San Diego County Regional Airport Authority

Fiscal Year 2012-2013 Industrial Stormwater Permit Annual Report

July 2013

State of California
STATE WATER RESOURCES CONTROL BOARD

2012-2013

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2012 through June 30, 2013

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 office addresses can be found at http://www.swrcb.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No: 9371018035

Facility Business Name: San Diego International Airport
Contact Person: Richard Gilb
Physical Address: 3225 North Harbor Drive
e-mail: RGilb@san.org
City: San Diego
CA Zip: 92101 Phone: (619) 400 - 2790
Standard Industrial Classification (SIC) Code(s): 4581-Airports, Flying Fields, and Airport Terminal Services

B. Facility Operator Information:

Operator Name: San Diego County Regional Airport Authority
Contact Person: Richard Gilb
Mailing Address: P.O. Box 82776
e-mail: RGilb@san.org
City: San Diego
State: CA Zip: 92138-2776 Phone: (619) 400 - 2790

C. Facility Billing Information:

Operator Name: San Diego County Regional Airport Authority
Contact Person: Richard Gilb
Mailing Address: P.O. Box 82776
e-mail: RGilb@san.org
City: San Diego
State: CA Zip: 92138-2776 Phone: (619) 400 - 2790

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? 14

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 Dec. 6, 2012

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	☒	☐	February	☒	☐
November	☒	☐	March	☐	☒
December	☒	☐	April	☐	☒
January	☒	☐	May	☒	☐

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? ☒ 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? ☒ 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: ☒ 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? ☒ 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? ☒ 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? ☒ 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? ☒ 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? ☒ 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: 6/26/13

Title: Director, Environmental Affairs Department

Attachment 1

Explanations and Discussion of Analytical Data

2012 – 2013
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 have been 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. Alternate sampling sites CB01-1a, CB12-9a, and CB08-10a were used during this wet season due to continued construction activities at the airport.

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 March 2013 and April 2013 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 20 samples were taken during the reporting period and all were compared to the USEPA Multi-Sector General Permit benchmarks.

A total of 300 analyses were performed on the 20 samples taken during the 2012-2013 reporting period. Of these 300 analyses, a total of 135 had USEPA Multi-Sector Permit benchmark exceedances, an increase from the 102 exceedances in 2011-2012, 50 exceedances in FY10-11 and 113 exceedances in FY09-10. The pollutants with USEPA Multi-Sector Permit Benchmark levels are listed in the table below with the percentage of times each was exceeded during the two sampling events. The pollutants that exceeded the benchmarks 50% or more of the time were total and dissolved copper, total and dissolved zinc and ammonia, BOD, and COD. 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, 2012-2013 Storm Water Season

Pollutant of Concern (units)	Median Concentration[(a)]	USEPA Multi-Sector General Permit Benchmark	No. of Analyses	No. of Exceedances	Exceedance Frequency (%)
Ammonia (mg/L)	4.48	2.14	20	17	85
BOD (mg/L)	74	30	20	14	70
COD (mg/L)	254	120	20	16	80
SC (µmhos/cm)	386	900	20	1	5
Oil & Grease (mg/L)	2.01	15	20	0	0
pH (pH unit)	6.4	6.0 – 9.0	20	0	0
TSS (mg/L)	60	100	20	4	20
Aluminum, Total (µg/L)	465	750	20	4	20
Copper, Total (µg/L)	346	14	20	20	100
Copper, Dissolved (µg/L)	267	14	20	19	95
Iron, Total (µg/L)	862	1,000	20	7	35
Lead, Total (µg/L)	7.8	82	20	0	0
Zinc, Total (µg/L)	534	120	20	18	90
Zinc, Dissolved (µg/L)	445	120	20	15	75
Ethylene Glycol (mg/L)	5	100	20	0	0

(a) Half of the detection limit was used as the data point for statistical analysis of results that were not detected.

All ten sampling sites had exceedances during each of the storm events. Most of the sample sites are in the vicinity of the runway, taxiways, and ground service vehicle operations. The Airport Authority will use this data to re-evaluate the adequacy and effectiveness of the BMPs implemented near these sample sites, and to identify any needed improvements.

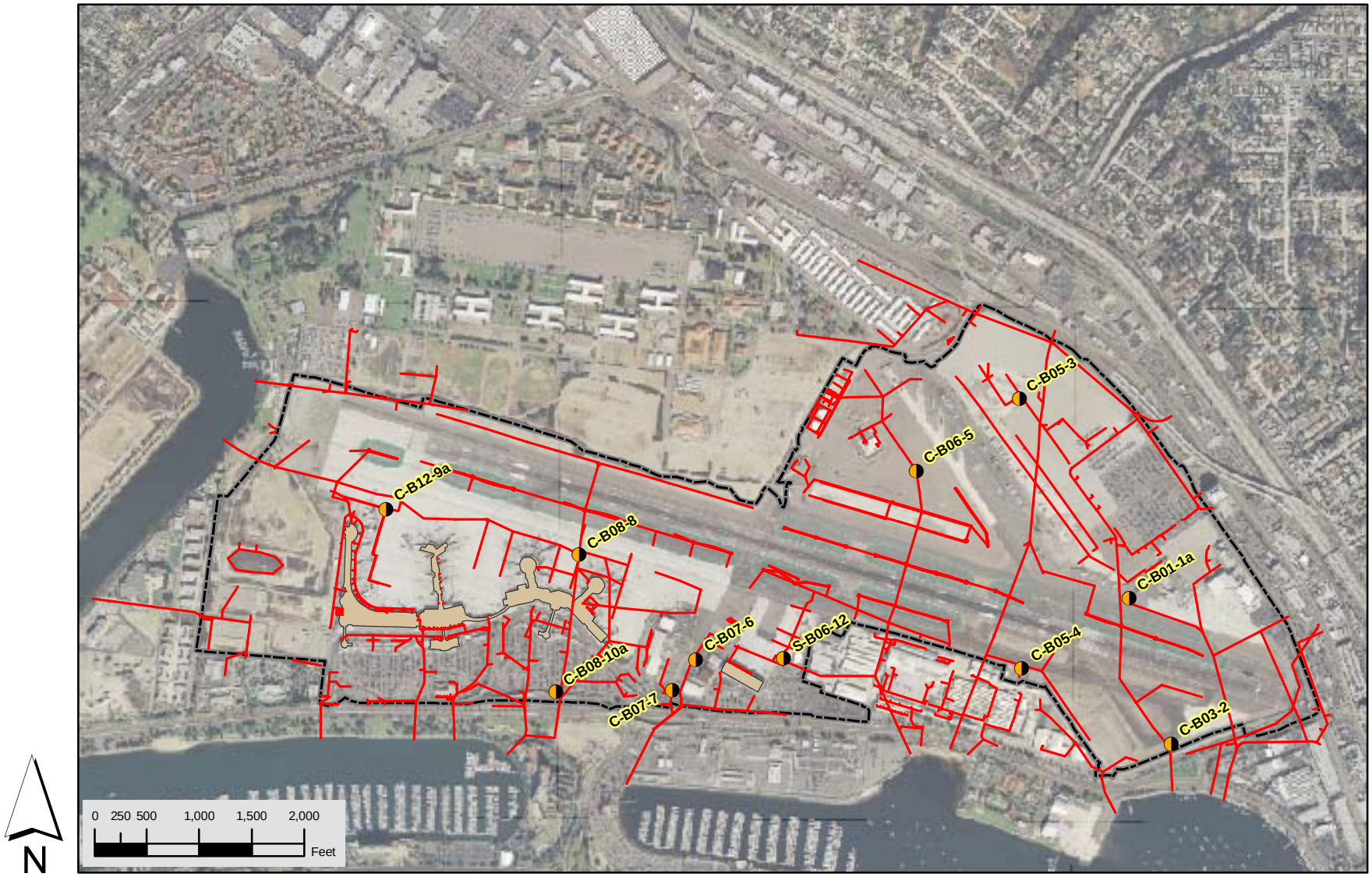
Although the 135 exceedances was more than the exceedances reported in previous years, the pollutants that exceeded benchmarks for stormwater samples collected during this reporting period are still consistent with historic sampling data at the airport. Total copper and dissolved copper and total and dissolved zinc have been consistently identified as contaminants of concern 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. One possible explanation for the increase in total number of exceedances in FY12-13 is that the two rounds of compliance sampling were performed primarily on October 11, 2012 and November 8, 2012, which were the first storms of the season. Seasonal first flush storms tend to have the highest pollutant concentrations and loads compared to subsequent storms. This not only increased the exceedances for historically consistent POCs but also increased the exceedance frequency of ammonia, BOD, and COD as compared to results from previous seasons (AMEC 2013). The Airport Authority continues to evaluate recent and historic sampling data to determine the need to modify the Authority's Storm Water Management Plan. Sampling results to date have not yet identified the need for further modifications to the Authority's Storm Water Management Plan.

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 most recently in the Fall of 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 2013 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 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



Storm Drain System and Sampling Locations

San Diego International Airport

Attachment 3

Forms

2012-2013 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)

· 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.

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

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

DESCRIBE DISCHARGE LOCATION Example: NW Out 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	10/12/2012 5:20	10/11/12 12:50	6.63	56.0	204	ND	0.210	ND	ND	ND	0.24	610
C-B03-2	10/11/2012 13:50	10/11/12 12:50	6.49	34.0	476	ND	0.150	ND	ND	ND	0.097	560
C-B05-3	10/11/2012 17:10	10/11/12 12:50	6.84	102	549	2.10	0.190	ND	ND	ND	0.20	78
C-B05-4	10/11/2012 14:00	10/11/12 12:50	6.05	171	512	4.80	0.270	ND	0.12	0.26	0.62	950
C-B06-5	10/11/2012 13:40	10/11/12 12:50	6.12	187	341	2.70	0.250	ND	ND	ND	0.35	450
C-B07-6	10/11/2012 16:01	10/11/12 12:50	6.42	88.0	113	ND	0.200	ND	ND	ND	3.2	220
		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:	0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.025	1.0
		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

2012-2013 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-B07-7	10/11/2012 14:10	10/11/12 12:50	6.16	51.0	294	4.10	0.300	ND	0.19	0.30	0.81	1900
C-B08-8	10/11/2012 15:00	10/11/12 12:50	6.65	46.0	2120	2.20	0.140	ND	ND	ND	0.39	1100
C-B08-10a	10/12/2012 3:30	10/11/12 12:50	5.87	234.0	385	3.10	0.130	ND	ND	ND	1.7	1200
C-B12-9a	10/11/2012 15:30	10/11/12 12:50	6.81	4.00	547	ND	0.120	ND	ND	ND	0.083	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:			0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.025	1.0
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 & Grease MBAS - Methylene Blue Active Substances

2012-2013 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								
			Other Parameters								
			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	GLYCOLS
C-B01-1a	10/12/2012 5:20	10/11/12 12:50	500	2.5	360	210	170	58.0	220	5.00	ND
C-B03-2	10/11/2012 13:50	10/11/12 12:50	470	14	70	1100	890	28.0	103	5.50	ND
C-B05-3	10/11/2012 17:10	10/11/12 12:50	63	3.0	170	30	19	71.0	259	7.00	ND
C-B05-4	10/11/2012 14:00	10/11/12 12:50	800	7.0	580	1300	1100	92.0	381	9.75	ND
C-B06-5	10/11/2012 13:40	10/11/12 12:50	390	3.0	440	480	430	74.0	265	10.0	ND
C-B07-6	10/11/2012 16:01	10/11/12 12:50	84	5.2	310	53	32	21.0	86.0	5.25	ND
		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:	1.0	1.0	25	1.0	1.0	2.00	0.100	0.100	10.0
		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

2012-2013 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)

· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

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

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: Anna Wernet

TITLE: AMEC, Consultant

SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Other Parameters								
			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	GLYCOLS
C-B07-7	10/11/2012 14:10	10/11/12 12:50	1600	3.6	430	350	290	74.0	342	3.75	ND
C-B08-8	10/11/2012 15:00	10/11/12 12:50	920	3.4	29	370	90	510	675	5.50	ND
C-B08-10a	10/12/2012 3:30	10/11/12 12:50	1000	7.5	660	200	69	97.0	810	5.00	ND
C-B12-9a	10/11/2012 15:30	10/11/12 12:50	180	2.6	39	74	45	130	140	0.320	ND
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:			1.0	1.0	25	1.0	1.0	2.00	0.100	0.100	10.0
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

2012-2013 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the 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									
			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	12/13/2012 4:15	12/13/12 00:40	6.86	7.00	146	ND	0.110	ND	ND	ND	0.50	84
C-B03-2	11/8/2012 9:20	12/13/12 00:40	6.31	14.0	140	ND	0.150	ND	ND	ND	0.65	230
C-B05-3	11/8/2012 6:05	12/13/12 00:40	6.26	44.0	186	2.10	0.130	ND	ND	ND	1.7	130
C-B05-4	11/8/2012 9:08	12/13/12 00:40	6.29	38.0	334	2.80	0.240	ND	0.10	0.16	1.00	350
C-B06-5	11/8/2012 7:30	12/13/12 00:40	6.40	27.0	172	2.20	0.180	ND	ND	ND	1.5	210
C-B07-6	11/8/2012 6:50	12/13/12 00:40	6.38	16.0	151	ND	0.270	ND	ND	ND	1.8	530
		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:	0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.025	1.0
		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 & Grease MBAS - Methylene Blue Active Substances

2012-2013 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the 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									
			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-B07-7	11/8/2012 8:50	12/13/12 00:40	6.25	55.0	148	3.10	0.300	ND	0.072	0.10	1.1	810
C-B08-8	11/8/2012 5:20	12/13/12 00:40	6.41	2.00	371	ND	ND	ND	ND	ND	0.088	430
C-B08-10a	11/8/2012 6:00	12/13/12 00:40	6.28	14.0	250	2.00	0.210	ND	ND	ND	1.1	500
C-B12-9a	11/8/2012 5:35	12/13/12 00:40	7.21	ND	280	ND	ND	ND	ND	ND	0.12	160
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:			0.100	1.00	0.100	2.00	0.0500	0.050	0.050	0.050	0.025	1.0
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 & Grease MBAS - Methylene Blue Active Substances

2012-2013 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the 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.

