"	"	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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**77.0**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**170**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**53.8**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.18**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**10.0**	1.00	mg/L	"	"	"	"	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.

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-B06-5A-102913-BLK (1310398-10) Liquid Sampled: 10/29/13 04:30 Received: 10/29/13 13:50									
Ammonia as N	ND	0.100	mg/L	1	B3K0428	10/29/13	10/29/13 15:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**1.65**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	ND	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.82**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-102913-DUP (1310398-11) Liquid Sampled: 10/29/13 02:40 Received: 10/29/13 13:50									
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	"	"	"	"	11/03/13 15:15	EPA 405.1	
Chemical Oxygen Demand	**30.0**	0.100	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**160**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**57.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.08**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**14.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
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	"	"	"	"	10/29/13 15:15	EPA 410.4	
Specific Conductance (EC)	**191**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**50.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
pH	**7.18**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**12.0**	1.00	mg/L	"	"	"	"	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.

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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-102913 (1310398-01) Liquid	**Sampled: 10/29/13 03:30**		**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	**530**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2939	10/29/13	11/04/13 11:13	EPA 218.6	
Copper	**27**	1.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Iron	**0.56**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J3042	10/30/13	10/30/13 19:54	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	**48**	1.0	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2939	10/29/13	11/04/13 11:13	EPA 218.6	
Copper	**960**	1.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Iron	**0.30**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J3042	10/30/13	10/30/13 19:54	EPA 245.1	
Nickel	**48**	5.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Lead	**120**	1.0	"	"	"	"	"	"	
Zinc	**730**	1.0	"	"	"	"	"	"	

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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-102913 (1310398-03) Liquid	**Sampled: 10/29/13 03:45**		**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	**2300**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2939	10/29/13	11/04/13 11:13	EPA 218.6	
Copper	**710**	1.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Iron	**2.1**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J3042	10/30/13	10/30/13 19:54	EPA 245.1	
Nickel	**20**	5.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	**990**	1.0	"	"	"	"	"	"	
C-B06-5A-102913 (1310398-04) Liquid	**Sampled: 10/29/13 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	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2939	10/29/13	11/04/13 11:13	EPA 218.6	
Copper	**91**	1.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Iron	**1.1**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J3042	10/30/13	10/30/13 19:54	EPA 245.1	
Nickel	**7.9**	5.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Lead	**12**	1.0	"	"	"	"	"	"	
Zinc	**300**	1.0	"	"	"	"	"	"	

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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-102913 (1310398-05) Liquid	**Sampled: 10/29/13 04:00**		**Received: 10/29/13 13:50**						
Aluminum	**970**	25	µg/L	1	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Copper	**370**	1.0	"	"	"	"	"	"	
Iron	**3.2**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**1200**	1.0	"	"	"	"	"	"	
C-B07-7-102913 (1310398-06) Liquid	**Sampled: 10/29/13 02:55**		**Received: 10/29/13 13:50**						
Aluminum	**2000**	25	µg/L	1	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Copper	**310**	1.0	"	"	"	"	"	"	
Iron	**2.0**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**1000**	1.0	"	"	"	"	"	"	
C-B08-8-102913 (1310398-07) Liquid	**Sampled: 10/29/13 02:40**		**Received: 10/29/13 13:50**						
Aluminum	**42**	25	µg/L	1	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Copper	**64**	1.0	"	"	"	"	"	"	
Iron	**0.061**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**150**	1.0	"	"	"	"	"	"	
C-B09-10B-102913 (1310398-08) Liquid	**Sampled: 10/29/13 03:00**		**Received: 10/29/13 13:50**						
Aluminum	**1400**	25	µg/L	1	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Copper	**68**	1.0	"	"	"	"	"	"	
Iron	**1.7**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**460**	1.0	"	"	"	"	"	"	

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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

Metals by EPA 200 Series Methods

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	"	"	"	"	"	"	
Iron	**0.10**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**120**	1.0	"	"	"	"	"	"	
C-B06-5A-102913-BLK (1310398-10) Liquid Sampled: 10/29/13 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	ND	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2939	10/29/13	11/04/13 11:13	EPA 218.6	
Copper	ND	1.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J3042	10/30/13	10/30/13 19:54	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Lead	ND	1.0	"	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	
C-B08-8-102913-DUP (1310398-11) Liquid Sampled: 10/29/13 02:40 Received: 10/29/13 13:50									
Aluminum	**36**	25	µg/L	1	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Copper	**57**	1.0	"	"	"	"	"	"	
Iron	**0.054**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**130**	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.

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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-102913 (1310398-13) Liquid	**Sampled: 10/29/13 08:57**		**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	**110**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2939	10/29/13	11/04/13 11:13	EPA 218.6	
Copper	**54**	1.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Iron	**0.44**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3J3042	10/30/13	10/30/13 19:54	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3J2949	10/29/13	10/31/13 12:29	EPA 200.8	
Lead	**5.1**	1.0	"	"	"	"	"	"	
Zinc	**240**	1.0	"	"	"	"	"	"	

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

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-102913 (1310398-01) Liquid	**Sampled: 10/29/13 03:30**		**Received: 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	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2940	10/29/13	11/04/13 11:14	EPA 218.6	
Copper	**13**	1.0	µg/L	"	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	ND	5.0	µg/L	"	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**32**	1.0	"	"	"	"	"	"	
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	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2940	10/29/13	11/04/13 11:14	EPA 218.6	
Copper	**790**	1.0	µg/L	"	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	**39**	5.0	µg/L	"	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Lead	**62**	2.0	"	"	"	"	"	"	
Zinc	**590**	1.0	"	"	"	"	"	"	
C-B05-4-102913 (1310398-03) Liquid	**Sampled: 10/29/13 03:45**		**Received: 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	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2940	10/29/13	11/04/13 11:14	EPA 218.6	
Copper	**530**	1.0	µg/L	"	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	**16**	5.0	µg/L	"	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**780**	1.0	"	"	"	"	"	"	

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

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5A-102913 (1310398-04) Liquid	**Sampled: 10/29/13 04:30**		**Received: 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	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2940	10/29/13	11/04/13 11:14	EPA 218.6	
Copper	**71**	1.0	µg/L	"	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	"	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**210**	1.0	"	"	"	"	"	"	
C-B07-6-102913 (1310398-05) Liquid	**Sampled: 10/29/13 04:00**		**Received: 10/29/13 13:50**						
Copper	**200**	1.0	µg/L	1	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Zinc	**940**	1.0	"	"	"	"	"	"	
C-B07-7-102913 (1310398-06) Liquid	**Sampled: 10/29/13 02:55**		**Received: 10/29/13 13:50**						
Copper	**220**	1.0	µg/L	1	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Zinc	**780**	1.0	"	"	"	"	"	"	
C-B08-8-102913 (1310398-07) Liquid	**Sampled: 10/29/13 02:40**		**Received: 10/29/13 13:50**						
Copper	**53**	1.0	µg/L	1	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Zinc	**94**	1.0	"	"	"	"	"	"	
C-B09-10B-102913 (1310398-08) Liquid	**Sampled: 10/29/13 03:00**		**Received: 10/29/13 13:50**						
Copper	**50**	1.0	µg/L	1	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Zinc	**360**	1.0	"	"	"	"	"	"	

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

Metals (Dissolved) by EPA 200 Series Methods

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**						
Copper	**21**	1.0	µg/L	1	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Zinc	**100**	1.0	"	"	"	"	"	"	
C-B08-8-102913-DUP (1310398-11) Liquid	**Sampled: 10/29/13 02:40**		**Received: 10/29/13 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	"	"	"	"	"	"	
S-B06-12-102913 (1310398-13) Liquid	**Sampled: 10/29/13 08:57**		**Received: 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	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3J2940	10/29/13	11/04/13 11:14	EPA 218.6	
Copper	**39**	1.0	µg/L	"	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	ND	5.0	µg/L	"	B3J3045	10/30/13	10/31/13 15:20	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**200**	1.0	"	"	"	"	"	"	

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

Trivalent Chromium by Calculation

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-102913 (1310398-01) Liquid Sampled: 10/29/13 03:30 Received: 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) Liquid Sampled: 10/29/13 03:55 Received: 10/29/13 13:50									
Trivalent Chromium	ND	0.010	mg/L	1	B3J2935	10/29/13	11/04/13 11:17	Calculation	
C-B05-4-102913 (1310398-03) Liquid Sampled: 10/29/13 03:45 Received: 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 (1310398-04) Liquid Sampled: 10/29/13 04:30 Received: 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: 10/29/13 04:30 Received: 10/29/13 13:50									
Trivalent Chromium	ND	0.010	mg/L	1	B3J2935	10/29/13	11/04/13 11:17	Calculation	
S-B06-12-102913 (1310398-13) Liquid Sampled: 10/29/13 08:57 Received: 10/29/13 13:50									
Trivalent Chromium	ND	0.010	mg/L	1	B3J2935	10/29/13	11/04/13 11:17	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	11/14/13 10:56

Trivalent Chromium by Calculation (Dissolved)

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-102913 (1310398-01) Liquid	**Sampled: 10/29/13 03:30**		**Received: 10/29/13 13:50**						
Trivalent Chromium	ND	0.010	mg/L	1	B3J2937	10/29/13	11/04/13 11:17	Calculation	
C-B03-2-102913 (1310398-02) Liquid	**Sampled: 10/29/13 03:55**		**Received: 10/29/13 13:50**						
Trivalent Chromium	ND	0.010	mg/L	1	B3J2937	10/29/13	11/04/13 11:17	Calculation	
C-B05-4-102913 (1310398-03) Liquid	**Sampled: 10/29/13 03:45**		**Received: 10/29/13 13:50**						
Trivalent Chromium	ND	0.010	mg/L	1	B3J2937	10/29/13	11/04/13 11:17	Calculation	
C-B06-5A-102913 (1310398-04) Liquid	**Sampled: 10/29/13 04:30**		**Received: 10/29/13 13:50**						
Trivalent Chromium	ND	0.010	mg/L	1	B3J2937	10/29/13	11/04/13 11:17	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 11:17	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	11/14/13 10:56

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: 10/29/13 03:30**		**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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4′-DDD	ND	0.010	"	"	"	"	"	"	
4,4′-DDE	ND	0.010	"	"	"	"	"	"	
4,4′-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*76.0 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85.2 %*		*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.

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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-102913 (1310398-02) Liquid	**Sampled: 10/29/13 03:55 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*70.8 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*80.4 %*		*42-147*	"	"	"	"	

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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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-102913 (1310398-03) Liquid	**Sampled: 10/29/13 03:45**	**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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*50.0 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*86.8 %*	*42-147*		"	"	"	"	

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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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5A-102913 (1310398-04) Liquid	**Sampled: 10/29/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*70.0 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*90.8 %*		*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.