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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								
			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	GLYCOLS
C-B01-1a	12/13/2012 4:15	12/13/12 00:40	53	1.0	400	18	9.0	10.4	25.0	0.360	ND
C-B03-2	11/8/2012 9:20	12/13/12 00:40	210	42	460	710	620	22.0	96.0	3.70	ND
C-B05-3	11/8/2012 6:05	12/13/12 00:40	88	14	1700	34	26	26.0	145	2.30	ND
C-B05-4	11/8/2012 9:08	12/13/12 00:40	310	11	770	790	700	43.0	236	3.85	ND
C-B06-5	11/8/2012 7:30	12/13/12 00:40	180	7.5	1100	260	220	30.0	162	3.80	ND
C-B07-6	11/8/2012 6:50	12/13/12 00:40	440	4.7	96	170	96	32.0	180	4.00	ND
	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:		1.0	1.0	25	1.0	1.0	2.00	0.100	0.100	10.0
	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

2012-2013 ANNUAL REPORT
FORM 1 - SAMPLING & ANALYSIS RESULTS
SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the 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								
			Other Parameters								
			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	GLYCOLS
C-B07-7	11/8/2012 8:50	12/13/12 00:40	700	5.8	750	280	130	52.0	353	5.90	ND
C-B08-8	11/8/2012 5:20	12/13/12 00:40	390	6.3	66	190	160	36.0	194	2.45	ND
C-B08-10a	11/8/2012 6:00	12/13/12 00:40	440	5.7	800	210	180	45.0	237	5.10	ND
C-B12-9a	11/8/2012 5:35	12/13/12 00:40	150	5.4	79	84	63	32.0	180	0.990	ND
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:			1.0	1.0	25	1.0	1.0	2.00	0.100	0.100	10.0
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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ANNUAL REPORT

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: 9/11,12 &14 /2012	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 10/22/2012 –12/6/2012	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: 3/25 & 26/2013	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 6/5 & 6/2013	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.

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ANNUAL REPORT

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	
__/__/__ __:__ ☐AM ☐PM					
__/__/__ __:__ ☐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** Sept. 11, 12 & 14, 2012	**Observers Name:** Annie Martin **Title:** Senior Environmental Specialist - SDCRAA **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?**	**YES** ■ **NO** ☐ **YES** ☐ **NO** ■	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE OF OBSERVATIONS** Oct. 22 – Dec. 6, 2012	**Observers Name:** Brenda Stevens **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?**	**YES** ■ **NO** ☐ **YES** ☐ **NO** ■	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE OF OBSERVATIONS** Mar. 25 – 26, 2013	**Observers Name:** Anna Wernet **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?**	**YES** ■ **NO** ☐ **YES** ☐ **NO** ■	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE OF OBSERVATIONS** June 5 – 6, 2013	**Observers Name:** Anna Wernet **Title:** AMEC, Consultant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?**	**YES** ■ **NO** ☐ **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.**
09/11/12 9:33 ■ AM ☐ PM	Sediment	SDCRAA – ASIG lot	Broken gravel bags around storm drain was observed.	Confirmation of issue(s) resolution received 09/28/12. Ocean Blue was contacted and repaired BMP.
09/11/12 9:33 ■ AM ☐ PM	Trash	SDCRAA – Behind blast fence across from triturator	Trash accumulation observed behind blast fence across from triturator.	Confirmation of issue(s) resolution received 09/18/12. Work order was submitted. Area was cleaned and trash was disposed of.
09/11/12 9:33 ■ AM ☐ PM	Trash	SDCRAA – North Ramp	Street sweeping lowboy did not have cover.	Confirmation of issue(s) resolution received 09/18/12. Work order was submitted and cover was replaced.
09/11/12 9:33 ■ AM ☐ PM	Waste fluid leak	SDCRAA – North Ramp	Staining observed at the base of rubber removal dumpster.	Confirmation of issue(s) resolution received 09/28/12. Work order was submitted. Area was power washed.

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.**
09/11/12 9:33 ■ AM ☐ PM	Sediment	SDCRAA – North Ramp	Many broken sandbags were observed on ramp.	Confirmation of issue(s) resolution received 09/28/12. Ocean Blue was contacted to clean up and remove broken gravel bags
09/11/12 10:00 ■ AM ☐ PM	Oil stain	Landmark Aviation – North Ramp	Staining observed under fuel trucks.	Confirmation of issue(s) resolution received 09/27/12. Spoke with tenant in person. Drip pans were purchased and placed under trucks with marked locations.
09/11/12 10:01 ■ AM ☐ PM	Oil stain	DHL – North Ramp	Fresh oil staining observed in multiple areas.	Confirmation of issue(s) resolution received 10/17/12. Email was sent to DHL. Absorbent materials and proper disposal are being used to address oil spots daily.
09/11/12 10:01 ■ AM ☐ PM	Petroleum spill	DHL – North Ramp	Leaking fuel container was observed.	Confirmation of issue(s) resolution received 10/17/12. Email was sent to DHL. Tank causing leak has been purged.

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.**
09/11/12 10:05 ■ AM ☐ PM	Oil spill	FedEx – North Ramp	Leaking truck observed on the ramp.	Confirmation of issue(s) resolution received 09/14/12. Email was sent to FedEx. Tenant has cleaned area.
09/11/12 2:53 ☐ AM ■ PM	Improper storage	United Airlines - Maintenance	Equipment stored outdoors without proper secondary containment.	Confirmation of issue(s) resolution received 09/28/12. Email was sent to United Airlines. Equipment was removed and is no longer on the ground.
09/11/12 2:53 ☐ AM ■ PM	Improper storage	United Airlines - Maintenance	Oil container outdoors without proper secondary containment.	Confirmation of issue(s) resolution received 09/27/12. Email was sent to United Airlines. Container was removed.
09/11/12 2:53 ☐ AM ■ PM	Improper storage	United Airlines – Maintenance	Blue juice dripping out of storage container and used gloves not stored in appropriate trash containment with cover.	Confirmation of issue(s) resolution received 09/27/12. Email was sent to United Airlines. Plastic bag was removed and use of secondary container was reinforced.

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.**
09/11/12 3:06 ☐ AM ■ PM	Oil spill	Delta Airlines - Maintenance	Fresh leaking and dripping was observed that was larger than drip pan being used.	Confirmation of issue(s) resolution received 09/14/12. Email was sent to Delta Airlines. Additional drip pans were purchased and employees were briefed on proper procedure.
09/11/12 3:14 ☐ AM ■ PM	Trash	Southwest Airlines – Cargo Gate	Trash cans in the cargo yard were observed without lids.	Confirmation of issue(s) resolution received 09/14/12. Email was sent to Southwest Airlines. Trash can has been secured with cover.
09/12/12 10:20 ■ AM ☐ PM	Oil spill	Volaris Airlines - Gate	Truck observed with a leak.	Confirmation of issue(s) resolution received 04/03/13. Email was sent to Volaris Airlines. Tenant fixed leak and area was cleaned.
09/12/12 10:42 ■ AM ☐ PM	Waste fluid leak	Virgin America Airlines – Gate 25 and 26	Evidence of leaking from DAL trash cart was observed near Gates 25 and 26.	Confirmation of issue(s) resolution received 09/18/12. Email was sent to Virgin America Airlines. Area was cleaned and plugs were installed to prevent leaking.

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.**
09/12/12 10:52 ■ AM ☐ PM	Trash	US Airways - Gate	Trash cans without lids observed on ramp.	Confirmation of issue(s) resolution received 10/01/12. Email was sent to US Airways. Tenant is looking into purchasing better covers and has briefed all employees on procedure.
09/12/12 10:52 ■ AM ☐ PM	Trash	US Airways - Gate	FOD buckets were observed hanging off jet bridges and equipment was observed with lids off.	Confirmation of issue(s) resolution received 10/01/12. Email was sent to US Airways. BMPs were addressed and employees were briefed on procedure.
09/12/12 11:03 ■ AM ☐ PM	Oil spill	United Airlines - Gate	Evidence of leaking GAT equipment was observed.	Confirmation of issue(s) resolution received 09/27/12. Email was sent to United Airlines. Leak was fixed and area was cleaned.
09/12/12 11:03 ■ AM ☐ PM	Trash	United Airlines – Gate 11	Overflowing FOD bucket was observed at Gate 11.	Confirmation of issue(s) resolution received 09/12/12. Spoke with tenant in person

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09/14/12 10:31 ■ AM ☐ PM	Trash	ACE – shuttle lot N. Harbor Dr.	Trash can without lid was observed in the ACE shuttle lot on North Harbor Dr.	Confirmation of issue(s) resolution received 09/28/12. Email was sent to ACE. Lid was closed and employees were reminded of procedure.
10/22/12 1:00 ☐ AM ■ PM	Improper storage	Allied Aviation – North Ramp	Unused equipment observed to be stored without cover and/or secondary containment.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to Allied Aviation. Tenant has planned to remove equipment offsite.
10/22/12 1:00 ☐ AM ■ PM	Water source	Allied Aviation – North Ramp	Leaking of fire hydrant located near fuel storage tanks was observed.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to Allied Aviation. Leaking seal was replaced.
10/22/12 1:00 ☐ AM ■ PM	Sediment	Allied Aviation – North Ramp	Sediment observed throughout site due to construction activities.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to Allied Aviation. Tenant has increased the amount of sweeping around the site.

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10/23/12 10:00 ■ AM ☐ PM	Absorbent material	ACE – parking lot	A large amount of absorbent material was observed in the bus parking lot.	Confirmation of issue(s) resolution received 10/31/12. Email was sent to ACE. All absorbent material was cleaned.
10/23/12 10:00 ■ AM ☐ PM	Improper storage	ACE – parking lot	Inoperable golf cart was observed parked under the bridge between Terminal 1 and 2 parking lots.	Confirmation of issue(s) resolution received 11/09/12. Email was sent to ACE. Golf cart was removed from property.
10/23/12 10:00 ■ AM ☐ PM	Sediment	ACE – Parking lot	Sediment observed throughout site due to construction activities.	Confirmation of issue(s) resolution received 10/31/12. Email was sent to ACE. Area has been swept and will be maintained.
10/23/12 10:00 ■ AM ☐ PM	Absorbent material	ACE – Parking lot	Absorbent material was observed being used as an alternative to drip pans and not being disposed of immediately.	Confirmation of issue(s) resolution received 11/09/12. Email was sent to ACE. All material will be swept up promptly after use.

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10/26/12 9:00 ■ AM ☐ PM	Oil spill	Delta Airlines - Ramp	Oil leak observed under an Air Start Unit parked at West Ramp.	Confirmation of issue(s) resolution received 11/02/12. Email was sent to Delta Airlines. Unit has been serviced and equipment inspections will be monitored.
10/26/12 9:00 ■ AM ☐ PM	Oil spill	Delta Airlines - Gate 40	Fresh oil spill was observed on AOA ground at Gate 40.	Confirmation of issue(s) resolution received 11/02/12. Email was sent to Delta Airlines. Oil spots cleaned and daily observations will be made.
10/26/12 9:00 ■ AM ☐ PM	Improper storage	Delta Airlines – Maintenance shop	Out-of-service jet tug has been observed sitting for more than 2 years, uncovered.	Confirmation of issue(s) resolution received 11/02/12. Email was sent to Delta Airlines. Unit has been covered with tarp.
10/29/12 10:30 ■ AM ☐ PM	Oil spill	Hawaiian Airlines – Gate 22	Equipment parked at Gate 22 was observed to be leaking.	Confirmation of issue(s) resolution received 12/06/12. Email was sent to Hawaiian Airlines. Employees will be retrained to check equipment daily.

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10/29/12 10:30 ■ AM ☐ PM	Trash	Hawaiian Airlines – Gate 22	FOD was observed at Gate 22.	Confirmation of issue(s) resolution received 12/06/12. Email was sent to Hawaiian Airlines. Daily FOD's will be properly disposed of.
10/29/12 10:30 ■ AM ☐ PM	Oil spill	Hawaiian Airlines – Gate 22	Oil leaks originating from an aircraft were observed on ramp at Gate 22.	Confirmation of issue(s) resolution received 12/06/12. Email was sent to Hawaiian Airlines. Drip pans will be used and proper cleanup will be conducted.
10/29/12 10:30 ■ AM ☐ PM	Petroleum spill	ASIG - ramp	Fuel leaks were observed on the ramp.	Confirmation of issue(s) resolution received 12/12/12. Email was sent to ASIG. Employees have been brief on procedure and close monitoring has been implemented.
11/01/12 9:00 ■ AM ☐ PM	Oil stain	Continental Airlines - ramp	Oil stains and minor oil leak from a parked aircraft was observed.	Confirmation of issue(s) resolution received 11/01/12. Oil spill was clean immediately by Continental.

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11/01/12 9:00 ■ AM ☐ PM	Trash	Continental Airlines - ramp	Trash can observed with lid open.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to Continental Airlines. Lid was closed and employees were briefed of proper procedure.
11/01/12 9:00 ■ AM ☐ PM	Trash	Continental Airlines - ramp	Areas were observed that needed to be swept.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to Continental Airlines. Areas swept and employees briefed of proper procedure.
11/02/12 8:30 ■ AM ☐ PM	Oil stain	American Airlines – Gates 31 & 32	Oil stains were observed under parked ground equipment located between Gates 31 and 32.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to American Airlines. Ramp has been scrubbed and issue cleaned.
11/02/12 8:30 ■ AM ☐ PM	Improper storage	American Airlines - Maintenance	Inoperable equipment has been stored uncovered for more than 6 months in front of auto shop.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to American Airlines. Tenant is working with HDQ to remove equipment.
11/02/12 8:30 ■ AM ☐ PM	Trash	American Airlines - Gate	Waste cart was observed with partial covering.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to American Airlines. Cart has been covered.

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11/02/12 8:30 ■ AM ☐ PM	Sediment	American Airlines - Maintenance	Sediment accumulated at wash rack area and auto shop observed.	Confirmation of issue(s) resolution received 11/27/12. Email sent to American Airlines. Weekly sweep job with be implemented.
11/02/12 11:30 ■ AM ☐ PM	Trash	American Eagle Airlines – Gate 2	An uncovered trash container was observed at Gate 2.	Confirmation of issue(s) resolution received 02/12/13. Email was sent to American Eagle Airlines. Trash can was disposed of.
11/05/12 9:30 ■ AM ☐ PM	Oil spill	Allegiant Air - Gate	ATS generator leaking was observed.	Confirmation of issue(s) resolution received 01/18/13. Email was sent to Allegiant Air. Tenant had maintenance repair leak.
11/07/12 8:00 ■ AM ☐ PM	Oil stain	Landmark Aviation – Fueling area	Fresh oil spots observed where fuel trucks are parked.	Confirmation of issue(s) resolution received 01/25/13. Email was sent to Landmark Aviation. Tug has been repaired and spots cleaned.

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11/12/12 9:00 ■ AM ☐ PM	Petroleum/oil spill	United Airlines - Gate	Large amounts of fuel/oil spots were observed on the ground within the operational area.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to United Airlines. Mechanics will fix vehicles and leaks will be cleans after each departure.
11/12/12 9:00 ■ AM ☐ PM	Water source	United Airlines – Maintenance	Several containers observed to contain water from previous storm event.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to United Airlines. Water has been disposed of and employees briefed on procedure.
11/12/12 9:00 ■ AM ☐ PM	Trash	United Airlines – Cargo Building	Parking area near Cargo building has accumulated trash/debris/cigarette butts.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to United Airlines. Parking lot has been swept and ashtray/can ordered.
11/12/12 9:00 ■ AM ☐ PM	Trash	United Airlines - Maintenance	Trash was observed on the ground at gate, cargo and maintenance areas.	Confirmation of issue(s) resolution received 11/27/12. Email was sent to United Airlines. Employees have been reminded to keep their work areas clean.

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11/12/12 11:30 ■ AM ☐ PM	Petroleum spill	Volaris Airlines - Gate	Fuel leaks were observed throughout the operational area.	Confirmation of issue(s) resolution received 02/12/13. Email was sent to Volaris Airlines. All leaks have been cleaned.
11/12/12 11:30 ■ AM ☐ PM	Vehicle fluid spill	Volaris Airlines – Gate 22	Large puddle of hydraulic liquid was observed leaking from an APS mobile luggage belt conveyor near Gate 22.	Confirmation of issue(s) resolution received 02/12/13. Email was sent to Volaris Airlines. All leaks have been cleaned.
11/12/12 11:30 ■ AM ☐ PM	Lavatory spill	Volaris Airlines – Gate 22	Lavatory waste observed leaking from hose/valve of the Lavatory truck parked at Gate 22.	Confirmation of issue(s) resolution received 02/12/13. Email was sent to Volaris Airlines. All leaks have been cleaned.
11/12/12 2:00 ☐ AM ■ PM	Petroleum spill	DHL – Cargo Gate	Fuel spills were observed within operational areas near equipment/aircraft.	Confirmation of issue(s) resolution received 01/11/13. Email was sent to DHL. Area is swept daily with speedy dry and drip pans are utilized.

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11/13/12 1:00 ☐ AM ■ PM	Vehicle fluid leak	US Airways - Ramp	Absorbent mat being used, but not large enough to accommodate hydraulic fluid leaking.	Confirmation of issue(s) resolution received 12/06/12. Email was sent to US Airways. Drip pan will be used during maintenance.
11/13/12 1:00 ☐ AM ■ PM	Oil stain	US Airways - Gate	Oil spot on ramp was observed within fueling area.	Confirmation of issue(s) resolution received 12/6/12. Email was sent to US Airways. Spill was cleaned by ASIG and inspections were conducted to prevent future leaks.
11/13/12 1:00 ☐ AM ■ PM	Lavatory spill	US Airways - Ramp	Hook up to lavatory truck was observed to be leaking.	Confirmation of issue(s) resolution received 12/06/12. Email was sent to US Airways. Lavatory truck was inspected and repaired.
12/06/12 1:30 ☐ AM ■ PM	Improper storage	SDCRAA – Runway lighting vault area	Various items observed stored without cover at runway lighting vault area.	Confirmation of issue(s) resolution received 03/06/13. Work order was submitted. Items have been properly stored.

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12/06/12 1:30 ☐ AM ■ PM	Improper storage	SDCRAA – Storage area	Inoperable equipment in bone yard are uncovered and need to be properly disposed of.	Confirmation of issue(s) resolution received 02/04/13. Work order was submitted. Items have been covered and/or disposed of.
12/06/12 1:30 ☐ AM ■ PM	Improper storage	SDCRAA – Storage area	Tires were observed to be stored improperly (must be stored in a way that prevents contact with storm water)	Confirmation of issue(s) resolution received 02/04/13. Work order was submitted. Tires have been moved to an appropriate location.
12/06/12 1:30 ☐ AM ■ PM	Improper storage	SDCRAA – Storage area	Large uncovered plastic tub of oil was observed to be stored without secondary containment or cover.	Confirmation of issue(s) resolution received 12/19/12. Work order was submitted. Tub was removed and properly disposed of.
12/06/12 1:30 ☐ AM ■ PM	Trash	SDCRAA – Recycling area	Street sweeping lowboy dumpster was uncovered.	Confirmation of issue(s) resolution received 12/19/12. Work order was submitted. Cover was returned and signs requested for information.
12/06/12 1:30 ☐ AM ■ PM	Trash	SDCRAA - other	Observed particulates surrounding dewatering bin.	Confirmation of issue(s) resolution received 12/13/12. Work order was submitted. Ocean Blue was contacted to clean area.

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12/06/12 1:30 ☐ AM ■ PM	Trash/sediment	SDCRAA - Maintenance	Sediment and debris observed at boneyard, behind the runway lighting vault area, and along airside roadways.	Confirmation of issue(s) resolution received 12/19/12. Work order was submitted. Areas were swept.
12/06/12 1:30 ☐ AM ■ PM	Absorbent material	SDCRAA – Runway lighting vault area	Absorbent was observed to be left on the ground after being used to clean up a spill.	Confirmation of issue(s) resolution received 02/04/13. Work order was submitted. Absorbent was cleaned up and disposed of.
03/25/13 9:03 ■ AM ☐ PM	Oil stain	Delta Airlines - Gate	Fresh staining observed on ramp.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Delta Airlines. Area was cleaned.
03/25/13 9:03 ■ AM ☐ PM	Oil stain	Delta Airlines - Gate	Fresh staining observed on ramp.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Delta Airlines. Area was cleaned.

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03/25/13 9:03 ■ AM ☐ PM	Sediment	Delta Airlines - Gate	Sediment accumulation observed by gate area.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Delta Airlines. Area was swept and cleaned.
03/25/13 9:30 ■ AM ☐ PM	Oil stain	Continental Airlines - Gate	Hydraulic oil stains observed at gate area.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to Continental Airlines. Stains were cleaned and absorbent properly disposed.
03/25/13 9:30 ■ AM ☐ PM	Trash	Continental Airlines - Gate	Debris on ground at gate area.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to Continental Airlines. Area was cleaned.
03/25/13 9:44 ■ AM ☐ PM	Oil stain	US Airways – Gate 34	Staining observed at Gate 34.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to US Airways. Monitoring and drip pans will be implemented.

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03/25/13 9:44 ■ AM ☐ PM	Trash	US Airways – Gate 34 & 37	Trash containers observed without lids at Gates 34 & 37.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to US Airways. Trash can was removed.
03/25/13 9:44 ■ AM ☐ PM	Trash	US Airways – Gate	Debris on ground near gates.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to US Airways. Employees were briefed on proper procedure.
03/25/13 9:44 ■ AM ☐ PM	Vehicle fluid spill	US Airways - Gate	Vehicle was observed to be leaking.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to US Airways. Tenant will meet with vendor to implement BMP and drip pans.
03/25/13 9:57 ■ AM ☐ PM	Trash	American Airlines – Gate 23	Accumulated trash/debris was observed.	Confirmation of issue(s) resolution received 05/22/13. Email was sent to American Airlines. Employees were briefed on proper procedure.

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03/25/13 9:57 ■ AM ☐ PM	Trash	American Airlines - Maintenance	Accumulated trash/debris observed.	Confirmation of issue(s) resolution received 05/22/13. Email was sent to American Airlines. Area was cleaned.
03/25/13 10:41 ■ AM ☐ PM	Trash	Sun Country Airlines - Gate	Accumulated sediment observed near gate.	Confirmation of issue(s) resolution received 05/17/13. Email was sent to Sun Country Airlines. Area has been cleaned.
03/25/13 10:44 ■ AM ☐ PM	Vehicle fluid spill	Jet Blue Airlines - Gate	Hydraulic oil spot observed with absorbent material left.	Confirmation of issue(s) resolution received 04/26/13. Email was sent to Jet Blue Airlines. Area was cleaned and employees were briefed on protocol.
03/25/13 10:45 ■ AM ☐ PM	Trash	Volaris Airlines – Gate 21	Accumulated FOD and debris observed along operational area.	Confirmation of issue(s) resolution received 04/29/13. Email was sent to Volaris Airlines. Area was cleaned and will be cleaned every Monday.

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03/25/13 10:46 ■ AM ☐ PM	Oil spill	British Airways Airlines – Gate 20	Oil spots observed beneath and next to equipment.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to British Airways Airlines. Area was cleaned.
03/25/13 10:46 ■ AM ☐ PM	Trash	British Airways Airlines - Gate	FOD observed near ATS and GAT equipment.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to British Airways Airlines. Area was cleaned.
03/25/13 10:48 ■ AM ☐ PM	Oil spill	Virgin America Airlines - Gate	Oil spots observed within operational area.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to Virgin America Airlines. Area was cleaned.
03/25/13 11:04 ■ AM ☐ PM	Trash	Frontier Airlines - Gate	FOD and accumulated sediment was observed.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Frontier Airlines. Area was swept and cleaned.