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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-102913 (1310398-05) Liquid	**Sampled: 10/29/13 04:00**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*64.4 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*74.0 %*	*42-147*		"	"	"	"	
C-B07-7-102913 (1310398-06) Liquid	**Sampled: 10/29/13 02:55**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*79.6 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*61.2 %*	*42-147*		"	"	"	"	
C-B08-8-102913 (1310398-07) Liquid	**Sampled: 10/29/13 02:40**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*80.8 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*66.8 %*	*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 10:56

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B09-10B-102913 (1310398-08) Liquid	**Sampled: 10/29/13 03:00**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.6 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*44.4 %*	*42-147*		"	"	"	"	
C-B12-9A-102913 (1310398-09) Liquid	**Sampled: 10/29/13 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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*42.8 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*58.0 %*	*42-147*		"	"	"	"	
C-B06-5A-102913-BLK (1310398-10) Liquid	**Sampled: 10/29/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4′-DDD	ND	0.010	"	"	"	"	"	"	
4,4′-DDE	ND	0.010	"	"	"	"	"	"	
4,4′-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	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.

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

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5A-102913-BLK (1310398-10) Liquid	**Sampled: 10/29/13 04:30**		**Received: 10/29/13 13:50**						
PCB-1221	ND	0.50	µg/L	1	B3J3128	11/04/13	11/05/13 10:00	EPA 608	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*75.6 %*		*42-147*		"	"	"	
Surrogate: Tetrachloro-meta-xylene		*91.6 %*		*42-147*		"	"	"	
C-B08-8-102913-DUP (1310398-11) Liquid	**Sampled: 10/29/13 02:40**		**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	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*83.2 %*		*42-147*		"	"	"	
Surrogate: Tetrachloro-meta-xylene		*66.8 %*		*42-147*		"	"	"	
S-B06-12-102913 (1310398-14) Liquid	**Sampled: 10/29/13 03:20**		**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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	

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

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

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	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*50.8 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*78.4 %*	*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.

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

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-102913 (1310398-01) Liquid	**Sampled: 10/29/13 03:30**		**Received: 10/29/13 13:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 09:22	EPA 8015B	
Surrogate: o-Terphenyl		*97.6 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*97.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*97.6 %*	*60-175*		"	"	"	"	
C-B03-2-102913 (1310398-02) Liquid	**Sampled: 10/29/13 03:55**		**Received: 10/29/13 13:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 09:34	EPA 8015B	
Surrogate: o-Terphenyl		*81.2 %*	*60-175*		"	"	"	"	
Jet-A	**0.17**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*81.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.25**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*81.2 %*	*60-175*		"	"	"	"	
C-B05-4-102913 (1310398-03) Liquid	**Sampled: 10/29/13 03:45**		**Received: 10/29/13 13:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 09:45	EPA 8015B	
Surrogate: o-Terphenyl		*86.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.15**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.4 %*	*60-175*		"	"	"	"	
C-B06-5A-102913 (1310398-04) Liquid	**Sampled: 10/29/13 04:30**		**Received: 10/29/13 13:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 09:56	EPA 8015B	
Surrogate: o-Terphenyl		*94.0 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*94.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*94.0 %*	*60-175*		"	"	"	"	

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.

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

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-102913 (1310398-05) Liquid	**Sampled: 10/29/13 04:00 Received: 10/29/13 13:50**								
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 10:08	EPA 8015B	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.24**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
C-B07-7-102913 (1310398-06) Liquid	**Sampled: 10/29/13 02:55 Received: 10/29/13 13:50**								
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 10:19	EPA 8015B	
Surrogate: o-Terphenyl		*93.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*93.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.14**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*93.2 %*	*60-175*		"	"	"	"	
C-B08-8-102913 (1310398-07) Liquid	**Sampled: 10/29/13 02:40 Received: 10/29/13 13:50**								
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 10:30	EPA 8015B	
Surrogate: o-Terphenyl		*84.0 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.15**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.0 %*	*60-175*		"	"	"	"	
C-B09-10B-102913 (1310398-08) Liquid	**Sampled: 10/29/13 03:00 Received: 10/29/13 13:50**								
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 10:42	EPA 8015B	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.23**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	

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

Total Petroleum Hydrocarbons (TPH) by GC/FID

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**						
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*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*85.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.18**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*85.2 %*	*60-175*		"	"	"	"	
C-B06-5A-102913-BLK (1310398-10) Liquid	**Sampled: 10/29/13 04:30**		**Received: 10/29/13 13:50**						
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*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*88.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*88.8 %*	*60-175*		"	"	"	"	
C-B08-8-102913-DUP (1310398-11) Liquid	**Sampled: 10/29/13 02:40**		**Received: 10/29/13 13:50**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K0541	10/30/13	11/05/13 11:16	EPA 8015B	
Surrogate: o-Terphenyl		*85.6 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*85.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.13**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*85.6 %*	*60-175*		"	"	"	"	

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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-102913 (1310398-01) Liquid	**Sampled: 10/29/13 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*56.4 %*		*30-115*	"	"	"	"	
C-B03-2-102913 (1310398-02) Liquid	**Sampled: 10/29/13 03:55**		**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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*82.6 %*		*30-115*	"	"	"	"	

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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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-102913 (1310398-03) Liquid Sampled: 10/29/13 03:45 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*53.6 %*	*30-115*		"	"	"	"	
C-B06-5A-102913 (1310398-04) Liquid Sampled: 10/29/13 04:30 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*92.0 %*	*30-115*		"	"	"	"	

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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 Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5A-102913-BLK (1310398-10) Liquid Sampled: 10/29/13 04:30 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*52.8 %*		*30-115*	"	"	"	"	
S-B06-12-102913 (1310398-14) Liquid Sampled: 10/29/13 03:20 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	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*49.2 %*		*30-115*	"	"	"	"	

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.

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

Metals 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
Batch B3J2939 - EPA 200 Series										
Blank (B3J2939-BLK1)				Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	ND	0.0020	mg/L							
LCS (B3J2939-BS1)				Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	0.00277	0.0020	mg/L	0.00300		92.3	85-115			
Matrix Spike (B3J2939-MS1)		**Source: 1310398-01**		Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	0.00301	0.0020	mg/L	0.00300	ND	100	80-120			
Matrix Spike Dup (B3J2939-MSD1)		**Source: 1310398-01**		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	"							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
Blank (B3J2949-BLK2)				Prepared: 10/29/13 Analyzed: 10/31/13						
Aluminum	ND	25	µg/L							
Arsenic	ND	3.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							

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

Metals 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
Batch B3J2949 - EPA 200 Series										
LCS (B3J2949-BS1)				Prepared: 10/29/13 Analyzed: 10/31/13						
Aluminum	97.1	25	µg/L	100		97.1	85-115			
Arsenic	105	3.0	"	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			
Iron	0.104	0.025	mg/L	0.100		104	85-115			
Lead	98.0	1.0	µg/L	100		98.0	85-115			
Nickel	101	5.0	"	100		101	85-115			
Silver	102	1.5	"	100		102	85-115			
Zinc	98.5	1.0	"	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	"	100		110	85-115			
Cadmium	99.4	2.0	"	100		99.4	85-115			
Chromium	100	3.0	"	100		100	85-115			
Copper	96.1	1.0	"	100		96.1	85-115			
Iron	0.103	0.025	mg/L	0.100		103	85-115			
Lead	89.8	1.0	µg/L	100		89.8	85-115			
Nickel	105	5.0	"	100		105	85-115			
Silver	104	1.5	"	100		104	85-115			
Zinc	102	1.0	"	100		102	85-115			
Matrix Spike (B3J2949-MS1)	**Source: 1310398-10**			Prepared: 10/29/13 Analyzed: 10/31/13						
Aluminum	101	25	µg/L	100	ND	101	70-130			
Arsenic	110	3.0	"	100	ND	110	70-130			
Cadmium	104	2.0	"	100	ND	104	70-130			
Chromium	106	3.0	"	100	ND	106	75-130			
Copper	110	1.0	"	100	0.90	109	70-130			
Iron	0.111	0.025	mg/L	0.100	ND	111	70-130			
Lead	98.7	1.0	µg/L	100	0.70	98.0	70-130			
Nickel	106	5.0	"	100	ND	106	70-130			
Silver	106	1.5	"	100	ND	106	70-130			
Zinc	110	1.0	"	100	0.20	110	70-130			

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

Metals 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
Batch B3J2949 - EPA 200 Series										
Matrix Spike (B3J2949-MS2)	**Source: 1310398-11**			Prepared: 10/29/13		Analyzed: 10/31/13				
Aluminum	137	25	µg/L	100	36	101	70-130			
Arsenic	103	3.0	"	100	ND	103	70-130			
Cadmium	102	2.0	"	100	ND	102	70-130			
Chromium	102	3.0	"	100	ND	102	75-130			
Copper	165	1.0	"	100	57	108	70-130			
Iron	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			
Nickel	104	5.0	"	100	3.5	100	70-130			
Silver	102	1.5	"	100	0.30	102	70-130			
Zinc	240	1.0	"	100	130	110	70-130			
Matrix Spike Dup (B3J2949-MSD1)	**Source: 1310398-10**			Prepared: 10/29/13		Analyzed: 10/31/13				
Aluminum	98.4	25	µg/L	100	ND	98.4	70-130	2.61	30	
Arsenic	106	3.0	"	100	ND	106	70-130	3.70	30	
Cadmium	103	2.0	"	100	ND	103	70-130	0.966	30	
Chromium	105	3.0	"	100	ND	105	75-130	0.948	30	
Copper	107	1.0	"	100	0.90	106	70-130	2.76	30	
Iron	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	"	100	ND	105	70-130	0.948	30	
Silver	104	1.5	"	100	ND	104	70-130	1.90	30	
Zinc	101	1.0	"	100	0.20	101	70-130	8.53	30	
Matrix Spike Dup (B3J2949-MSD2)	**Source: 1310398-11**			Prepared: 10/29/13		Analyzed: 10/31/13				
Aluminum	134	25	µg/L	100	36	98.0	70-130	2.21	30	
Arsenic	106	3.0	"	100	ND	106	70-130	2.87	30	
Cadmium	97.9	2.0	"	100	ND	97.9	70-130	4.10	30	
Chromium	103	3.0	"	100	ND	103	75-130	0.976	30	
Copper	163	1.0	"	100	57	106	70-130	1.22	30	
Iron	0.157	0.025	mg/L	0.100	0.054	103	70-130	0.639	30	
Lead	118	1.0	µg/L	100	ND	118	70-130	29.2	30	
Nickel	107	5.0	"	100	3.5	104	70-130	2.84	30	
Silver	102	1.5	"	100	0.30	102	70-130	0.00	30	
Zinc	223	1.0	"	100	130	93.0	70-130	7.34	30	

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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

Metals 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
Batch B3J3042 - EPA 200 Series										
Blank (B3J3042-BLK1)				Prepared & Analyzed: 10/30/13						
Mercury	ND	0.00030	mg/L							
LCS (B3J3042-BS1)				Prepared & Analyzed: 10/30/13						
Mercury	0.00110	0.00030	mg/L	0.00100		110	75-125			
Matrix Spike (B3J3042-MS1)		**Source: 1310398-01**		Prepared & Analyzed: 10/30/13						
Mercury	0.00077	0.00030	mg/L	0.00100	0.00002	75.0	75-125			
Matrix Spike Dup (B3J3042-MSD1)		**Source: 1310398-01**		Prepared & Analyzed: 10/30/13						
Mercury	0.00077	0.00030	mg/L	0.00100	0.00002	75.0	75-125	0.00	20	

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.