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03/25/13 11:20 ■ AM ☐ PM	Trash/sediment	Hawaiian Airlines – Gate 22	FOD and accumulated sediment was observed.	Confirmation of issue(s) resolution received 05/20/13. Email was sent to Hawaiian Airlines. Area was cleaned.
03/25/13 11:24 ■ AM ☐ PM	Trash/sediment	West Jet Airlines – Gate 22	FOD and accumulated sediment was observed.	Confirmation of issue(s) resolution received 04/26/13. Email was sent to West Jet Airlines. Area was cleaned.
03/25/13 11:30 ■ AM ☐ PM	Trash	Air Canada – Jazz Airlines - Gate	Accumulated FOD and debris was observed.	Confirmation of issue(s) resolution received 04/26/13. Email was sent to Air Canada. Area was cleaned.
03/25/13 11:32 ■ AM ☐ PM	Oil spill	Alaska Airlines - Gate	Oil spots were observed.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to Alaska Airlines. Equipment will be repaired.

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03/25/13 11:32 ■ AM ☐ PM	Vehicle fluid spill	Alaska Airlines - Gate	Conveyer belt was observed to be leaking and equipment parked near storm drain.	Confirmation of issue(s) resolution received 05/22/13. Email was sent to Alaska Airlines. Equipment was repaired.
03/25/13 1:40 ☐ AM ■ PM	Vehicle fluid spill	Southwest Airlines - Maintenance	Equipment waiting for repair was observed to be leaking.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Southwest Airlines. Area was cleaned.
03/25/13 1:40 ☐ AM ■ PM	Trash	Southwest Airlines – Cargo building	Accumulated trash, cigarette butts and debris was observed.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Southwest Airlines. Area was cleaned.
03/25/13 1:40 ☐ AM ■ PM	Sediment	Southwest Airlines - Gate	Sediment accumulation by gates.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Southwest Airlines. Area was swept.

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03/25/13 1:40 ☐ AM ■ PM	Oil stain	Southwest Airlines - Gate	Oil stains were observed at all gates within Southwest's Operational Area.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Southwest Airlines. Area was cleaned.
03/25/13 2:00 ☐ AM ■ PM	Trash	American Eagle Airlines - CT	Trash can was observed without a lid.	Confirmation of issue(s) resolution received 05/24/13. Email was sent to American Eagle Airlines. Trash can was disposed of.
03/25/13 2:00 ☐ AM ■ PM	Vehicle fluid spill	ASIG – Fueling area	Equipment was observed to be leaking and drip pans were not correctly used.	Confirmation of issue(s) resolution received 03/25/13. Email was sent to ASIG. Area was cleaned.
03/25/13 2:00 ☐ AM ■ PM	Improper storage	ASIG – Maintenance	55 gallon drums were observed to be stored without appropriate secondary containment.	Confirmation of issue(s) resolution received 05/03/13. Email was sent to ASIG. Drums' contents will be recycled.

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03/25/13 2:00 ☐ AM ■ PM	Oil spill	ASIG – Fueling area	Oil leaks were observed near parked tankers.	Confirmation of issue(s) resolution received 05/03/13. Email was sent to ASIG. Truck was removed for service and area was cleaned.
03/25/13 2:00 ☐ AM ■ PM	Oil spill	United Airlines - Gate	Oil spots were observed at gate.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to United Airlines. Employees were briefed on proper procedure.
03/25/13 2:00 ☐ AM ■ PM	Oil spill	United Airlines - Gate	Oil spots were observed at gate.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to United Airlines. Employees were briefed on proper procedure.
03/25/13 2:00 ☐ AM ■ PM	Oil spill	United Airlines - Gate	Oil spots were observed at gate.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to United Airlines. Area was cleaned.

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03/25/13 2:00 ☐ AM ■ PM	Oil spill	United Airlines - Gate	Oil spots were observed beneath or near equipment.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to United Airlines. Equipment was inspected.
03/25/13 2:00 ☐ AM ■ PM	Oil spill	United Airlines - Gate	Oil spots were observed beneath or near equipment.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to United Airlines. Equipment was inspected.
03/25/13 2:00 ☐ AM ■ PM	Trash	United Airlines – Baggage area	FOD was observed beneath luggage cart.	Confirmation of issue(s) resolution received 05/15/13. Email was sent to United Airlines. Trash was cleaned up.
03/25/13 2:10 ☐ AM ■ PM	Oil spill	Sky West Airlines – Gate	Oil spots were observed at gate.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to Sky West Airlines. Area was cleaned.

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03/26/13 9:30 ■ AM ☐ PM	Trash	Allied Aviation – Fueling area	Accumulated trash and debris observed.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Allied Aviation. Area was cleaned and cleaning schedules increased.
03/26/13 9:30 ■ AM ☐ PM	Water source	Allied Aviation – Fueling area	Water hydrant was observed to be leaking.	Confirmation of issue(s) resolution received 06/07/13. Email was sent to Allied Aviation. Area was cleaned.
03/26/13 10:00 ■ AM ☐ PM	Trash	ACE – Parking lot	Accumulated debris and trash observed in NTC parking lot.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to ACE. Area was swept and cleaned.
03/26/13 10:00 ■ AM ☐ PM	Trash	ACE – Parking lot	Accumulated debris and trash was observed near storm drains in Terminal 2 parking lot.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to ACE. Area was cleaned.

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03/26/13 10:00 ■ AM ☐ PM	Trash	ACE – Parking lot	Accumulated debris and trash was observed in Commuter Terminal parking lot.	Confirmation of issue(s) resolution received 05/13/13. Email was sent to ACE. Area was cleaned.
03/26/13 10:00 ■ AM ☐ PM	Trash	FedEx – Parking lot	Accumulated trash was observed.	Confirmation of issue(s) resolution received 04/26/13. Email was sent to FedEx. Area was cleaned.
03/26/13 10:00 ■ AM ☐ PM	Oil spill	FedEx - Ramp	Oil leaks were observed beneath and near equipment.	Confirmation of issue(s) resolution received 04/26/13. Email was sent to FedEx. Maintech was contacted to clean area and install drip pans.
03/26/13 11:00 ■ AM ☐ PM	Trash	DHL – Cargo Gate	Waste containers were observed without lids.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to DHL. Waste container was covered.

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03/26/13 11:00 ■ AM ☐ PM	Vehicle fluid spill	DHL – Airside	Equipment next to maintenance truck had spilled hydraulic oil.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to DHL. Area was cleaned.
03/26/13 11:00 ■ AM ☐ PM	Vehicle fluid spill	DHL - airside	Equipment within operational area observed to be leaking.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to DHL. Area was cleaned.
03/26/13 11:30 ■ AM ☐ PM	Sediment	UPS – Cargo Gate	Sediment was piled behind equipment within operational area.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to UPS. Sediment was swept and disposed of.
03/26/13 11:30 ■ AM ☐ PM	Improper storage	UPS – Cargo Gate	Oil was observed to be stored in container with holes.	Confirmation of issue(s) resolution received 04/24/13. Email was sent to UPS. Oil was moved to other location and employees briefed on procedure.

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03/26/13 11:30 ■ AM ☐ PM	Vehicle fluid spill	UPS – Cargo Gate	Leaks were observed beneath or near equipment.	Confirmation of issue(s) resolution received on 06/06/13. Email was sent to UPS. Area was cleaned.
03/26/13 12:00 ☐ AM ■ PM	Improper storage	Landmark Aviation – North Ramp	Inoperable equipment stored on the ramp.	Confirmation of issue(s) resolution received 05/15/13. Email was sent to Landmark Aviation. General maintenance performed on equipment.
03/26/13 12:00 ☐ AM ■ PM	Lavatory spill	Landmark Aviation – North Ramp	Lavatory equipment was observed to be leaking.	Confirmation of issue(s) resolution received 05/15/13. Email was sent to Landmark Aviation. Caps ordered to be placed on all Lav carts.
03/26/13 2:00 ☐ AM ■ PM	Trash	FlagShip – Terminal 2	Overflowing waste containers observed on ramp.	Confirmation of issue(s) resolution received 05/10/13. Email was sent to FlagShip. Tenant is working with concessions to solve problem.

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03/26/13 2:00 ☐ AM ■ PM	Trash	FlagShip – Recycling area	Accumulated FOD and debris observed.	Confirmation of issue(s) resolution received 05/10/13. Email was sent to FlagShip. Area continues to be cleaned.
03/26/13 2:00 ☐ AM ■ PM	Trash	FlagShip – Terminal 2	Overflowing waste containers.	Confirmation of issue(s) resolution received 05/10/13. Email was sent to FlagShip. Trash is picked up on a regular basis.
03/26/13 2:00 ☐ AM ■ PM	Waste fluid leak	FlagShip – Terminal 2	Leachate from compactor was observed in proximity to storm drain.	Confirmation of issue(s) resolution received 05/10/13. Email was sent to FlagShip. Cleanings are now done on weekly basis.
03/26/13 3:10 ☐ AM ■ PM	Trash	SDCRAA – Parking lot	Storm drain in CT parking lot was observed to be filled with debris.	Confirmation of issue(s) resolution received 05/17/13. Work order was submitted. Ocean Blue was contacted to clean area.

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03/26/13 3:10 ☐ AM ■ PM	Trash	SDCRAA – Parking lot	Landscaping mulch stored near T1/U5 observed to have over spilled into parking lot.	Confirmation of issue(s) resolution received 05/17/13. Work order submitted. Area was cleaned and tarp put into place to contain material.
03/26/13 3:10 ☐ AM ■ PM	Trash	SDCRAA – Parking lot	Accumulated trash was observed throughout all of Rental Car Area.	Confirmation of issues(s) resolution received 6/28/13. Email was sent to AvCom. Area was cleaned.
03/26/13 3:10 ☐ AM ■ PM	Trash	SDCRAA – Parking lot	Accumulated trash observed within parking lot near P18 Gate.	Confirmation of issue(s) resolution received 05/31/13. Work order submitted. Area was cleaned.
06/05/13 9:58 ■ AM ☐ PM	Vehicle fluid spill	Delta Airlines - Gate	Hydraulic oil observed at gate.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Delta Airlines. Spill was cleaned.

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06/05/13 9:58 ■ AM ☐ PM	Trash	Delta Airlines - Gate	Trash can was observed uncovered.	Confirmation of issue(s) resolution received on 06/24/13. Email was sent to Delta Airlines. Trash can was covered and agents briefed on procedure.
06/05/13 10:00 ■ AM ☐ PM	Trash	HMS Host – Gate 1	Accumulated food waste was not stored in secondary containment and buckets appeared to be leaking.	Confirmation of issue(s) resolution received on 06/19/13. Email was sent to HMS Host. Spill was cleaned and secondary containment was installed.
06/05/13 10:06 ■ AM ☐ PM	Trash	US Airways – Gate 33 and 34	Trash cans between Gate 33 and 34 observed without cover.	Confirmation of issue(s) resolution received on 06/07/13. Email was sent to US Airways. New trash cans with lids are being purchased.
06/05/13 10:06 ■ AM ☐ PM	Sediment	US Airways – Gate 33	Accumulated sediment was observed near Gate 33.	Confirmation of issue(s) resolution received on 06/07/13. Email was sent to US Airways. Secondary containment is being provided.

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06/05/13 10:08 ■ AM ☐ PM	Vehicle fluid spill	Continental Airlines – Gate 36	Fresh hydraulic oil was observed at the gate.	Confirmation of issue(s) resolution received on 06/18/13. Email was sent to Continental Airlines. Area was cleaned and crew briefed on proper procedure.
06/05/13 10:42 ■ AM ☐ PM	Oil spill	Virgin America Airlines - Gate	Spilled oil was observed coming from airplane tug.	Confirmation of issue(s) resolution received on 06/17/13. Email was sent to Virgin America Airlines. Spill was cleaned and push tractor fixed.
06/05/13 10:45 ■ AM ☐ PM	Trash	West Jet Airlines - Gate	FOD container was observed without lid.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to West Jet Airlines. Area was cleaned and lids replaced.
06/05/13 10:45 ■ AM ☐ PM	Trash	American Airlines - Gate	FOD container observed without lid.	Confirmation of issue(s) resolution received on 06/24/13. Email was sent to American Airlines. FOD container was replaced.

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06/05/13 11:05 ■ AM ☐ PM	Vehicle fluid spill	United Airlines – Gate	Spilled hydraulic oil was observed at gate.	Confirmation of issue(s) resolution received on 06/18/13. Email was sent to United Airlines. Area was cleaned.
06/05/13 11:08 ■ AM ☐ PM	Trash	Alaska Airlines - Gate	Recycling was observed to be overflowing.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Alaska Airlines. Area was cleaned.
06/05/13 11:08 ■ AM ☐ PM	Water source	Alaska Airlines - Gate	Personnel were observed using faucet as a wash station.	Confirmation of issue(s) resolution received on 06/30/13. Email was sent to Alaska Airlines. Employees were briefed on proper protocol.
06/05/13 11:53 ■ AM ☐ PM	Vehicle fluid spill	Southwest Airlines - Gate	Spilled hydraulic oil was observed at gate.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Southwest Airlines. Area was cleaned.