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

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
Batch B3J2940 - EPA 200 Series										
Blank (B3J2940-BLK1)				Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	ND	0.0020	mg/L							
LCS (B3J2940-BS1)				Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	0.00298	0.0020	mg/L	0.00300		99.3	85-115			
Matrix Spike (B3J2940-MS1)		**Source: 1310398-01**		Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	0.00301	0.0020	mg/L	0.00300	ND	100	80-120			
Matrix Spike Dup (B3J2940-MSD1)		**Source: 1310398-01**		Prepared: 10/29/13 Analyzed: 11/04/13						
Hexavalent Chromium	0.00302	0.0020	mg/L	0.00300	ND	101	80-120	0.332	20	
Batch B3J3043 - EPA 200 Series										
Blank (B3J3043-BLK1)				Prepared & Analyzed: 10/30/13						
Mercury	ND	0.00073	mg/L							
LCS (B3J3043-BS1)				Prepared & Analyzed: 10/30/13						
Mercury	0.00106	0.00073	mg/L	0.00100		106	80-120			
Matrix Spike (B3J3043-MS1)		**Source: 1310398-01**		Prepared & Analyzed: 10/30/13						
Mercury	0.00085	0.00073	mg/L	0.00100	ND	85.0	80-120			
Matrix Spike Dup (B3J3043-MSD1)		**Source: 1310398-01**		Prepared & Analyzed: 10/30/13						
Mercury	0.00086	0.00073	mg/L	0.00100	ND	86.0	80-120	1.17	20	
Batch B3J3045 - EPA 200 Series										
Blank (B3J3045-BLK1)				Prepared: 10/30/13 Analyzed: 10/31/13						
Arsenic	ND	3.0	µg/L							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Lead	ND	2.0	"							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							

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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

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
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	"	100		99.8	85-115			
Chromium	104	3.0	"	100		104	85-115			
Copper	103	1.0	"	100		103	85-115			
Lead	109	2.0	"	100		109	85-115			
Nickel	98.2	5.0	"	100		98.2	85-115			
Silver	104	1.5	"	100		104	85-115			
Zinc	105	1.0	"	100		105	85-115			
Matrix Spike (B3J3045-MS1)	**Source: 1310398-11**			Prepared: 10/30/13 Analyzed: 10/31/13						
Arsenic	105	3.0	µg/L	100	1.6	103	70-130			
Cadmium	101	2.0	"	100	0.50	100	70-130			
Chromium	102	3.0	"	100	ND	102	70-130			
Copper	158	1.0	"	100	52	106	70-130			
Lead	104	2.0	"	100	ND	104	70-130			
Nickel	103	5.0	"	100	2.1	101	70-130			
Silver	101	1.5	"	100	ND	101	70-130			
Zinc	194	1.0	"	100	100	94.0	70-130			
Matrix Spike Dup (B3J3045-MSD1)	**Source: 1310398-11**			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	"	100	0.50	99.5	70-130	0.995	30	
Chromium	101	3.0	"	100	ND	101	70-130	0.985	30	
Copper	153	1.0	"	100	52	101	70-130	3.22	30	
Lead	99.3	2.0	"	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	"	100	ND	101	70-130	0.00	30	
Zinc	197	1.0	"	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 Funnel										
Blank (B3J3128-BLK1)				Prepared: 11/04/13 Analyzed: 11/05/13						
Aldrin	ND	0.075	µg/L							
PCB-1016	ND	0.50	"							
HCH-alpha	ND	0.010	"							
PCB-1221	ND	0.50	"							
HCH-beta	ND	0.050	"							
PCB-1232	ND	0.50	"							
HCH-delta	ND	0.10	"							
PCB-1242	ND	0.50	"							
HCH-gamma (Lindane)	ND	0.20	"							
PCB-1248	ND	0.50	"							
Chlordane	ND	0.050	"							
PCB-1254	ND	0.50	"							
4,4'-DDD	ND	0.010	"							
PCB-1260	ND	0.50	"							
4,4'-DDE	ND	0.010	"							
4,4'-DDT	ND	0.010	"							
Dieldrin	ND	0.020	"							
Endosulfan I	ND	0.020	"							
Endosulfan II	ND	0.050	"							
Endosulfan sulfate	ND	0.050	"							
Endrin	ND	0.10	"							
Endrin aldehyde	ND	0.050	"							
Heptachlor	ND	0.010	"							
Heptachlor epoxide	ND	0.010	"							
Toxaphene	ND	1.0	"							
PCB-1016	ND	0.50	"							
PCB-1221	ND	0.50	"							
PCB-1232	ND	0.50	"							
PCB-1242	ND	0.50	"							
PCB-1248	ND	0.50	"							
PCB-1254	ND	0.50	"							
PCB-1260	ND	0.50	"							
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*		"	*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.

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	"	0.0800		94.0	80-120			
PCB-1260	ND	0.50	"				80-120			
4,4′-DDT	0.203	0.010	"	0.200		102	80-120			
Dieldrin	0.201	0.020	"	0.200		100	80-120			
Heptachlor	0.0855	0.010	"	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	"	0.0800		119	80-120			
PCB-1260	ND	0.50	"				80-120			
4,4′-DDT	0.221	0.010	"	0.200		110	80-120			
Dieldrin	0.226	0.020	"	0.200		113	80-120			
Heptachlor	0.0748	0.010	"	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	"	0.0800		110	80-120	15.8	30	
PCB-1260	ND	0.50	"				80-120		30	
4,4′-DDT	0.183	0.010	"	0.200		91.5	80-120	10.4	30	
Dieldrin	0.165	0.020	"	0.200		82.5	80-120	19.7	30	
Heptachlor	0.0839	0.010	"	0.0800		105	80-120	1.89	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

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 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							
Jet-A	ND	0.050	"							
Oil Range Organics (C22-C36)	ND	0.050	"							
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: 10/30/13 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	"	0.500		92.4	80-120			
Diesel Range Organics (C10-C24)	0.462	0.050	"	0.500		92.4	80-120			
LCS (B3K0541-BS2)				Prepared: 10/30/13 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	"	0.500		99.6	80-120			
Diesel Range Organics (C10-C24)	0.498	0.050	"	0.500		99.6	80-120			
LCS Dup (B3K0541-BSD1)				Prepared: 10/30/13 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	"	0.500		92.0	80-120	0.434	30	
Diesel Range Organics (C10-C24)	0.460	0.050	"	0.500		92.0	80-120	0.434	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

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										
Blank (B3K0739-BLK1)				Prepared: 11/04/13 Analyzed: 11/11/13						
Naphthalene	ND	0.500	µg/L							
Acenaphthylene	ND	1.00	"							
Acenaphthene	ND	1.00	"							
Fluorene	ND	0.100	"							
Phenanthrene	ND	0.100	"							
Anthracene	ND	0.0500	"							
Fluoranthene	ND	0.100	"							
Pyrene	ND	0.100	"							
Benzo (a) anthracene	ND	0.0500	"							
Chrysene	ND	0.100	"							
Benzo (b) fluoranthene	ND	0.100	"							
Benzo (k) fluoranthene	ND	0.0500	"							
Benzo (a) pyrene	ND	0.0500	"							
Dibenzo(a,h)anthracene	ND	0.100	"							
Benzo (g,h,i) perylene	ND	0.100	"							
Indeno (1,2,3-cd) pyrene	ND	0.100	"							
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	"	0.500		100	60-130			
Pyrene	0.476	0.100	"	0.500		95.2	60-130			
Benzo (a) pyrene	0.490	0.0500	"	0.500		98.0	60-130			
Indeno (1,2,3-cd) pyrene	0.500	0.100	"	0.500		100	60-130			
Surrogate: Decafluorobiphenyl	*4.93*		"	*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	"	0.500		115	60-130			
Pyrene	0.446	0.100	"	0.500		89.2	60-130			
Benzo (a) pyrene	0.487	0.0500	"	0.500		97.4	60-130			
Indeno (1,2,3-cd) pyrene	0.590	0.100	"	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	"	0.500		103	60-130	2.17	30	
Pyrene	0.492	0.100	"	0.500		98.4	60-130	3.31	30	
Benzo (a) pyrene	0.530	0.0500	"	0.500		106	60-130	7.84	30	
Indeno (1,2,3-cd) pyrene	0.510	0.100	"	0.500		102	60-130	1.98	30	
Surrogate: Decafluorobiphenyl	*3.89*		"	*5.00*		*77.8*	*30-115*			

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.

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

Notes and Definitions

D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
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

PTS Laboratories, Inc.

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: N/A
Project Number: 1310398

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

TEST PROGRAM - 20131031

FLUID ID	Date	Time	Fluid Type	Particle Size: Microsize		
Method:				ASTM D4464		
Date Received: 20131031						
S-B06-12-102913 (1310398-12)	20131029	0320	Water	X		
TOTALS:				1		

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

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc.
PTS File No: 43708

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1310398

Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-102913 (1310398-12)	Aqueous	65.391	103.139	96.991	90.094	82.139	71.281	65.391	58.824	45.942	25.479	11.114	5.179