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06/05/13 11:53 ■ AM ☐ PM	Trash	Southwest – Gates 1 and 2	Accumulated trash was observed at bench area between Gates 1 and 2.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Southwest Airlines. Area was cleaned.
06/05/13 1:56 ☐ AM ■ PM	Oil spill	ASIG	Fresh oil spots were observed under and near equipment awaiting maintenance.	Confirmation of issue(s) resolution received on 06/25/13. Email was sent to ASIG. Drip pans were ordered and will be used.
06/05/13 1:56 ☐ AM ■ PM	Oil spill	ASIG – Parking Lot	Fresh oil spots were observed in parking area adjacent to ASIG operations.	Confirmation of issue(s) resolution received on 06/25/13. Email was sent to ASIG. Drip pans were ordered and will be used.
06/05/13 2:20 ☐ AM ■ PM	Trash	American Eagle Airlines	Accumulated waste was observed along fence.	Confirmation of issue(s) resolution received on 06/07/13. Email was sent to American Eagle Airlines. Area was cleaned.

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06/05/13 3:02 ☐ AM ■ PM	Oil spill	DHL – Cargo Gate	Spilled oil was observed in operational area.	Confirmation of issue(s) resolution received on 06/24/13. Email was sent to DHL. Area was cleaned and drip pans are being utilized.
06/05/13 3:22 ☐ AM ■ PM	Oil spill	FedEx – North Ramp	Spilled oil was observed beneath and near different equipment.	Confirmation of issue(s) resolution received on 06/17/13. Email was sent to FedEx. Area was cleaned and employees briefed on proper procedure.
06/06/13 9:21 ■ AM ☐ PM	Trash	Allied Aviation – Airside	Accumulated trash was observed at the Remote Fueling Station.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Allied Aviation. Area was cleaned.
06/06/13 9:21 ■ AM ☐ PM	Sediment	Allied Aviation – Fueling Area	Accumulated sediment was observed through all of Allied Aviation's operations.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Allied Aviation. Area was cleaned.

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06/06/13 9:21 ■ AM ☐ PM	Improper storage	Allied Aviation – Fueling Area	Obsolete, oxidized equipment was observed on site.	Confirmation of issue(s) resolution received on 06/26/13. Email was sent to Allied Aviation. Equipment is covered until approval to dispose is received.
06/06/13 11:00 ■ AM ☐ PM	Trash	FlagShip – Gate 5	Dumpster staged near Gate 5 was left with the lid open and appeared to be leaking.	Confirmation of issue(s) resolution received on 06/17/13. Email was sent to FlagShip. Area was cleaned and bins are being monitored.
06/06/13 2:00 ☐ AM ■ PM	Trash	SDCRAA - Triturator	Trash can was observed to be missing a lid.	Confirmation of issue(s) resolution received on 06/28/13. Work order was submitted. Lid was returned to can.
06/06/13 2:00 ☐ AM ■ PM	Trash	SDCRAA – Parking Lot	Accumulated trash was observed along the East and South perimeter fence.	Confirmation of issue(s) resolution received on 06/28/13. Work order was submitted. Area was cleaned.

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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 11, 2012

Observer's Name: Lijun Xu & Anjuli Corcovelos

Title: AMEC, Consultant

Signature:

Time Discharge Began: 10/11/12 12:50 PM

Observation Time: 1:50 PM – 5:30 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	3:11 P.M.	■ YES □ NO
C-B03-2	3:16 P.M.	□ YES ■ NO
C-B05-3	5:30 P.M	□ YES ■ NO
C-B05-4	3:22 P.M.	■ YES □ NO
C-B06-5	3:15 P.M.	■ YES □ NO
C-B07-6	3:30 P.M.	□ YES ■ NO
C-B07-7	3:45 P.M.	■ YES □ NO
C-B08-8	2:10 P.M.	■ YES □ NO
*C-B12-9a	1:50 P.M.	□ YES ■ NO
*C-B08-10a	3:30 P.M.	■ YES □ NO

Observation Date: November 8, 2012

Observer's Name: Lijun Xu, Anna Wernet, Anne Julian

Title: AMEC, Consultant

Signature:

Time Discharge Began: 11/08/12 5:20 AM

Observation Time: 5:20 AM – 8:00 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	6:24 A.M.	■ YES □ NO
C-B03-2	7:15 A.M.	□ YES ■ NO
C-B05-3	6:05 A.M.	■ YES □ NO
C-B05-4	7:00 A.M.	■ YES □ NO
C-B06-5	7:30 A.M.	■ YES □ NO
C-B07-6	6:50 A.M.	■ YES □ NO
C-B07-7	8:00 A.M.	■ YES □ NO
C-B08-8	5:20 A.M.	■ YES □ NO
*C-B12-9a	5:35 A.M.	□ YES ■ NO
*C-B08-10a	6:00 A.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
10/11/12 3:11 □ AM ■ PM	*C-B01-1a (alternate site used due to construction)	Discharge was clear and brown.	No source identified.	NA
10/11/12 3:22 □ AM ■ PM	C-B05-4	No flow observed at this station but sample taken from structural treatment control BMP was cloudy and green.	No source identified.	NA
10/11/12 3:15 □ AM ■ PM	C-B06-5	Discharge was cloudy and yellow.	No source identified.	NA
10/11/12 3:45 □ AM ■ PM	C-B07-7	Discharge was cloudy and dark brown and contained trash.	No source identified.	NA
10/11/12 2:18 □ AM ■ PM	C-B08-8	Discharge was clear and contained trash.	No source identified.	NA
10/11/12 3:30 □ AM ■ PM	*C-B08-10a (alternate site used due to construction)	Discharge was cloudy and brown.	No source identified.	NA

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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
11/08/12 6:24 ■ AM □ PM	*C-B01-1a (alternate site used due to construction)	No flow observed, but there was standing water which was clear. Oily sheen and leaves/grass were noted with the standing water.	This site is used for fuel storage and maintenance. No source identified.	NA
11/08/12 6:05 ■ AM □ PM	C-B05-3	Discharge was cloudy and brown with suspended solids and sheen.	This site is used for rental car storage and large truck parking. No source identified.	NA
11/08/12 7:00 ■ AM □ PM	C-B05-4	Discharge was cloudy and yellow.	No source identified.	NA
11/08/12 7:30 ■ AM □ PM	C-B06-5	Discharge was clear and yellow.	No source identified.	NA
11/08/12 6:50 ■ AM □ PM	C-B07-6	Discharge was clear and brown. Petroleum and rotten egg odor was noted with the discharge.	This site is connected to an oil/water separator but no sheen was observed. No source identified.	NA
11/08/12 8:00 ■ AM □ PM	C-B07-7	No flow observed, but there was standing water which was clear. Oily sheen and trash were noted with the standing water.	Source of sheen was from general maintenance area, although no activity was occurring at the time.	NA

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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
11/08/12 5:20 ■ AM □ PM	C-B08-8	Discharge was clear and light brown.	No source identified.	NA
11/08/12 6:00 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was cloudy and brown with suspended solids and leaves/grass.	No source identified.	NA
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 B

Observation Date: December 29, 2012

Observers Name: Lijun Xu & Anna Wernet

Title: AMEC, Consultant

Signature:

Time Discharge Began: 12/29/12 3:10 PM

Observation Time: 3:10 PM – 4:30 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	3:45 P.M.	☐ YES ■ NO
C-B03-2	3:50 P.M.	☐ YES ■ NO
C-B05-3	4:30 P.M.	■ YES ☐ NO
C-B05-4	4:10 P.M.	☐ YES ■ NO
C-B06-5	3:40 P.M.	☐ YES ■ NO
C-B07-6	4:05 P.M.	☐ YES ■ NO
C-B07-7	3:10 P.M.	■ YES ☐ NO
C-B08-8	3:57 P.M.	☐ YES ■ NO
*C-B12-9a	4:00 P.M.	■ YES ☐ NO
*C-B08-10a	4:20 P.M.	■ YES ☐ NO

Observation Date: January 25, 2013

Observer's Name: Lijun Xu & Anna Wernet

Title: AMEC, Consultant

Signature:

Time Discharge Began: 01/25/13 6:10 AM

Observation Time: 6:20 AM – 7:35 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	7:00 A.M.	☐ YES ■ NO
C-B03-2	6:55 A.M.	■ YES ☐ NO
C-B05-3	7:10 A.M.	■ YES ☐ NO
C-B05-4	6:50 A.M.	■ YES ☐ NO
C-B06-5	7:05 A.M.	■ YES ☐ NO
C-B07-6	7:35 A.M.	■ YES ☐ NO
C-B07-7	6:20 A.M.	■ YES ☐ NO
C-B08-8	6:25 A.M.	☐ YES ■ NO
*C-B12-9a	6:30 A.M.	☐ YES ■ NO
*C-B08-10a	7:20 A.M.	■ YES ☐ NO

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

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
12/29/12 4:30 □ AM ■ PM	C-B05-3	No flow but ponded surface was observed and was brown with suspended solids.	No source identified.	NA
12/29/12 3:10 □ AM ■ PM	C-B07-7	Discharge was clear with light sheen.	No source identified.	NA
12/29/12 4:00 □ AM ■ PM	*C-B12-9a (alternate site used due to construction)	Discharge was clear with minor sediment particles.	No source identified.	NA
12/29/12 4:20 □ AM ■ PM	*C-B08-10a (alternate site used due to construction)	Discharge was clear and yellow with a light sheen.	Light sheen observed coming from oil spot in parking lot.	NA
1/25/13 6:55 ■ AM □ PM	C-B03-2	Discharge was clear and brown.	No source identified.	NA
1/25/13 7:10 ■ AM □ PM	C-B05-3	Discharge was cloudy and brown with suspended sediments.	No source identified.	NA

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

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
01/25/13 6:50 ■ AM □ PM	C-B05-4	Discharge was clear and brown.	No source identified.	NA
01/25/13 7:05 ■ AM □ PM	C-B06-5	Discharge was clear and brown.	No source identified.	NA
01/25/13 7:35 ■ AM □ PM	C-B07-6	Discharge was clear and brown. Petroleum odor was noted with the discharge.	Source of petroleum odor is believed to be from OWS.	NA
01/25/13 6:20 ■ AM □ PM	C-B07-7	Discharge was cloudy with an oily sheen.	Oily sheen identified from oil spot in parking lot.	NA
01/25/13 7:20 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was cloudy and brown with leaves/grass.	Leaves/grass is coming from nearby landscaping/mulch stockpile.	NA
NA / / ___ : □ AM □ PM				

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

SIDE A

Observation Date: February 8, 2013

Observer's Name: Lijun Xu & Anna Wernet

Title: AMEC, Consultant

Signature:

Time Discharge Began: 02/08/13 10:50 AM

Observation Time: 2:59 PM – 4:55 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	12:05 P.M.	☐ YES ■ NO
C-B03-2	12:25 P.M.	■ YES ☐ NO
C-B05-3	12:15 P.M.	■ YES ☐ NO
C-B05-4	12:20 P.M.	☐ YES ■ NO
C-B06-5	12:10 P.M.	☐ YES ■ NO
C-B07-6	12:35 P.M.	☐ YES ■ NO
C-B07-7	11:20 A.M.	■ YES ☐ NO
C-B08-8	11:35 A.M.	☐ YES ■ NO
*C-B12-9a	11:40 A.M.	☐ YES ■ NO
*C-B08-10a	11:25 A.M.	■ YES ☐ NO

Observation Date: March 2013

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature:

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-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: 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-B08-10a	: A.M. / PM	☐ YES ☐ NO

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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
02/08/13 12:25 □ AM ■ PM	C-B03-2	Discharge was clear and brown.	No source identified.	NA
02/08/13 12:15 □ AM ■ PM	C-B05-3	Discharge was cloudy and brown.	No source identified.	NA
02/08/13 11:20 ■ AM □ PM	C-B07-7	Discharge was clear and brown with sheen.	Sheen was observed to be coming from AA maintenance and ASIG parking area.	NA
02/08/13 11:25 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was clear and brown with sheen.	Sheen was observed coming from spot in adjacent parking lot.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

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FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: April 2013

Observer's Name: Annie Martin

Title: Senior Environmental Specialist

Signature:

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-B05-3	: A.M. / PM	☐ YES ☐ NO
C-B05-4	: A.M. / PM	☐ YES ☐ NO
C-B06-5	: 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-B08-10a	: A.M. / PM	☐ YES ☐ NO

Observation Date: May 5, 2013

Observers Name: Anna Wernet

Title: AMEC, Consultant

Signature:

Time Discharge Began: 05/05/13 6:00 AM

Observation Time: 6:00 AM – 6:54 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	6:37 A.M.	■ YES ■ NO
C-B03-2	6:38 A.M.	☐ YES ■ NO
C-B05-3	6:15 A.M.	☐ YES ■ NO
C-B05-4	6:39 A.M.	☐ YES ■ NO
C-B06-5	6:35 A.M.	☐ YES ■ NO
C-B07-6	6:54 A.M.	☐ YES ■ NO
C-B07-7	6:00 A.M.	■ YES ☐ NO
C-B08-8	6:40 A.M.	☐ YES ■ NO
*C-B12-9a	6:45 A.M.	☐ YES ■ NO
*C-B08-10a	6:05 A.M.	■ YES ☐ NO

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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
05/05/13 6:37 ■ AM □ PM	*C-B01-1a (alternate site used due to construction)	No sheet flow but puddles observed were clear, brown and yellow	No source identified.	NA
05/05/13 6:00 ■ AM □ PM	C-B07-7	Discharge was cloudy and brown with suspended solids.	No source identified.	NA
05/05/13 6:05 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was clear and brown with trash	No source identified.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: June 2013 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **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
Allied Aviation (10/22/12)	Yes / No		• Equipment observed without cover/secondary containment. • Fire hydrant observed leaking. • Accumulated sediment observed throughout site.	Allied Aviation was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 11/27/12.
ACE (10/23/12)	Yes / No		• Absorbent material left on ground after being used. • Inoperable equipment stored improperly. • Accumulated sediment observed.	ACE was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 10/31/12 and 11/27/12.
Delta Airlines (10/26/12)	Yes / No		• Fresh oil spill observed in area. • Improper storage and covering of a Jet Tug.	Delta Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 11/02/12.

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: June 2013 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **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
Hawaiian Airlines (10/29/12)	Yes / No		• Leaking equipment observed. • FOD observed at Gate 22. • Fresh oil leaks observed from aircraft at Gate 22.	Hawaii Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 12/06/12.
ASIG (10/29/12)	Yes / No		• Staining from apparent fuel leaks observed on ramp.	ASIG was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 12/12/12.
Continental Airlines (11/01/12)	Yes / No		• Oil stains and leaks observed from aircraft. • Trash containers observed without lids. • Accumulated trash in different areas.	Continental Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 11/01/12 and 11/27/12.

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: June 2013 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **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 (11/02/12)	Yes / No		• Oil stains observed under parked equipment. • Inoperable equipment stored improperly. • Waste container covered improperly. • Accumulated sediment found in different areas	American Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 11/27/12.
American Eagle Airlines (11/02/12)	Yes / No		• Uncovered trash container observed at Gate 2.	American Eagle Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 02/12/13.
Allegiant Air (11/05/12)	Yes / No		• ATS generator was observed to be leaking.	Allegiant Air was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 01/18/13.

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: June 2013 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **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
Landmark Aviation (11/07/12)	Yes / No		• Fresh oil spots observed where fuel trucks park.	Landmark Aviation was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 01/25/13.
United Airlines (11/12/12)	Yes / No		• Fuel/oil spots observed on the ground. • Containers filled with storm water observed. • Accumulated trash/debris/cigarette butts in different areas.	United Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 11/27/12.
Volaris Airlines (11/12/12)	Yes / No		• Staining from apparent fuel leaks observed throughout the operational area. • Hydraulic liquid was observed leaking from luggage belt conveyor. • Lavatory truck hose/valve leaking lavatory waste.	Volaris Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 02/12/13.

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FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: June 2013 **INSPECTOR NAME:** Annie Martin **TITLE:** Senior Environmental Specialist **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 (11/12/12)	Yes / No		• Staining from apparent fuel spills were observed within operational areas.	DHL was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 01/11/13.
US Airways (11/13/12)	Yes / No		• Absorbent material was being using improperly. • Oil spot was observed within fueling area. • Lavatory truck hookup observed to be leaking.	US Airways was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 12/06/12.
SDCRAA (12/06/12)	Yes / No		• Storage of items without cover/containment. • Improper storage of inoperable equipment. • Improper storage of tires. • Improper storage of oil container. • Dumpster for street sweeping debris uncovered. • Observed particulates surrounding dewatering bin. • Accumulated sediment and debris observed. • Absorbent material left on ground after being used.	SDCRAA was notified of the deficiency by work order. Confirmation that all deficiencies were abated was received on 12/19/12, 02/04/13, and 03/06/13.

Attachment 4

Analytical Data for Storm Events

First Storm Event

28 November 2012

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

RE:San Diego Airport

Work Order No.: 1210188

Attached are the results of the analyses for samples received by the laboratory on 10/12/12 15:45.

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	11/28/12 15:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B03-2-10-11-12-BLK	1210188-01	Liquid	10/11/12 13:55	10/12/12 15:45
C-B05-3-10-11-12-DUP	1210188-02	Liquid	10/11/12 17:10	10/12/12 15:45
C-B01-1A-10-12-12	1210188-03	Liquid	10/12/12 05:20	10/12/12 15:45
C-B03-2-10-11-12	1210188-04	Liquid	10/11/12 13:50	10/12/12 15:45
C-B05-3-10-11-12	1210188-05	Liquid	10/11/12 17:10	10/12/12 15:45
C-B05-4-10-11-12	1210188-06	Liquid	10/11/12 14:00	10/12/12 15:45
C-B06-5-10-11-12	1210188-07	Liquid	10/11/12 13:40	10/12/12 15:45
C-B07-6-10-11-12	1210188-08	Liquid	10/11/12 16:01	10/12/12 15:45
C-B07-7-10-11-12	1210188-09	Liquid	10/11/12 14:10	10/12/12 15:45
C-B08-10A-10-12-12	1210188-10	Liquid	10/12/12 03:30	10/12/12 15:45
C-B08-8-10-11-12	1210188-11	Liquid	10/11/12 15:00	10/12/12 15:45
C-B12-9A-10-11-12	1210188-12	Liquid	10/11/12 15:30	10/12/12 15:45
S-B06-12-10-12-12	1210188-13	Liquid	10/12/12 05:45	10/12/12 15:45
S-B06-12-10-12-12	1210188-14	Liquid	10/12/12 07:00	10/12/12 15:45