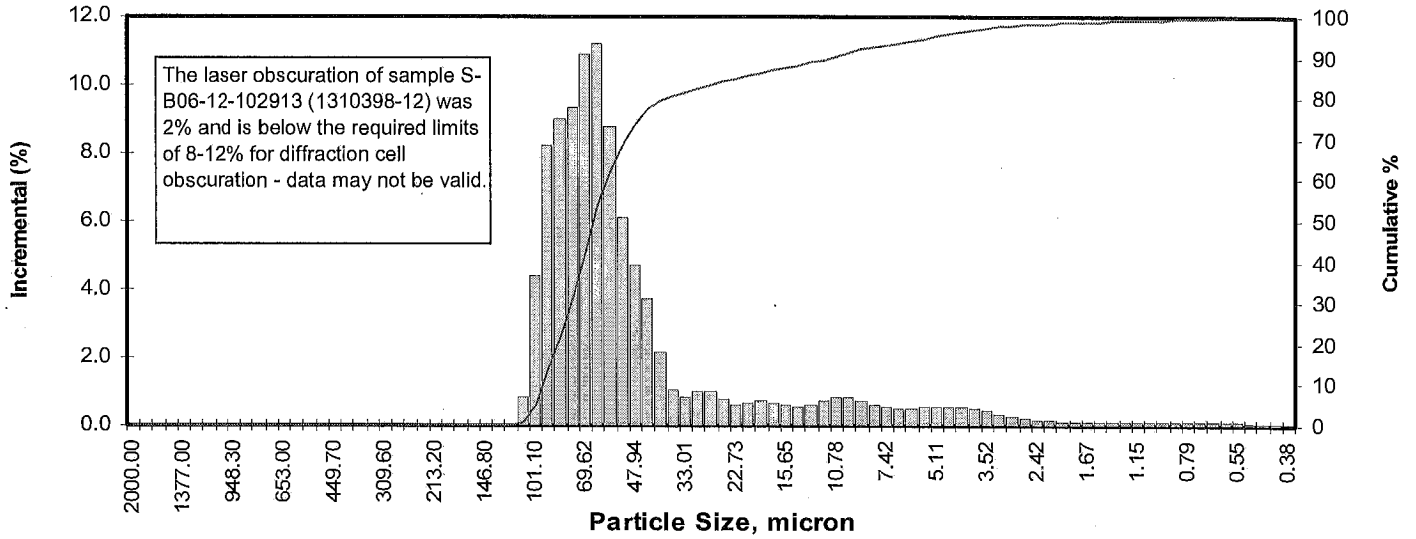
* The laser obscuration of sample S-B06-12-102913 (1310398-12) was 2%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	43708
Project:	N/A	**Sample ID:**	S-B06-12-102913 (1310398-12)
Project No:	1310398	**Matrix:**	Aqueous



Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
2000.00	0.00	0.0
1822.00	0.00	0.0
1660.00	0.00	0.0
1512.00	0.00	0.0
1377.00	0.00	0.0
1255.00	0.00	0.0
1143.00	0.00	0.0
1041.00	0.00	0.0
948.30	0.00	0.0
863.90	0.00	0.0
786.90	0.00	0.0
716.90	0.00	0.0
653.00	0.00	0.0
594.90	0.00	0.0
541.90	0.00	0.0
493.60	0.00	0.0
449.70	0.00	0.0
409.60	0.00	0.0
373.10	0.00	0.0
339.90	0.00	0.0
309.60	0.00	0.0
282.10	0.00	0.0
256.90	0.00	0.0
234.10	0.00	0.0
213.20	0.00	0.0
194.20	0.00	0.0
176.90	0.00	0.0
161.20	0.00	0.0
146.80	0.00	0.0
133.70	0.00	0.0
121.80	0.03	0.0
111.00	0.82	0.8
101.10	4.38	5.2
92.10	8.25	13.5
83.90	9.00	22.5
76.43	9.36	31.8
69.62	10.90	42.7
63.42	11.20	53.9
57.77	8.80	62.7

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	6.13	68.9
47.94	4.74	73.6
43.67	3.72	77.3
39.78	2.19	79.5
36.24	1.08	80.6
33.01	0.86	81.5
30.07	1.02	82.5
27.39	1.02	83.5
24.95	0.80	84.3
22.73	0.63	84.9
20.71	0.66	85.6
18.86	0.73	86.3
17.18	0.68	87.0
15.65	0.59	87.6
14.26	0.56	88.1
12.99	0.63	88.8
11.83	0.75	89.5
10.78	0.83	90.4
9.82	0.82	91.2
8.94	0.74	91.9
8.15	0.63	92.5
7.42	0.54	93.1
6.76	0.50	93.6
6.16	0.50	94.1
5.61	0.53	94.6
5.11	0.56	95.2
4.66	0.57	95.7
4.24	0.54	96.3
3.86	0.49	96.8
3.52	0.42	97.2
3.21	0.34	97.5
2.92	0.26	97.8
2.66	0.20	98.0
2.42	0.16	98.2
2.21	0.14	98.3
2.01	0.13	98.4
1.83	0.12	98.5
1.67	0.12	98.7
1.52	0.12	98.8

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.110	98.9
1.261	0.110	99.0
1.149	0.100	99.1
1.047	0.098	99.2
0.954	0.098	99.3
0.869	0.100	99.4
0.791	0.100	99.5
0.721	0.100	99.6
0.657	0.100	99.7
0.598	0.100	99.8
0.545	0.092	99.9
0.496	0.078	100.0
0.452	0.060	100.0
0.412	0.037	100.1
0.375	0.020	100.1
TOTALS:	**100.09**	**100.1**

Measure	Trask	Inman
Median, mm	0.0654	0.0654
Median, micron	65.391	65.391
Mean, mm	0.0640	0.0479
Mean, micron	64.041	47.911
Sorting	1.3371	0.911
Skewness	0.9394	0.493
Kurtosis	0.2107	1.369

Distribution percent	Cumulative Percent greater than Particle Size	
	Micron	Millimeters
5	103.139	0.1031
10	96.991	0.0970
16	90.094	0.0901
25	82.139	0.0821
40	71.281	0.0713
50	65.391	0.0654
60	58.824	0.0588
75	45.942	0.0459
84	25.479	0.0255
90	11.114	0.0111
95	5.179	0.0052

Phone: (562) 907-3607
Fax: (562) 907-3611

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1310398

43708

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

Turn Around Time Requested: ■ Normal ☐ 24-Hour ☐ 48-Hour ☐ 72-Hour ☐ 4-Day ☐ 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	04/27/14 03:20			

Containers Supplied:
1L Amber (A)

Special Instructions :

☒ Intact ☐ Sample Seals
☒ Properly Labeled ☒ Chilled TEMP (°C) 3.9 °C
☐ Appropriate Container ☐ Preservatives Verified By

Relinquished By	Date / Time	Received By	Date / Time
Brian Monroe	10/31/13 1130		10/31/13 11:30

Certificate of Analysis

Report Date: 11/06/13 12:34
Received Date: 10/31/13 11:50
Turnaround Time: Normal

Project: 1310398

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 **Sample ID: C-B08-8-102913 (1310398-07)** **Matrix:** Water
Sampled by: Client **Sampled: 10/29/13 02:40**

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 ID: S-B06-12-102913 (1310398-12)** **Matrix:** 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 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W3K0115 - EPA 8015B

Blank (W3K0115-BLK1) — **Prepared: 11/04/13 Analyzed: 11/04/13 15:19**

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 (W3K0115-BS1) — **Prepared: 11/04/13 Analyzed: 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) — **Source: 3J31035-01** — **Prepared: 11/04/13 Analyzed: 11/04/13 16:16**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	8.30	120		mg/l	100	111	57-127		

Matrix Spike Dup (W3K0115-MSD1) — **Source: 3J31035-01** — **Prepared: 11/04/13 Analyzed: 11/04/13 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 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

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

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Third Storm Event

SIERRA ANALYTICAL

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,

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.

SIERRA 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 10:47

ANALYTICAL REPORT FOR SAMPLES

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

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

SIERRA 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 10:47

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

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**		**Received: 11/21/13 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	"	"	"	"	11/26/13 17:24	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	11/21/13 17:24	EPA 410.4	
Specific Conductance (EC)	**1.18**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	ND	0.400	mg/L	"	"	"	"	SM 2340 C	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.88**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B01-1A-112113-DUP (1311263-02) Liquid	**Sampled: 11/21/13 05:20**		**Received: 11/21/13 13:26**						
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	"	"	"	"	11/26/13 17:24	EPA 405.1	
Chemical Oxygen Demand	**13.0**	0.100	"	"	"	"	11/21/13 17:24	EPA 410.4	
Specific Conductance (EC)	**184**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**61.6**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.06**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B01-1A-112113 (1311263-03) Liquid	**Sampled: 11/21/13 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	"	"	"	"	11/26/13 17:24	EPA 405.1	
Chemical Oxygen Demand	**12.0**	0.100	"	"	"	"	11/21/13 17:24	EPA 410.4	
Specific Conductance (EC)	**186**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**63.2**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.05**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	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.

SIERRA 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 10:47

Conventional Chemistry Parameters by APHA/EPA Methods

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 Received: 11/21/13 13:26**								
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	"	"	"	"	11/26/13 17:24	EPA 405.1	
Chemical Oxygen Demand	**195**	0.100	"	"	"	"	11/21/13 17:24	EPA 410.4	
Specific Conductance (EC)	**257**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**76.0**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.190**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.65**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**26.0**	1.00	mg/L	"	"	"	"	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

SIERRA 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 10:47

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

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 Received: 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	ND	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3K2209	11/22/13	11/26/13 19:41	EPA 218.6	
Copper	ND	1.0	µg/L	"	B3K2207	11/22/13	11/23/13 14:42	EPA 200.8	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	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	"	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	
C-B01-1A-112113-DUP (1311263-02) Liquid Sampled: 11/21/13 05:20 Received: 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	**92**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
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	"	"	"	"	"	
Mercury	ND	0.00030	"	"	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	"	"	"	"	"	"	
Zinc	**53**	1.0	"	"	"	"	"	"	

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SIERRA 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 10:47

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-112113 (1311263-03) Liquid	**Sampled: 11/21/13 05:20**		**Received: 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	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3K2209	11/22/13	11/26/13 19:41	EPA 218.6	
Copper	**4.7**	1.0	µg/L	"	B3K2207	11/22/13	11/23/13 14:42	EPA 200.8	
Iron	**0.085**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	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	"	"	"	"	"	"	
Zinc	**46**	1.0	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Iron	**3.3**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**700**	1.0	"	"	"	"	"	"	

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SIERRA 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 10:47

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-112113-DUP (1311263-02) Liquid Sampled: 11/21/13 05:20 Received: 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	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
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	"	B3K2208	11/22/13	11/23/13 14:32	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3K2225	11/22/13	11/25/13 18:34	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3K2208	11/22/13	11/23/13 14:32	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**18**	1.0	"	"	"	"	"	"	
C-B01-1A-112113 (1311263-03) Liquid Sampled: 11/21/13 05:20 Received: 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	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
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	"	B3K2208	11/22/13	11/23/13 14:32	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3K2225	11/22/13	11/25/13 18:34	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3K2208	11/22/13	11/23/13 14:32	EPA 200.8	
Lead	ND	2.0	"	"	"	"	"	"	
Zinc	**14**	1.0	"	"	"	"	"	"	
C-B07-6-112113 (1311263-06) Liquid Sampled: 11/21/13 05:40 Received: 11/21/13 13:26									
Copper	**43**	1.0	µg/L	1	B3K2208	11/22/13	11/23/13 14:32	EPA 200.8	
Zinc	**210**	1.0	"	"	"	"	"	"	

SIERRA 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 10:47

Trivalent Chromium by Calculation

Sierra Analytical Labs, Inc.