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-10-11-12-BLK (1210188-01) Liquid	**Sampled: 10/11/12 13:55 Received: 10/12/12 15:45**								
Ammonia as N	ND	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**3.82**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.10**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-10-11-12-DUP (1210188-02) Liquid	**Sampled: 10/11/12 17:10 Received: 10/12/12 15:45**								
Ammonia as N	**7.00**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**74.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**266**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**542**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.20**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.180**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.81**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**104**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B01-1A-10-12-12 (1210188-03) Liquid	**Sampled: 10/12/12 05:20 Received: 10/12/12 15:45**								
Ammonia as N	**5.00**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**58.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**220**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**204**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.210**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.63**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**56.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-10-11-12 (1210188-04) Liquid	**Sampled: 10/11/12 13:50**		**Received: 10/12/12 15:45**						
Ammonia as N	**5.50**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**28.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**103**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**476**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.150**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.49**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**34.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-10-11-12 (1210188-05) Liquid	**Sampled: 10/11/12 17:10**		**Received: 10/12/12 15:45**						
Ammonia as N	**7.00**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**71.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**259**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**549**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.10**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.190**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.84**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**102**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-4-10-11-12 (1210188-06) Liquid	**Sampled: 10/11/12 14:00**		**Received: 10/12/12 15:45**						
Ammonia as N	**9.75**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**92.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**381**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**512**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**4.80**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.270**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.05**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**171**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-10-11-12 (1210188-07) Liquid	**Sampled: 10/11/12 13:40**		**Received: 10/12/12 15:45**						
Ammonia as N	**10.0**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**74.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**265**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**341**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.70**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.250**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.12**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**187**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-10-11-12 (1210188-08) Liquid	**Sampled: 10/11/12 16:01**		**Received: 10/12/12 15:45**						
Ammonia as N	**5.25**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**21.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**86.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**113**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.200**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.42**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**88.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-7-10-11-12 (1210188-09) Liquid	**Sampled: 10/11/12 14:10**		**Received: 10/12/12 15:45**						
Ammonia as N	**3.75**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**74.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**342**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**294**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**4.10**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.300**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.16**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**51.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-10-12-12 (1210188-10) Liquid	**Sampled: 10/12/12 03:30**		**Received: 10/12/12 15:45**						
Ammonia as N	**5.00**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**97.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**810**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**385**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**3.10**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.130**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**5.87**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**234**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-10-11-12 (1210188-11) Liquid	**Sampled: 10/11/12 15:00**		**Received: 10/12/12 15:45**						
Ammonia as N	**5.50**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**510**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**675**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**2120**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.20**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.140**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.65**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**46.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B12-9A-10-11-12 (1210188-12) Liquid	**Sampled: 10/11/12 15:30**		**Received: 10/12/12 15:45**						
Ammonia as N	**0.320**	0.100	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**130**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**140**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**547**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.120**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.81**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-10-12-12 (1210188-14) Liquid	**Sampled: 10/12/12 07:00**		**Received: 10/12/12 15:45**						
Biochemical Oxygen Demand	**30.0**	2.00	mg/L	1	B2J1755	10/12/12	10/12/12 15:45	EPA 405.1	
Chemical Oxygen Demand	**35.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**132**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**7.06**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-10-11-12-BLK (1210188-01) Liquid Sampled: 10/11/12 13:55 Received: 10/12/12 15:45									
Aluminum	ND	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	
C-B05-3-10-11-12-DUP (1210188-02) Liquid Sampled: 10/11/12 17:10 Received: 10/12/12 15:45									
Aluminum	**530**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**29**	1.0	"	"	"	"	"	"	
Iron	**0.55**	0.025	mg/L	"	"	"	"	"	
Lead	**3.8**	1.0	µg/L	"	"	"	"	"	
Zinc	**86**	1.0	"	"	"	"	"	"	
C-B01-1A-10-12-12 (1210188-03) Liquid Sampled: 10/12/12 05:20 Received: 10/12/12 15:45									
Aluminum	**360**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**210**	1.0	"	"	"	"	"	"	
Iron	**0.24**	0.025	mg/L	"	"	"	"	"	
Lead	**2.5**	1.0	µg/L	"	"	"	"	"	
Zinc	**610**	1.0	"	"	"	"	"	"	
C-B03-2-10-11-12 (1210188-04) Liquid Sampled: 10/11/12 13:50 Received: 10/12/12 15:45									
Aluminum	**70**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**1100**	1.0	"	"	"	"	"	"	
Iron	**0.097**	0.025	mg/L	"	"	"	"	"	
Lead	**14**	1.0	µg/L	"	"	"	"	"	
Zinc	**560**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-10-11-12 (1210188-05) Liquid	**Sampled: 10/11/12 17:10**		**Received: 10/12/12 15:45**						
Aluminum	**170**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**30**	1.0	"	"	"	"	"	"	
Iron	**0.20**	0.025	mg/L	"	"	"	"	"	
Lead	**3.0**	1.0	µg/L	"	"	"	"	"	
Zinc	**78**	1.0	"	"	"	"	"	"	
C-B05-4-10-11-12 (1210188-06) Liquid	**Sampled: 10/11/12 14:00**		**Received: 10/12/12 15:45**						
Aluminum	**580**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**1300**	1.0	"	"	"	"	"	"	
Iron	**0.62**	0.025	mg/L	"	"	"	"	"	
Lead	**7.0**	1.0	µg/L	"	"	"	"	"	
Zinc	**950**	1.0	"	"	"	"	"	"	
C-B06-5-10-11-12 (1210188-07) Liquid	**Sampled: 10/11/12 13:40**		**Received: 10/12/12 15:45**						
Aluminum	**440**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**480**	1.0	"	"	"	"	"	"	
Iron	**0.35**	0.025	mg/L	"	"	"	"	"	
Lead	**3.0**	1.0	µg/L	"	"	"	"	"	
Zinc	**450**	1.0	"	"	"	"	"	"	
C-B07-6-10-11-12 (1210188-08) Liquid	**Sampled: 10/11/12 16:01**		**Received: 10/12/12 15:45**						
Aluminum	**310**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**53**	1.0	"	"	"	"	"	"	
Iron	**3.2**	0.025	mg/L	"	"	"	"	"	
Lead	**5.2**	1.0	µg/L	"	"	"	"	"	
Zinc	**220**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-10-11-12 (1210188-09) Liquid Sampled: 10/11/12 14:10 Received: 10/12/12 15:45									
Aluminum	**430**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**350**	1.0	"	"	"	"	"	"	
Iron	**0.81**	0.025	mg/L	"	"	"	"	"	
Lead	**3.6**	1.0	µg/L	"	"	"	"	"	
Zinc	**1900**	1.0	"	"	"	"	"	"	
C-B08-10A-10-12-12 (1210188-10) Liquid Sampled: 10/12/12 03:30 Received: 10/12/12 15:45									
Aluminum	**660**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**200**	1.0	"	"	"	"	"	"	
Iron	**1.7**	0.025	mg/L	"	"	"	"	"	
Lead	**7.5**	1.0	µg/L	"	"	"	"	"	
Zinc	**1200**	1.0	"	"	"	"	"	"	
C-B08-8-10-11-12 (1210188-11) Liquid Sampled: 10/11/12 15:00 Received: 10/12/12 15:45									
Aluminum	**29**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**370**	1.0	"	"	"	"	"	"	
Iron	**0.39**	0.025	mg/L	"	"	"	"	"	
Lead	**3.4**	1.0	µg/L	"	"	"	"	"	
Zinc	**1100**	1.0	"	"	"	"	"	"	
C-B12-9A-10-11-12 (1210188-12) Liquid Sampled: 10/11/12 15:30 Received: 10/12/12 15:45									
Aluminum	**39**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**74**	1.0	"	"	"	"	"	"	
Iron	**0.083**	0.025	mg/L	"	"	"	"	"	
Lead	**2.6**	1.0	µg/L	"	"	"	"	"	
Zinc	**120**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-10-12-12 (1210188-14) Liquid	**Sampled: 10/12/12 07:00**		**Received: 10/12/12 15:45**						
Aluminum	**46**	25	µg/L	1	B2J1743	10/17/12	10/18/12 10:27	EPA 200.8	
Copper	**62**	1.0	"	"	"	"	"	"	
Iron	**0.15**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**120**	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	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-10-11-12-DUP (1210188-02) Liquid	**Sampled: 10/11/12 17:10**			**Received: 10/12/12 15:45**					
Copper	**13**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**68**	1.0	"	"	"	"	"	"	
C-B01-1A-10-12-12 (1210188-03) Liquid	**Sampled: 10/12/12 05:20**			**Received: 10/12/12 15:45**					
Copper	**170**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**500**	1.0	"	"	"	"	"	"	
C-B03-2-10-11-12 (1210188-04) Liquid	**Sampled: 10/11/12 13:50**			**Received: 10/12/12 15:45**					
Copper	**890**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**470**	1.0	"	"	"	"	"	"	
C-B05-3-10-11-12 (1210188-05) Liquid	**Sampled: 10/11/12 17:10**			**Received: 10/12/12 15:45**					
Copper	**19**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**63**	1.0	"	"	"	"	"	"	
C-B05-4-10-11-12 (1210188-06) Liquid	**Sampled: 10/11/12 14:00**			**Received: 10/12/12 15:45**					
Copper	**1100**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**800**	1.0	"	"	"	"	"	"	
C-B06-5-10-11-12 (1210188-07) Liquid	**Sampled: 10/11/12 13:40**			**Received: 10/12/12 15:45**					
Copper	**430**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**390**	1.0	"	"	"	"	"	"	
C-B07-6-10-11-12 (1210188-08) Liquid	**Sampled: 10/11/12 16:01**			**Received: 10/12/12 15:45**					
Copper	**32**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**84**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-10-11-12 (1210188-09) Liquid	**Sampled: 10/11/12 14:10**		**Received: 10/12/12 15:45**						
Copper	**290**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**1600**	1.0	"	"	"	"	"	"	
C-B08-10A-10-12-12 (1210188-10) Liquid	**Sampled: 10/12/12 03:30**		**Received: 10/12/12 15:45**						
Copper	**69**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**1000**	1.0	"	"	"	"	"	"	
C-B08-8-10-11-12 (1210188-11) Liquid	**Sampled: 10/11/12 15:00**		**Received: 10/12/12 15:45**						
Copper	**90**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**920**	1.0	"	"	"	"	"	"	
C-B12-9A-10-11-12 (1210188-12) Liquid	**Sampled: 10/11/12 15:30**		**Received: 10/12/12 15:45**						
Copper	**45**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**180**	1.0	"	"	"	"	"	"	
S-B06-12-10-12-12 (1210188-14) Liquid	**Sampled: 10/12/12 07:00**		**Received: 10/12/12 15:45**						
Copper	**52**	1.0	µg/L	1	B2J1756	10/17/12	10/19/12 10:48	EPA 200.8	
Zinc	**100**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B03-2-10-11-12-BLK (1210188-01) Liquid Sampled: 10/11/12 13:55 Received: 10/12/12 15:45									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 09:37	EPA 8015B	
Surrogate: o-Terphenyl		*80.5 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.5 %*	*60-175*		"	"	"	"	
C-B05-3-10-11-12-DUP (1210188-02) Liquid Sampled: 10/11/12 17:10 Received: 10/12/12 15:45									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 09:49	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-B01-1A-10-12-12 (1210188-03) Liquid Sampled: 10/12/12 05:20 Received: 10/12/12 15:45									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 10:00	EPA 8015B	
Surrogate: o-Terphenyl		*84.5 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.5 %*	*60-175*		"	"	"	"	
C-B03-2-10-11-12 (1210188-04) Liquid Sampled: 10/11/12 13:50 Received: 10/12/12 15:45									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 10:12	EPA 8015B	
Surrogate: o-Terphenyl		*77.1 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*77.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*77.1 %*	*60-175*		"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-10-11-12 (1210188-05) Liquid	**Sampled: 10/11/12 17:10**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 10:23	EPA 8015B	
Surrogate: o-Terphenyl		*74.7 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*74.7 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*74.7 %*	*60-175*		"	"	"	"	
C-B05-4-10-11-12 (1210188-06) Liquid	**Sampled: 10/11/12 14:00**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 10:35	EPA 8015B	
Surrogate: o-Terphenyl		*92.2 %*	*60-175*		"	"	"	"	
Jet-A	**0.12**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*92.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.26**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*92.2 %*	*60-175*		"	"	"	"	
C-B06-5-10-11-12 (1210188-07) Liquid	**Sampled: 10/11/12 13:40**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 10:47	EPA 8015B	
Surrogate: o-Terphenyl		*75.5 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*75.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*75.5 %*	*60-175*		"	"	"	"	
C-B07-6-10-11-12 (1210188-08) Liquid	**Sampled: 10/11/12 16:01**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 10:58	EPA 8015B	
Surrogate: o-Terphenyl		*90.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.8 %*	*60-175*		"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-10-11-12 (1210188-09) Liquid	**Sampled: 10/11/12 14:10**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 11:10	EPA 8015B	
Surrogate: o-Terphenyl		*87.6 %*	*60-175*		"	"	"	"	
Jet-A	**0.19**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*87.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.30**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*87.6 %*	*60-175*		"	"	"	"	
C-B08-10A-10-12-12 (1210188-10) Liquid	**Sampled: 10/12/12 03:30**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 11:21	EPA 8015B	
Surrogate: o-Terphenyl		*72.7 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*72.7 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*72.7 %*	*60-175*		"	"	"	"	
C-B08-8-10-11-12 (1210188-11) Liquid	**Sampled: 10/11/12 15:00**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 11:33	EPA 8015B	D-42
Surrogate: o-Terphenyl		*95.5 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*95.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*95.5 %*	*60-175*		"	"	"	"	
C-B12-9A-10-11-12 (1210188-12) Liquid	**Sampled: 10/11/12 15:30**		**Received: 10/12/12 15:45**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2J1738	10/16/12	10/17/12 11:44	EPA 8015B	
Surrogate: o-Terphenyl		*76.3 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.3 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.3 %*	*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	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-10-11-12 (1210188-05) Liquid	**Sampled: 10/11/12 17:10**		**Received: 10/12/12 15:45**						
PCB-1016	ND	0.50	µg/L	1	B2J1129	10/15/12	10/15/12 13:49	EPA 8082	
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		*67.2 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*52.4 %*		*42-147*	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

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 B2J1743 - EPA 200 Series										
Blank (B2J1743-BLK1)				Prepared: 10/17/12 Analyzed: 10/18/12						**TF**
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B2J1743-BLK2)				Prepared: 10/17/12 Analyzed: 10/18/12						**TF**
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2J1743-BS1)				Prepared: 10/17/12 Analyzed: 10/18/12						**TF**
Aluminum	98.3	25	µg/L	100		98.3	85-115			
Copper	109	1.0	"	100		109	85-115			
Iron	0.104	0.025	mg/L	0.100		104	85-115			
Lead	109	1.0	µg/L	100		109	85-115			
Zinc	107	1.0	"	100		107	85-115			
LCS (B2J1743-BS2)				Prepared: 10/17/12 Analyzed: 10/18/12						**TF**
Aluminum	98.3	25	µg/L	100		98.3	85-115			
Copper	108	1.0	"	100		108	85-115			
Iron	0.105	0.025	mg/L	0.100		105	85-115			
Lead	106	1.0	µg/L	100		106	85-115			
Zinc	107	1.0	"	100		107	85-115			
Matrix Spike (B2J1743-MS1)	**Source: 1210187-01**			Prepared: 10/17/12 Analyzed: 10/18/12						**TF**
Aluminum	2590	25	µg/L	100	2200	390	70-130			QM-07
Copper	219	1.0	"	100	33	186	70-130			QM-07
Iron	7.27	0.025	mg/L	0.100	7.0	270	70-130			QM-07
Lead	116	1.0	µg/L	100	8.5	108	70-130			
Zinc	458	1.0	"	100	340	118	70-130			

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

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 B2J1743 - EPA 200 Series										
Matrix Spike (B2J1743-MS2)	**Source: 1210187-03**			Prepared: 10/17/12		Analyzed: 10/18/12				**TF**
Aluminum	126	25	µg/L	100	26	100	70-130			
Copper	121	1.0	"	100	6.6	114	70-130			
Iron	0.373	0.025	mg/L	0.100	0.28	93.0	70-130			
Lead	105	1.0	µg/L	100	0.70	104	70-130			
Zinc	140	1.0	"	100	39	101	70-130			
Matrix Spike Dup (B2J1743-MSD1)	**Source: 1210187-01**			Prepared: 10/17/12		Analyzed: 10/18/12				**TF**
Aluminum	2640	25	µg/L	100	2200	440	70-130	1.91	30	QM-07
Copper	222	1.0	"	100	33	189	70-130	1.36	30	QM-07
Iron	7.31	0.025	mg/L	0.100	7.0	310	70-130	0.549	30	QM-07
Lead	117	1.0	µg/L	100	8.5	108	70-130	0.858	30	
Zinc	482	1.0	"	100	340	142	70-130	5.11	30	QM-07
Matrix Spike Dup (B2J1743-MSD2)	**Source: 1210187-03**			Prepared: 10/17/12		Analyzed: 10/18/12				**TF**
Aluminum	126	25	µg/L	100	26	100	70-130	0.00	30	
Copper	122	1.0	"	100	6.6	115	70-130	0.823	30	
Iron	0.372	0.025	mg/L	0.100	0.28	92.0	70-130	0.268	30	
Lead	104	1.0	µg/L	100	0.70	103	70-130	0.957	30	
Zinc	139	1.0	"	100	39	100	70-130	0.717	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

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 B2J1756 - EPA 200 Series										
Blank (B2J1756-BLK1)				Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B2J1756-BLK2)				Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2J1756-BS1)				Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	111	1.0	µg/L	100		111	85-115			
Zinc	106	1.0	"	100		106	85-115			
LCS (B2J1756-BS2)				Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	110	1.0	µg/L	100		110	85-115			
Zinc	107	1.0	"	100		107	85-115			
Matrix Spike (B2J1756-MS1)	**Source: 1210188-02**			Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	128	1.0	µg/L	100	13	115	70-130			
Zinc	165	1.0	"	100	68	97.0	70-130			
Matrix Spike (B2J1756-MS2)	**Source: 1210188-12**			Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	161	1.0	µg/L	100	45	116	70-130			
Zinc	217	1.0	"	100	180	37.0	70-130			QM-07
Matrix Spike Dup (B2J1756-MSD1)	**Source: 1210188-02**			Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	128	1.0	µg/L	100	13	115	70-130	0.00	30	
Zinc	166	1.0	"	100	68	98.0	70-130	0.604	30	
Matrix Spike Dup (B2J1756-MSD2)	**Source: 1210188-12**			Prepared: 10/17/12 Analyzed: 10/19/12						
Copper	160	1.0	µg/L	100	45	115	70-130	0.623	30	
Zinc	208	1.0	"	100	180	28.0	70-130	4.24	30	QM-07

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

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 B2J1738 - EPA 3510C Sep Funnel										
Blank (B2J1738-BLK1)				Prepared: 10/16/12 Analyzed: 10/17/12						
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	*0.0901*		*"*	*0.100*		*90.1*	*60-175*			
Surrogate: o-Terphenyl	*0.0901*		*"*	*0.100*		*90.1*	*60-175*			
Surrogate: o-Terphenyl	*0.0901*		*"*	*0.100*		*90.1*	*60-175*			
LCS (B2J1738-BS1)				Prepared: 10/16/12 Analyzed: 10/17/12						
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 (B2J1738-BS2)				Prepared: 10/16/12 Analyzed: 10/17/12						
Diesel Range Organics (C10-C24)	0.424	0.050	mg/L	0.500		84.8	80-120			
Diesel Range Organics (C10-C24)	0.424	0.050	"	0.500		84.8	80-120			
Diesel Range Organics (C10-C24)	0.424	0.050	"	0.500		84.8	80-120			
LCS Dup (B2J1738-BSD1)				Prepared: 10/16/12 Analyzed: 10/17/12						
Diesel Range Organics (C10-C24)	0.536	0.050	mg/L	0.500		107	80-120	14.8	30	
Diesel Range Organics (C10-C24)	0.536	0.050	"	0.500		107	80-120	14.8	30	
Diesel Range Organics (C10-C24)	0.536	0.050	"	0.500		107	80-120	14.8	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/28/12 15:11

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2J1129 - EPA 3510C Sep Funnel										
Blank (B2J1129-BLK1)				Prepared: 10/11/12 Analyzed: 10/15/12						
PCB-1016	ND	0.50	µg/L							
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	*0.323*		*"*	*0.250*		*129*	*42-147*			
Surrogate: Tetrachloro-meta-xylene	*0.196*		*"*	*0.250*		*78.4*	*42-147*			
LCS (B2J1129-BS1)				Prepared: 10/11/12 Analyzed: 10/15/12						
PCB-1260	2.26	0.50	µg/L	2.00		113	80-120			
LCS (B2J1129-BS2)				Prepared: 10/11/12 Analyzed: 10/15/12						
PCB-1260	1.96	0.50	µg/L	2.00		98.0	80-120			
LCS Dup (B2J1129-BSD1)				Prepared: 10/11/12 Analyzed: 10/15/12						
PCB-1260	2.05	0.50	µg/L	2.00		102	80-120	9.74	30	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	11/28/12 15:11

Notes and Definitions

TF	Analyzed by Timothy Forsyth
D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
D-42	Sample non-detect (ND) for requested fuel type. Other hydrocarbons may be present.
D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Project Name: N/A
Project Number: 1210188

PTS File No: 42751
Client: Sierra Analytical Labs, Inc.