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 Received: 11/21/13 13:26**								
Trivalent Chromium	ND	0.010	mg/L	1	B3K2211	11/22/13	11/26/13 19:44	Calculation	
C-B01-1A-112113-DUP (1311263-02) Liquid	**Sampled: 11/21/13 05:20 Received: 11/21/13 13:26**								
Trivalent Chromium	ND	0.010	mg/L	1	B3K2211	11/22/13	11/26/13 19:44	Calculation	
C-B01-1A-112113 (1311263-03) Liquid	**Sampled: 11/21/13 05:20 Received: 11/21/13 13:26**								
Trivalent Chromium	ND	0.010	mg/L	1	B3K2211	11/22/13	11/26/13 19:44	Calculation	

SIERRA 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 10:47

Trivalent Chromium by Calculation (Dissolved)

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-112113-DUP (1311263-02) Liquid	**Sampled: 11/21/13 05:20 Received: 11/21/13 13:26**								
Trivalent Chromium	ND	0.010	mg/L	1	B3K2212	11/22/13	11/27/13 11:09	Calculation	
C-B01-1A-112113 (1311263-03) Liquid	**Sampled: 11/21/13 05:20 Received: 11/21/13 13:26**								
Trivalent Chromium	ND	0.010	mg/L	1	B3K2212	11/22/13	11/27/13 11:09	Calculation	

SIERRA 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 10:47

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-112113-DUP (1311263-02) Liquid	**Sampled: 11/21/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*74.4 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*70.4 %*		*42-147*	"	"	"	"	

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SIERRA 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 10:47

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-112113 (1311263-03) Liquid	**Sampled: 11/21/13 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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4´-DDD	ND	0.010	"	"	"	"	"	"	
4,4´-DDE	ND	0.010	"	"	"	"	"	"	
4,4´-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*66.4 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*57.2 %*	*42-147*		"	"	"	"	

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SIERRA 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 10:47

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**	**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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4'-DDD	ND	0.010	"	"	"	"	"	"	
4,4'-DDE	ND	0.010	"	"	"	"	"	"	
4,4'-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*56.4 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*58.8 %*		*42-147*	"	"	"	"	

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SIERRA 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 10:47

Organochlorine Pesticides and PCBs by EPA Method 608

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-112113 (1311263-05) Liquid	**Sampled: 11/21/13 05:51**	**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	"	"	"	"	"	"	
HCH-beta	ND	0.050	"	"	"	"	"	"	
HCH-delta	ND	0.10	"	"	"	"	"	"	
HCH-gamma (Lindane)	ND	0.20	"	"	"	"	"	"	
Chlordane	ND	0.050	"	"	"	"	"	"	
4,4′-DDD	ND	0.010	"	"	"	"	"	"	
4,4′-DDE	ND	0.010	"	"	"	"	"	"	
4,4′-DDT	ND	0.010	"	"	"	"	"	"	
Dieldrin	ND	0.020	"	"	"	"	"	"	
Endosulfan I	ND	0.020	"	"	"	"	"	"	
Endosulfan II	ND	0.050	"	"	"	"	"	"	
Endosulfan sulfate	ND	0.050	"	"	"	"	"	"	
Endrin	ND	0.10	"	"	"	"	"	"	
Endrin aldehyde	ND	0.050	"	"	"	"	"	"	
Heptachlor	ND	0.010	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.010	"	"	"	"	"	"	
Toxaphene	ND	1.0	"	"	"	"	"	"	
PCB-1016	ND	0.50	"	"	"	"	"	"	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*52.8 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63.2 %*	*42-147*		"	"	"	"	

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SIERRA 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 10:47

Organochlorine Pesticides and PCBs by EPA Method 608

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**		**Received: 11/21/13 13:26**						
PCB-1016	ND	0.50	µg/L	1	B3L0227	11/27/13	12/02/13 15:00	EPA 608	
PCB-1221	ND	0.50	"	"	"	"	"	"	
PCB-1232	ND	0.50	"	"	"	"	"	"	
PCB-1242	ND	0.50	"	"	"	"	"	"	
PCB-1248	ND	0.50	"	"	"	"	"	"	
PCB-1254	ND	0.50	"	"	"	"	"	"	
PCB-1260	ND	0.50	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*53.2 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*57.6 %*		*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.

SIERRA 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 10:47

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-112113-DUP (1311263-02) Liquid Sampled: 11/21/13 05:20 Received: 11/21/13 13:26									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K2703	11/25/13	11/27/13 16:25	EPA 8015B	
Surrogate: o-Terphenyl		*80.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.4 %*	*60-175*		"	"	"	"	
C-B01-1A-112113 (1311263-03) Liquid Sampled: 11/21/13 05:20 Received: 11/21/13 13:26									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K2703	11/25/13	11/27/13 11:39	EPA 8015B	
Surrogate: o-Terphenyl		*77.6 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*77.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*77.6 %*	*60-175*		"	"	"	"	
C-B05-4-112113 (1311263-04) Liquid Sampled: 11/21/13 05:30 Received: 11/21/13 13:26									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K2703	11/25/13	11/27/13 11:51	EPA 8015B	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	
C-B07-6-112113 (1311263-06) Liquid Sampled: 11/21/13 05:40 Received: 11/21/13 13:26									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B3K2703	11/25/13	11/27/13 12:02	EPA 8015B	
Surrogate: o-Terphenyl		*86.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.8 %*	*60-175*		"	"	"	"	

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SIERRA 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 10:47

Polynuclear Aromatic Compounds by EPA Method 8310

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-112113-DUP (1311263-02) Liquid	**Sampled: 11/21/13 05:20**		**Received: 11/21/13 13:26**						
Naphthalene	ND	0.500	µg/L	1	B3L0229	11/27/13	12/02/13 14:16	EPA 8310	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*57.6 %*	*30-115*		"	"	"	"	
C-B01-1A-112113 (1311263-03) Liquid	**Sampled: 11/21/13 05:20**		**Received: 11/21/13 13:26**						
Naphthalene	ND	0.500	µg/L	1	B3L0229	11/27/13	12/02/13 14:16	EPA 8310	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*59.2 %*	*30-115*		"	"	"	"	

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SIERRA 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 10:47

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 Received: 11/21/13 13:26									
Naphthalene	ND	0.500	µg/L	1	B3L0229	11/27/13	12/02/13 14:16	EPA 8310	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*66.0 %*		*30-115*	"	"	"	"	
S-B06-12-112113 (1311263-05) Liquid Sampled: 11/21/13 05:51 Received: 11/21/13 13:26									
Naphthalene	ND	0.500	µg/L	1	B3L0229	11/27/13	12/02/13 14:16	EPA 8310	
Acenaphthylene	ND	1.00	"	"	"	"	"	"	
Acenaphthene	ND	1.00	"	"	"	"	"	"	
Fluorene	ND	0.100	"	"	"	"	"	"	
Phenanthrene	ND	0.100	"	"	"	"	"	"	
Anthracene	ND	0.0500	"	"	"	"	"	"	
Fluoranthene	ND	0.100	"	"	"	"	"	"	
Pyrene	ND	0.100	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	
Chrysene	ND	0.100	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.100	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	
Dibenzo(a,h)anthracene	ND	0.100	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.100	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.100	"	"	"	"	"	"	
Surrogate: Decafluorobiphenyl		*60.4 %*		*30-115*	"	"	"	"	

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SIERRA 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 10:47

Metals 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
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	"							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
Blank (B3K2207-BLK2)				Prepared: 11/22/13 Analyzed: 11/23/13						
Aluminum	ND	25	µg/L							
Arsenic	ND	3.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
LCS (B3K2207-BS1)				Prepared: 11/22/13 Analyzed: 11/23/13						
Aluminum	111	25	µg/L	100		111	85-115			
Arsenic	101	3.0	"	100		101	85-115			
Cadmium	99.2	2.0	"	100		99.2	85-115			
Chromium	104	3.0	"	100		104	85-115			
Copper	102	1.0	"	100		102	85-115			
Iron	0.104	0.025	mg/L	0.100		104	85-115			
Lead	92.4	1.0	µg/L	100		92.4	85-115			
Nickel	102	5.0	"	100		102	85-115			
Silver	97.8	1.5	"	100		97.8	85-115			
Zinc	97.1	1.0	"	100		97.1	85-115			

SIERRA 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 10:47

Metals 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
Batch B3K2207 - EPA 200 Series										
LCS (B3K2207-BS2)				Prepared: 11/22/13 Analyzed: 11/23/13						
Aluminum	108	25	µg/L	100		108	85-115			
Arsenic	106	3.0	"	100		106	85-115			
Cadmium	97.1	2.0	"	100		97.1	85-115			
Chromium	103	3.0	"	100		103	85-115			
Copper	100	1.0	"	100		100	85-115			
Iron	0.102	0.025	mg/L	0.100		102	85-115			
Lead	87.8	1.0	µg/L	100		87.8	85-115			
Nickel	89.3	5.0	"	100		89.3	85-115			
Silver	96.2	1.5	"	100		96.2	85-115			
Zinc	96.5	1.0	"	100		96.5	85-115			
Matrix Spike (B3K2207-MS1)	**Source: 1311263-01**			Prepared: 11/22/13 Analyzed: 11/23/13						
Aluminum	96.0	25	µg/L	100	ND	96.0	70-130			
Arsenic	104	3.0	"	100	ND	104	70-130			
Cadmium	99.8	2.0	"	100	ND	99.8	70-130			
Chromium	98.6	3.0	"	100	ND	98.6	75-130			
Copper	104	1.0	"	100	0.30	104	70-130			
Iron	0.107	0.025	mg/L	0.100	ND	107	70-130			
Lead	89.3	1.0	µg/L	100	ND	89.3	70-130			
Nickel	102	5.0	"	100	ND	102	70-130			
Silver	101	1.5	"	100	0.70	100	70-130			
Zinc	85.9	1.0	"	100	ND	85.9	70-130			
Matrix Spike (B3K2207-MS2)	**Source: 1311262-05**			Prepared: 11/22/13 Analyzed: 11/23/13						
Aluminum	124	25	µg/L	100	40	84.0	70-130			
Arsenic	104	3.0	"	100	ND	104	70-130			
Cadmium	98.4	2.0	"	100	ND	98.4	70-130			
Chromium	97.0	3.0	"	100	ND	97.0	75-130			
Copper	117	1.0	"	100	ND	117	70-130			
Iron	0.160	0.025	mg/L	0.100	0.088	72.0	70-130			
Lead	83.7	1.0	µg/L	100	ND	83.7	70-130			
Nickel	98.0	5.0	"	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			

SIERRA 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 10:47

Metals 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
Batch B3K2207 - EPA 200 Series										
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	"	100	ND	84.6	70-130	20.6	30	
Cadmium	100	2.0	"	100	ND	100	70-130	0.200	30	
Chromium	104	3.0	"	100	ND	104	75-130	5.33	30	
Copper	107	1.0	"	100	0.30	107	70-130	2.84	30	
Iron	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	"	100	ND	103	70-130	0.976	30	
Silver	100	1.5	"	100	0.70	99.3	70-130	0.995	30	
Zinc	104	1.0	"	100	ND	104	70-130	19.1	30	
Matrix Spike Dup (B3K2207-MSD2)	**Source: 1311262-05**			Prepared: 11/22/13 Analyzed: 11/23/13						
Aluminum	112	25	µg/L	100	40	72.0	70-130	10.2	30	
Arsenic	104	3.0	"	100	ND	104	70-130	0.00	30	
Cadmium	99.7	2.0	"	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	"	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	"	100	0.90	104	70-130	6.90	30	
Silver	102	1.5	"	100	0.60	101	70-130	1.94	30	
Zinc	137	1.0	"	100	55	82.0	70-130	0.727	30	
Batch B3K2209 - EPA 200 Series										
Blank (B3K2209-BLK1)				Prepared: 11/22/13 Analyzed: 11/26/13						
Hexavalent Chromium	ND	0.0020	mg/L							

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SIERRA 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 10:47

Metals 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
Batch B3K2209 - EPA 200 Series										
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)		**Source: 1311263-01**		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)		**Source: 1311262-05**		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)		**Source: 1311263-01**		Prepared: 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	
Matrix Spike Dup (B3K2209-MSD2)		**Source: 1311262-05**		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 B3K2224 - EPA 200 Series										
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							

SIERRA 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 10:47

Metals 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
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	mg/L	0.00100		82.0	75-125			
Matrix Spike (B3K2224-MS1)		**Source: 1311261-01**		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)		**Source: 1311262-11**		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)		**Source: 1311261-01**		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)		**Source: 1311262-11**		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	

SIERRA 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 10:47

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
Batch B3K2208 - EPA 200 Series										
Blank (B3K2208-BLK1)				Prepared: 11/22/13 Analyzed: 11/23/13						
Arsenic	ND	3.0	µg/L							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Lead	ND	2.0	"							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
LCS (B3K2208-BS1)				Prepared: 11/22/13 Analyzed: 11/23/13						
Arsenic	85.8	3.0	µg/L	100		85.8	85-115			
Cadmium	102	2.0	"	100		102	85-115			
Chromium	108	3.0	"	100		108	85-115			
Copper	110	1.0	"	100		110	85-115			
Lead	85.1	2.0	"	100		85.1	85-115			
Nickel	99.0	5.0	"	100		99.0	85-115			
Silver	110	1.5	"	100		110	85-115			
Zinc	95.9	1.0	"	100		95.9	85-115			
Matrix Spike (B3K2208-MS1)	**Source: 1311263-02**			Prepared: 11/22/13 Analyzed: 11/23/13						
Arsenic	83.3	3.0	µg/L	100	ND	83.3	70-130			
Cadmium	97.8	2.0	"	100	ND	97.8	70-130			
Chromium	102	3.0	"	100	ND	102	70-130			
Copper	113	1.0	"	100	3.5	110	70-130			
Lead	94.5	2.0	"	100	ND	94.5	70-130			
Nickel	102	5.0	"	100	ND	102	70-130			
Silver	98.8	1.5	"	100	ND	98.8	70-130			
Zinc	124	1.0	"	100	18	106	70-130			

SIERRA 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 10:47

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
Batch B3K2208 - EPA 200 Series										
Matrix Spike Dup (B3K2208-MSD1)	**Source: 1311263-02**			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	"	100	ND	101	70-130	0.985	30	
Copper	108	1.0	"	100	3.5	104	70-130	4.52	30	
Lead	82.5	2.0	"	100	ND	82.5	70-130	13.6	30	
Nickel	105	5.0	"	100	ND	105	70-130	2.90	30	
Silver	97.1	1.5	"	100	ND	97.1	70-130	1.74	30	
Zinc	114	1.0	"	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)	**Source: 1311263-02**			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)	**Source: 1311263-02**			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 B3K2225 - EPA 200 Series										
Blank (B3K2225-BLK1)				Prepared: 11/22/13 Analyzed: 11/25/13						
Mercury	ND	0.00073	mg/L							

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.

SIERRA 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 10:47

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
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)		**Source: 1311263-02**		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)		**Source: 1311263-02**		Prepared: 11/22/13 Analyzed: 11/25/13						
Mercury	0.00102	0.00073	mg/L	0.00100	ND	102	80-120	2.90	20	

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.

SIERRA 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 10:47

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 Funnel										
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	"							
HCH-beta	ND	0.050	"							
PCB-1232	ND	0.50	"							
HCH-delta	ND	0.10	"							
PCB-1242	ND	0.50	"							
HCH-gamma (Lindane)	ND	0.20	"							
PCB-1248	ND	0.50	"							
Chlordane	ND	0.050	"							
PCB-1254	ND	0.50	"							
4,4'-DDD	ND	0.010	"							
PCB-1260	ND	0.50	"							
4,4'-DDE	ND	0.010	"							
4,4'-DDT	ND	0.010	"							
Dieldrin	ND	0.020	"							
Endosulfan I	ND	0.020	"							
Endosulfan II	ND	0.050	"							
Endosulfan sulfate	ND	0.050	"							
Endrin	ND	0.10	"							
Endrin aldehyde	ND	0.050	"							
Heptachlor	ND	0.010	"							
Heptachlor epoxide	ND	0.010	"							
Toxaphene	ND	1.0	"							
PCB-1016	ND	0.50	"							
PCB-1221	ND	0.50	"							
PCB-1232	ND	0.50	"							
PCB-1242	ND	0.50	"							
PCB-1248	ND	0.50	"							
PCB-1254	ND	0.50	"							
PCB-1260	ND	0.50	"							
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.

SIERRA 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 10:47

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 Funnel										
LCS (B3L0227-BS1)				Prepared: 11/27/13 Analyzed: 12/02/13						
Aldrin	0.0897	0.075	µg/L	0.0800		112	80-120			
HCH-gamma (Lindane)	0.0766	0.20	"	0.0800		95.8	80-120			
PCB-1260	2.15	0.50	"	2.00		108	80-120			
4,4'-DDT	0.213	0.010	"	0.200		106	80-120			
Dieldrin	0.196	0.020	"	0.200		98.0	80-120			
Heptachlor	0.0878	0.010	"	0.0800		110	80-120			
LCS (B3L0227-BS2)				Prepared: 11/27/13 Analyzed: 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	"	0.200		87.5	80-120			
Dieldrin	0.186	0.020	"	0.200		93.0	80-120			
Heptachlor	0.0701	0.010	"	0.0800		87.6	80-120			
LCS Dup (B3L0227-BSD1)				Prepared: 11/27/13 Analyzed: 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	"	0.0800		94.1	80-120	1.71	30	
PCB-1260	2.21	0.50	"	2.00		110	80-120	2.75	30	
4,4'-DDT	0.167	0.010	"	0.200		83.5	80-120	24.2	30	
Dieldrin	0.173	0.020	"	0.200		86.5	80-120	12.5	30	
Heptachlor	0.0852	0.010	"	0.0800		106	80-120	3.01	30	

SIERRA 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 10:47

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	"							
Oil Range Organics (C22-C36)	ND	0.050	"							
Surrogate: o-Terphenyl	*0.0198*		"	*0.0250*		*79.2*	*60-175*			
Surrogate: o-Terphenyl	*0.0198*		"	*0.0250*		*79.2*	*60-175*			
Surrogate: o-Terphenyl	*0.0198*		"	*0.0250*		*79.2*	*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	"	0.500		103	80-120			
Diesel Range Organics (C10-C24)	0.515	0.050	"	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	"	0.500		91.2	80-120			
Diesel Range Organics (C10-C24)	0.456	0.050	"	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	"	0.500		94.4	80-120	8.71	30	
Diesel Range Organics (C10-C24)	0.472	0.050	"	0.500		94.4	80-120	8.71	30	

SIERRA 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 10:47

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 Funnel										
Blank (B3L0229-BLK1)				Prepared: 11/27/13 Analyzed: 12/02/13						
Naphthalene	ND	0.500	µg/L							
Acenaphthylene	ND	1.00	"							
Acenaphthene	ND	1.00	"							
Fluorene	ND	0.100	"							
Phenanthrene	ND	0.100	"							
Anthracene	ND	0.0500	"							
Fluoranthene	ND	0.100	"							
Pyrene	ND	0.100	"							
Benzo (a) anthracene	ND	0.0500	"							
Chrysene	ND	0.100	"							
Benzo (b) fluoranthene	ND	0.100	"							
Benzo (k) fluoranthene	ND	0.0500	"							
Benzo (a) pyrene	ND	0.0500	"							
Dibenzo(a,h)anthracene	ND	0.100	"							
Benzo (g,h,i) perylene	ND	0.100	"							
Indeno (1,2,3-cd) pyrene	ND	0.100	"							
Surrogate: Decafluorobiphenyl	*1.44*		"	*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	"	0.500		95.8	60-130			
Pyrene	0.338	0.100	"	0.500		67.6	60-130			
Benzo (a) pyrene	0.454	0.0500	"	0.500		90.8	60-130			
Indeno (1,2,3-cd) pyrene	0.391	0.100	"	0.500		78.2	60-130			
Surrogate: Decafluorobiphenyl	*1.21*		"	*2.50*		*48.4*	*30-115*			
Matrix Spike (B3L0229-MS1)	**Source: 1311263-02**			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	"	0.500	ND	82.2	60-140			
Pyrene	0.575	0.100	"	0.500	ND	115	60-140			
Benzo (a) pyrene	0.559	0.0500	"	0.500	ND	112	60-140			
Indeno (1,2,3-cd) pyrene	0.439	0.100	"	0.500	ND	87.8	60-140			
Surrogate: Decafluorobiphenyl	*2.31*		"	*2.50*		*92.4*	*30-115*			

SIERRA 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 10:47

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 Funnel										
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	"	0.500	ND	93.8	60-140	17.5	20	
Indeno (1,2,3-cd) pyrene	0.469	0.100	"	0.500	ND	93.8	60-140	6.61	20	
Surrogate: Decafluorobiphenyl	*1.59*		*"*	*2.50*		*63.6*	*30-115*			

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.

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

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

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.

Certificate of Analysis

Report Date: 12/03/13 17:58
Received Date: 11/25/13 12:40
Turnaround Time: Normal

Project: 1311263

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 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 **Sample ID: S-B06-12-112113 (1311263-05)** **Matrix:** Water
Sampled by: Client **Sampled: 11/21/13 05:51**

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 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W3K1179 - EPA 8015B

Blank (W3K1179-BLK1) — **Prepared: 11/26/13 Analyzed: 11/26/13 15:34**

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 (W3K1179-BS1) — **Prepared: 11/26/13 Analyzed: 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) — **Source: 3K25022-01** — **Prepared: 11/26/13 Analyzed: 11/26/13 16:31**

Analyte	Sample Result	QC Result	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) — **Source: 3K25022-01** — **Prepared: 11/26/13 Analyzed: 11/26/13 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 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
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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

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

PTS
Laboratories, Inc.

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

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 Analytical Labs, Inc.
PTS File No: 43797

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1311263

Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	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

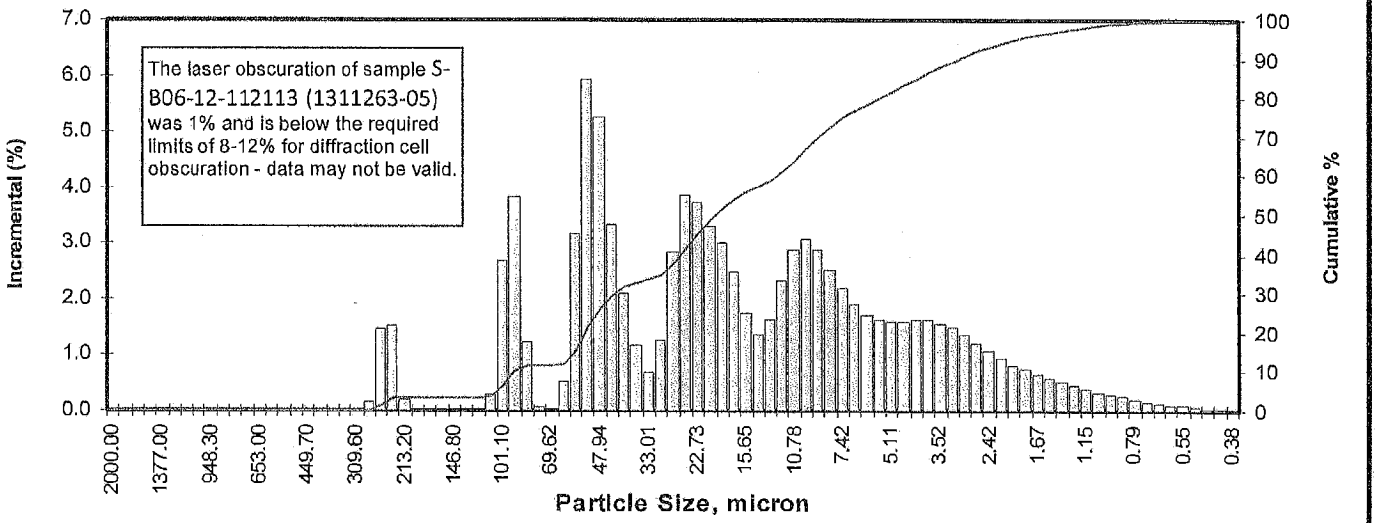
* The laser obscuration of sample S-B06-12-112113 (1311263-05) was 1%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	43797
Project:	N/A	**Sample ID:**	S-B06-12-112113 (1311263-05)
Project No:	1311263	**Matrix:**	Aqueous



Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
2000.00	0.00	0.0
1822.00	0.00	0.0
1660.00	0.00	0.0
1512.00	0.00	0.0
1377.00	0.00	0.0
1255.00	0.00	0.0
1143.00	0.00	0.0
1041.00	0.00	0.0
948.30	0.00	0.0
863.90	0.00	0.0
786.90	0.00	0.0
716.90	0.00	0.0
653.00	0.00	0.0
594.90	0.00	0.0
541.90	0.00	0.0
493.60	0.00	0.0
449.70	0.00	0.0
409.60	0.00	0.0
373.10	0.00	0.0
339.90	0.00	0.0
309.60	0.00	0.0
282.10	0.15	0.2
256.90	1.45	1.6
234.10	1.51	3.1
213.20	0.18	3.3
194.20	0.00	3.3
176.90	0.00	3.3
161.20	0.00	3.3
146.80	0.00	3.3
133.70	0.00	3.3
121.80	0.00	3.3
111.00	0.28	3.6
101.10	2.70	6.3
92.10	3.84	10.1
83.90	1.24	11.4
76.43	0.07	11.4
69.62	0.01	11.4
63.42	0.52	12.0
57.77	3.18	15.1

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	5.94	21.1
47.94	5.26	26.3
43.67	3.33	29.7
39.78	2.12	31.8
36.24	1.17	33.0
33.01	0.67	33.6
30.07	1.25	34.9
27.39	2.86	37.7
24.95	3.87	41.6
22.73	3.73	45.3
20.71	3.32	48.7
18.86	3.01	51.7
17.18	2.48	54.1
15.65	1.75	55.9
14.26	1.37	57.3
12.99	1.63	58.9
11.83	2.32	61.2
10.78	2.90	64.1
9.82	3.07	67.2
8.94	2.89	70.1
8.15	2.54	72.6
7.42	2.19	74.8
6.76	1.91	76.7
6.16	1.72	78.4
5.61	1.62	80.1
5.11	1.59	81.6
4.66	1.60	83.2
4.24	1.62	84.9
3.86	1.62	86.5
3.52	1.57	88.1
3.21	1.48	89.5
2.92	1.36	90.9
2.66	1.21	92.1
2.42	1.07	93.2
2.21	0.94	94.1
2.01	0.82	94.9
1.83	0.73	95.7
1.67	0.65	96.3
1.52	0.58	96.9

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.520	97.4
1.261	0.460	97.9
1.149	0.400	98.3
1.047	0.340	98.6
0.954	0.290	98.9
0.869	0.250	99.2
0.791	0.200	99.4
0.721	0.170	99.5
0.657	0.140	99.7
0.598	0.110	99.8
0.545	0.087	99.9
0.496	0.066	99.9
0.452	0.046	100.0
0.412	0.026	100.0
0.375	0.014	100.0
TOTALS:	**100.01**	**100.0**

Measure	Trask	Inman
Median, mm	0.0198	0.0198
Median, micron	19.829	19.829
Mean, mm	0.0278	0.0159
Mean, micron	27.842	15.919
Sorting	2.5787	1.871
Skewness	0.9466	0.169
Kurtosis	0.2352	0.538

Cumulative Percent greater than		
Distribution percent	Particle Size	
	Micron	Millimeters
5	106.853	0.1069
10	90.275	0.0903
16	58.246	0.0582
25	48.405	0.0484
40	26.217	0.0262
50	19.829	0.0198
60	12.922	0.0129
75	7.279	0.0073
84	4.351	0.0044
90	2.830	0.0028
95	1.977	0.0020

Phone: (562) 907-3607
Fax: (562) 907-3611

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1311263

43797

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

Turn Around Time Requested: ☒ Normal ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 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-B06-12-112113 (1311263-05)	Liquid	11/21/13 05:51	[redacted]	
Full Particle Sizing	05/20/14 05:51			

Containers Supplied:
1L Amber (C)

Special Instructions :

[redacted]

Relinquished By	Date / Time	Received By	Date / Time
[signature]	11-25-13 @ 13:15	[signature]	11/25/13 12:15

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc.
PTS File No: 43797

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1311263

Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	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

* 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

#131263

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

	SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
01	C-B-07-6-112113 BLK	11/21/13	0540	pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr III, Cr VI, Fe, Pb, Hg, Ni, Ag, Zn), BOD, COD, ammonia, MBAS,	0.5 Gallon Plastic	4°C	1
02	C-B-01-1A-112113 DUP	11/21/13	0520	pH, SC, TSS, total hardness, total (Al, 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, ammonia, MBAS,	0.5 Gallon Plastic	4°C	2
03	C-B01-1A 112113	11/21/13	0520	Oil & Grease	1L Clear Glass	4°C	1
	C-B01-1A 112113	11/21/13	0520	PAHs	1L Amber Glass	4°C	1
	C-B01-1A 112113	11/21/13	0520	PCB, Chlordane	1L Amber Glass	4°C	1

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13, 1326 Received By: [signature] Date/Time: 112113 @ 13:26

Relinquished By: ______ Date/Time: ______ Received By: ______ Date/Time: ______

#13C063

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
03 C-B01-1A 112113	11/21/13	0520	pH, SC, TSS, total hardness, total (Al, 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, ammonia, MBAS,	0.5 Gallon Plastic	4°C	2
C-B01-1A 112113	11/21/13	0520	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
C-B03-2			Oil & Grease	1L Clear Glass	4°C	
C-B03-2			PAHs	1L Amber Glass	4°C	
C-B03-2			PCB, Chlordane	1L Amber Glass	4°C	

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13; 13:26 Received By: [signature] Date/Time: 11-21-13 @ 1326

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
~~C-B03-2~~			~~pH, SC, TSS, total hardness, total (Al, 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, ammonia, MBAS,~~	0.5 Gallon Plastic	4°C	
~~C-B03-2~~			~~TPH (Jet fuel, diesel, motor oil)~~	~~1L Amber Glass~~	~~4°C~~	
~~C-B05-4~~			~~Oil & Grease~~	~~1L Clear Glass~~	~~4°C~~	
C-B05-4	11/21/13	0530	PAHs	1L Amber Glass	4°C	1
C-B05-4	11/21/13	0530	PCB, Chlordane	1L Amber Glass	4°C	1

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13; 13:26 Received By: [signature] Date/Time: 11-22-13 @ 0826

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

#13C363

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
C-B05-4			pH, SC, TSS, total hardness, total (Al, 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, ammonia, MBAS,	0.5 Gallon Plastic	4°C	
04 C-B05-4	11213	11/21/13	0530 TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
C-B06-5A			Oil & Grease	1L Clear Glass	4°C	
C-B06-5A	11213	11/21/13	0530 PAHs	1L Amber Glass	4°C	1
C-B06-5A	11213	11/21/13	0530 PCB, Chlordane	1L Amber Glass	4°C	1

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13; 13:26 Received By: [signature] Date/Time: 11-21-13 @ 1326

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

1K 13K263

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
~~S-B-BLK~~			~~pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr III,Cr VI, Fe, Pb, Hg, Ni, Ag, Zn), BOD, COD, O&G~~	~~1gL~~	~~4°C~~	
~~S-B06-12~~			~~pH, SC, TSS, total hardness, total (Al, 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,~~	~~1gl~~	~~4°C~~	
05 S-B06-12 11213	11/21/13	0551	PAHs	1L Amber Glass	4°C	1
↓ S-B06-12 11213 ~~HH2~~	11/21/13	0551	PCB, Chlordane	1L Amber Glass	4°C	1

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13, 13:26 Received By: [illegible] Date/Time: 11-21-13 @ 13:26

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

#311363

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
05 S-B06-12 112113	11/21/13	0551	Particle Size Distribution	1L Amber Glass	4°C	1
↓ S-B06-12 112113	11/21/13	0551	Ethylene glycol	40 mL Vial	4°C	2

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13; 13:26 Received By: [signature] Date/Time: 11-22-13 @ 07:32

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

#13C0363

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
~~C-B07-6~~			Oil & Grease	1L Clear Glass	4°C	
OC C-B07-6 11213	11/21/13	0540	PCB	1L Amber Glass	4°C	1
C-B07-6 11213	11/21/13	0540	pH, SC, TSS, total hardness, total (Al, Cu, Fe, Pb,Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS	0.5 Gallon Plastic	4°C	2
C-B07-6 11213	11/21/13	0540	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
C-B07-6 11213	11/21/13	0540	Oil & Grease	1L Clear Glass	4°C	1

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13; 13:26 Received By: [illegible] Date/Time: 11-21-13 @ 13:26

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

#13126

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
~~C-B12-9A~~			TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	
	Date	Time				
22 C-B-01-1A-112113 DUP	11/21/13	0520	PCB, chlordane	1 amber glass		1 bottle
1 C-B-01-1A-112113 DUP	11/21/13	0520	oil and Grease	1 clear glass		1 bottle
C-B-01-1A-112113 DUP	11/21/13	0520	PAH	1 amber glass		1 bottle
C-B-01-1A-112113 DUP	11/21/13	0520	TPH (Jet fuel, diesel, motor oil)	1 amber glass		1 bottle

Sampler's Initials: AC, AW

Relinquished By: Anna Wernet Date/Time: 11/21/13; 13:26 Received By: [signature] Date/Time: 11/21/13 @ 13:26

Relinquished By: _____ Date/Time: _____ Received By: _____ Date/Time: _____

SIERRA ANALYTICAL

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,

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.

SIERRA 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

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.

SIERRA 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

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	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	"	"	"	"	11/22/13 17:45	EPA 410.4	
Specific Conductance (EC)	**128**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Total Hardness	**41.6**	0.400	mg/L	"	"	"	"	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
pH	**6.86**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA 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

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	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**						
Silver	ND	1.5	µg/L	1	B3K2518	11/25/13	11/25/13 19:52	EPA 200.8	
Aluminum	**240**	25	"	"	"	"	"	"	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	ND	3.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3K2209	11/22/13	11/26/13 19:41	EPA 218.6	
Copper	**22**	1.0	µg/L	"	B3K2518	11/25/13	11/25/13 19:52	EPA 200.8	
Iron	**0.15**	0.025	mg/L	"	"	"	"	"	
Mercury	ND	0.00030	"	"	B3K2521	11/25/13	11/25/13 18:36	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3K2518	11/25/13	11/25/13 19:52	EPA 200.8	
Lead	**7.3**	1.0	"	"	"	"	"	"	
Zinc	**12**	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.

SIERRA 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

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	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**						
Silver	ND	1.5	µg/L	1	B3K2519	11/25/13	11/25/13 19:59	EPA 200.8	
Arsenic	ND	3.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Hexavalent Chromium	ND	0.0020	mg/L	"	B3K2210	11/22/13	11/27/13 11:06	EPA 218.6	
Copper	**16**	1.0	µg/L	"	B3K2519	11/25/13	11/25/13 19:59	EPA 200.8	
Mercury	ND	0.00073	mg/L	"	B3K2520	11/25/13	11/25/13 18:35	EPA 245.1	
Nickel	ND	5.0	µg/L	"	B3K2519	11/25/13	11/25/13 19:59	EPA 200.8	
Lead	**6.9**	2.0	"	"	"	"	12/17/13 13:30	"	
Zinc	7.6	1.0	"	"	"	"	11/25/13 19:59	"	

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

Trivalent Chromium by Calculation

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	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**						
Trivalent Chromium	ND	0.010	mg/L	1	B3K2211	11/22/13	11/27/13 11:10	Calculation	

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.

SIERRA 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

Trivalent Chromium by Calculation (Dissolved)

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	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**						
Trivalent Chromium	ND	0.010	mg/L	1	B3K2212	11/22/13	11/27/13 11:09	Calculation	

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

SIERRA 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

Metals 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
Batch B3K2209 - EPA 200 Series										
Blank (B3K2209-BLK1)				Prepared: 11/22/13 Analyzed: 11/26/13						
Hexavalent Chromium	ND	0.0020	mg/L							
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)		**Source: 1311263-01**		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)		**Source: 1311262-05**		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)		**Source: 1311263-01**		Prepared: 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	
Matrix Spike Dup (B3K2209-MSD2)		**Source: 1311262-05**		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 & Analyzed: 11/25/13						
Aluminum	ND	25	µg/L							
Arsenic	ND	3.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	3.0	"							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							

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SIERRA 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

Metals 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
Batch B3K2518 - EPA 200 Series										
LCS (B3K2518-BS1)				Prepared & Analyzed: 11/25/13						
Aluminum	107	25	µg/L	100		107	85-115			
Arsenic	101	3.0	"	100		101	85-115			
Cadmium	104	2.0	"	100		104	85-115			
Chromium	105	3.0	"	100		105	85-115			
Copper	110	1.0	"	100		110	85-115			
Iron	0.104	0.025	mg/L	0.100		104	85-115			
Lead	102	1.0	µg/L	100		102	85-115			
Nickel	93.4	5.0	"	100		93.4	85-115			
Silver	102	1.5	"	100		102	85-115			
Zinc	113	1.0	"	100		113	85-115			
Matrix Spike (B3K2518-MS1)	**Source: 1311271-01**			Prepared & Analyzed: 11/25/13						
Aluminum	358	25	µg/L	100	240	118	70-130			
Arsenic	88.4	3.0	"	100	ND	88.4	70-130			
Cadmium	103	2.0	"	100	0.50	102	70-130			
Chromium	104	3.0	"	100	1.3	103	75-130			
Copper	127	1.0	"	100	22	105	70-130			
Iron	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	"	100	ND	103	70-130			
Silver	100	1.5	"	100	ND	100	70-130			
Zinc	117	1.0	"	100	12	105	70-130			
Matrix Spike Dup (B3K2518-MSD1)	**Source: 1311271-01**			Prepared & Analyzed: 11/25/13						
Aluminum	362	25	µg/L	100	240	122	70-130	1.11	30	
Arsenic	84.0	3.0	"	100	ND	84.0	70-130	5.10	30	
Cadmium	104	2.0	"	100	0.50	104	70-130	0.966	30	
Chromium	105	3.0	"	100	1.3	104	75-130	0.957	30	
Copper	129	1.0	"	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	"	100	ND	106	70-130	2.87	30	
Silver	104	1.5	"	100	ND	104	70-130	3.92	30	
Zinc	111	1.0	"	100	12	99.0	70-130	5.26	30	

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SIERRA 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

Metals 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
Batch B3K2521 - EPA 200 Series										
Blank (B3K2521-BLK1)				Prepared & Analyzed: 11/25/13						
Mercury	ND	0.00030	mg/L							
LCS (B3K2521-BS1)				Prepared & Analyzed: 11/25/13						
Mercury	0.00081	0.00030	mg/L	0.00100		81.0	75-125			
Matrix Spike (B3K2521-MS1)	**Source: 1311271-01**			Prepared & Analyzed: 11/25/13						
Mercury	0.00088	0.00030	mg/L	0.00100	ND	88.0	75-125			
Matrix Spike Dup (B3K2521-MSD1)	**Source: 1311271-01**			Prepared & Analyzed: 11/25/13						
Mercury	0.00092	0.00030	mg/L	0.00100	ND	92.0	75-125	4.44	20	

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SIERRA 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

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
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)		**Source: 1311263-02**		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)		**Source: 1311263-02**		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 & Analyzed: 11/25/13						
Arsenic	ND	3.0	µg/L							
Cadmium	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	2.0	"							
Nickel	ND	5.0	"							
Silver	ND	1.5	"							
Zinc	ND	1.0	"							
LCS (B3K2519-BS1)				Prepared & Analyzed: 11/25/13						
Arsenic	109	3.0	µg/L	100		109	85-115			
Cadmium	106	2.0	"	100		106	85-115			
Copper	110	1.0	"	100		110	85-115			
Lead	113	2.0	"	100		113	85-115			
Nickel	105	5.0	"	100		105	85-115			
Silver	106	1.5	"	100		106	85-115			
Zinc	102	1.0	"	100		102	85-115			

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SIERRA 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

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
Batch B3K2519 - EPA 200 Series										
Matrix Spike (B3K2519-MS1)		**Source: 1311271-01**		Prepared & Analyzed: 11/25/13						
Arsenic	79.1	3.0	µg/L	100	ND	79.1	70-130			
Cadmium	100	2.0	"	100	ND	100	70-130			
Copper	120	1.0	"	100	16	104	70-130			
Lead	110	2.0	"	100	6.9	103	70-130			
Nickel	100	5.0	"	100	ND	100	70-130			
Silver	102	1.5	"	100	ND	102	70-130			
Zinc	108	1.0	"	100	7.6	100	70-130			
Matrix Spike Dup (B3K2519-MSD1)		**Source: 1311271-01**		Prepared & Analyzed: 11/25/13						
Arsenic	85.0	3.0	µg/L	100	ND	85.0	70-130	7.19	30	
Cadmium	102	2.0	"	100	ND	102	70-130	1.98	30	
Copper	120	1.0	"	100	16	104	70-130	0.00	30	
Lead	89.2	2.0	"	100	6.9	82.3	70-130	20.9	30	
Nickel	104	5.0	"	100	ND	104	70-130	3.92	30	
Silver	103	1.5	"	100	ND	103	70-130	0.976	30	
Zinc	107	1.0	"	100	7.6	99.4	70-130	0.930	30	
Batch B3K2520 - EPA 200 Series										
Blank (B3K2520-BLK1)				Prepared & Analyzed: 11/25/13						
Mercury	ND	0.00073	mg/L							
LCS (B3K2520-BS1)				Prepared & Analyzed: 11/25/13						
Mercury	0.00090	0.00073	mg/L	0.00100		90.0	80-120			
Matrix Spike (B3K2520-MS1)		**Source: 1311271-01**		Prepared & Analyzed: 11/25/13						
Mercury	0.00094	0.00073	mg/L	0.00100	ND	94.0	80-120			

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SIERRA 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

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
Batch B3K2520 - EPA 200 Series										
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	

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SIERRA 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

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

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#131076

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

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

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

SampleID	Date	Time	Analyses	Bottle Size	Preservative	Bottle Count
~~S-B~~ BLK			~~pH, SC, TSS, total hardness, total (Al, As, Cd, Cu,Cr III, Cr VI, Fe, Pb, Hg, Ni, Ag, Zn), BOD, COD, O&G~~	~~1L~~	~~4°C~~	
01 S-B06-12 112213	11/22/13	1209	pH, SC, TSS, total hardness, total (Al, 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, O&G	1L	4°C	2
~~S-B06-12~~			~~PAHs~~	1L Amber Glass	4°C	
~~S-B06-12~~			~~PCB, Chlordane~~	1L Amber Glass	4°C	

(Wardman-Kleb)

Sampler's Initials: AW, AC, LX

Relinquished By: Anna Wernit Date/Time: 11/22/13, 1300 Received By: R Mott Date/Time: 11/22/13 1300

Relinquished By: R-Mott Date/Time: 11/22/13 1500 Received By: [signature] Date/Time: 11-22-13 15:00