TEST PROGRAM - 20121017

FLUID ID	Date	Time	Fluid Type / Matrix	Particle Size: Microsize				Notes
Method:				ASTM D4464				
Date Received: 20121017								
S-B06-12-10-12-12 (1210188-13)	20121012	0545	Water	X				
TOTALS:			1 Water	1				1

Laboratory Test Program Notes

Standard TAT for microsize analysis is 5 business days.

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc.
PTS File No: 42751

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1210188

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-B06-12-10-12-12 (1210188-13)	Aqueous	28.759	86.125	72.929	62.084	49.902	35.715	28.759	22.777	13.907	8.411	5.763	3.576

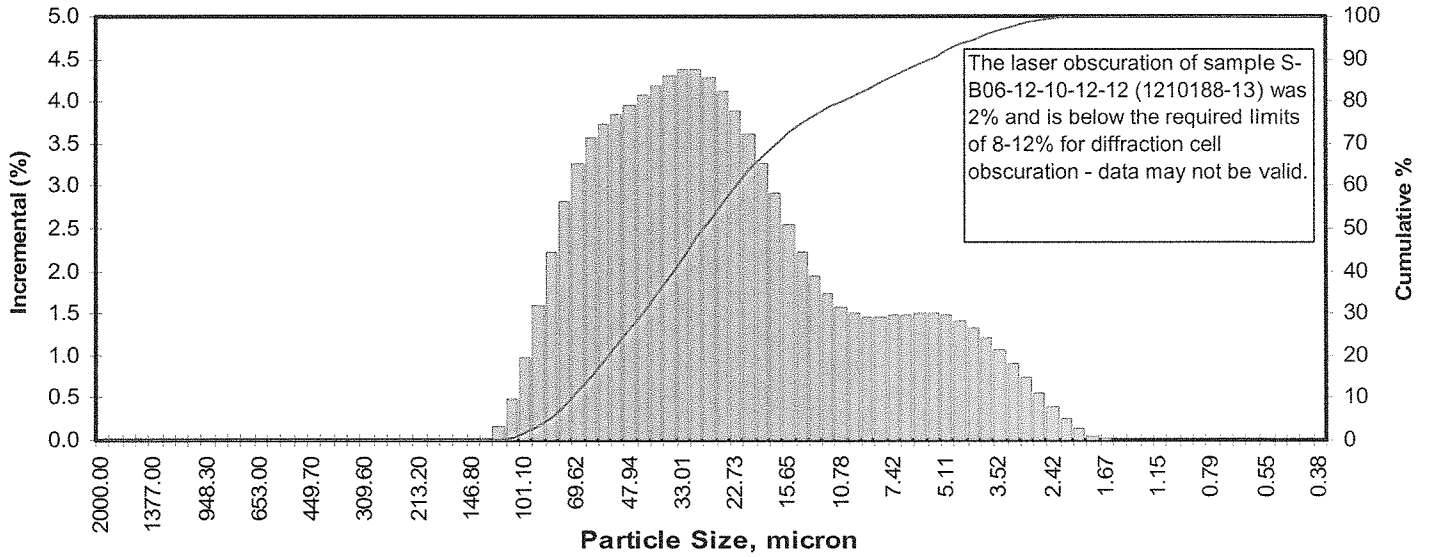
* The laser obscuration of sample S-B06-12-10-12-12 (1210188-13) was 2%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	42751
Project:	N/A	**Sample ID:**	S-B06-12-10-12-12 (1210188-13)
Project No:	1210188	**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	0.03	0.0
121.80	0.16	0.2
111.00	0.48	0.7
101.10	0.98	1.7
92.10	1.59	3.2
83.90	2.23	5.5
76.43	2.82	8.3
69.62	3.27	11.6
63.42	3.56	15.1
57.77	3.73	18.9
52.63	3.85	22.7
47.94	3.96	26.7
43.67	4.08	30.7
39.78	4.20	34.9
36.24	4.31	39.3
33.01	4.37	43.6
30.07	4.37	48.0
27.39	4.29	52.3
24.95	4.12	56.4
22.73	3.89	60.3
20.71	3.60	63.9
18.86	3.26	67.2
17.18	2.91	70.1
15.65	2.55	72.6
14.26	2.22	74.8
12.99	1.94	76.8
11.83	1.73	78.5
10.78	1.58	80.1
9.82	1.50	81.6
8.94	1.46	83.0
8.15	1.46	84.5
7.42	1.47	86.0
6.76	1.49	87.5
6.16	1.50	89.0
5.61	1.50	90.5
5.11	1.47	91.9
4.66	1.41	93.3
4.24	1.32	94.7
3.86	1.21	95.9
3.52	1.06	96.9
3.21	0.90	97.8
2.92	0.73	98.6
2.66	0.56	99.1
2.42	0.40	99.5
2.21	0.26	99.8
2.01	0.14	99.9
1.83	0.06	100.0
1.67	0.01	100.0
1.52	0.00	100.0
1.385	0.000	100.0
1.261	0.000	100.0
1.149	0.000	100.0
1.047	0.000	100.0
0.954	0.000	100.0
0.869	0.000	100.0
0.791	0.000	100.0
0.721	0.000	100.0
0.657	0.000	100.0
0.598	0.000	100.0
0.545	0.000	100.0
0.496	0.000	100.0
0.452	0.000	100.0
0.412	0.000	100.0
0.375	0.000	100.0
TOTALS:	**99.99**	**100.0**

Measure	Trask	Inman
Median, mm	0.0288	0.0288
Median, micron	28.759	28.759
Mean, mm	0.0319	0.0229
Mean, micron	31.905	22.852
Sorting	1.8943	1.442
Skewness	0.9160	0.230
Kurtosis	0.2680	0.592

Distribution percent	Cumulative Percent greater than Particle Size	
	Micron	Millimeters
5	86.125	0.0861
10	72.929	0.0729
16	62.084	0.0621
25	49.902	0.0499
40	35.715	0.0357
50	28.759	0.0288
60	22.777	0.0228
75	13.907	0.0139
84	8.411	0.0084
90	5.763	0.0058
95	3.576	0.0036

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

42751

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1210188

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-B06-12-10-12-12 (1210188-13) Liquid		10/12/12 05:45		
Full Particle Sizing	04/10/13 05:45			

Containers Supplied:
1L Amber (A)

Special Instructions :
Please send Results request Results! Thank you!

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

Relinquished By	Date / Time	Received By	Date / Time
	10-16-12 @ 1500	Morgan Richard	10/17/12 1453

Certificate of Analysis

Report Date: 10/30/12 16:26
Received Date: 10/22/12 12:55
Turnaround Time: Normal

Project: 1210188

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 10/22/2012 with the Chain of Custody document. The samples were received in good condition, at 3.6 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 2J22075-01 **Sample ID: C-B05-3-10-11-12-DUP (1210188-02)** **Matrix:** Water
Sampled by: Client **Sampled: 10/11/12 17:10**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 10:0	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 10:0	W2J1072	O-15

Lab Sample ID: 2J22075-02 **Sample ID: C-B01-1A-10-12-12 (1210188-03)** **Matrix:** Water
Sampled by: Client **Sampled: 10/12/12 05:20**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 10:5	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 10:5	W2J1072	O-15

Lab Sample ID: 2J22075-03 **Sample ID: C-B03-2-10-11-12 (1210188-04)** **Matrix:** Water
Sampled by: Client **Sampled: 10/11/12 13:50**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 11:5	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 11:5	W2J1072	O-15

Lab Sample ID: 2J22075-04 **Sample ID: C-B05-3-10-11-12 (1210188-05)** **Matrix:** Water
Sampled by: Client **Sampled: 10/11/12 17:10**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 12:5	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 12:5	W2J1072	O-15

Lab Sample ID: 2J22075-05 **Sample ID: C-B05-4-10-11-12 (1210188-06)** **Matrix:** Water
Sampled by: Client **Sampled: 10/11/12 14:00**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 13:5	W2J1072	O-15

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Certificate of Analysis

Lab Sample ID: 2J22075-05 **Sample ID:** C-B05-4-10-11-12 (1210188-06) **Matrix:** Water
Sampled by: Client **Sampled:** 10/11/12 14:00

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 13:5	W2J1072	O-15

Lab Sample ID: 2J22075-06 **Sample ID:** C-B06-5-10-11-12 (1210188-07) **Matrix:** Water
Sampled by: Client **Sampled:** 10/11/12 13:40

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 14:4	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 14:4	W2J1072	O-15

Lab Sample ID: 2J22075-07 **Sample ID:** C-B07-6-10-11-12 (1210188-08) **Matrix:** Water
Sampled by: Client **Sampled:** 10/11/12 16:01

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 15:4	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 15:4	W2J1072	O-15

Lab Sample ID: 2J22075-08 **Sample ID:** C-B07-7-10-11-12 (1210188-09) **Matrix:** Water
Sampled by: Client **Sampled:** 10/11/12 14:10

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 16:4	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 16:4	W2J1072	O-15

Lab Sample ID: 2J22075-09 **Sample ID:** C-B08-10A-10-12-12 (1210188-10) **Matrix:** Water
Sampled by: Client **Sampled:** 10/12/12 03:30

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 17:4	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 17:4	W2J1072	O-15

Lab Sample ID: 2J22075-10 **Sample ID:** C-B08-8-10-11-12 (1210188-11) **Matrix:** Water
Sampled by: Client **Sampled:** 10/11/12 15:00

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 21:0	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 21:0	W2J1072	O-15

Lab Sample ID: 2J22075-11 **Sample ID:** C-B12-9A-10-11-12 (1210188-12) **Matrix:** Water
Sampled by: Client **Sampled:** 10/11/12 15:30

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 22:0	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 22:0	W2J1072	O-15

Lab Sample ID: 2J22075-12 **Sample ID:** S-B06-12-10-12-12 (1210188-13) **Matrix:** Water
Sampled by: Client **Sampled:** 10/12/12 05:45

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	10/23/12	10/26/12 23:0	W2J1072	O-15
Propylene glycol	ND		50	mg/l	1	EPA 8015B	10/23/12	10/26/12 23:0	W2J1072	O-15

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Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W2J1072 - EPA 8015B

Blank (W2J1072-BLK1) — Prepared: 10/23/12 Analyzed: 10/30/12 14:13

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 (W2J1072-BS1) — Prepared: 10/23/12 Analyzed: 10/30/12 14:13

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol		98.7		mg/l	100	99	45-159		

LCS Dup (W2J1072-BSD1) — Prepared: 10/23/12 Analyzed: 10/30/12 14:13

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol		106		mg/l	100	106	45-159	8	25

Matrix Spike (W2J1072-MS1) — Source: 2J19045-03 Prepared: 10/23/12 Analyzed: 10/30/12 14:13

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	ND	95.3		mg/l	100	95	40-163		

Matrix Spike Dup (W2J1072-MSD1) — Source: 2J19045-03 Prepared: 10/23/12 Analyzed: 10/26/12 08:07

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	ND	104		mg/l	100	104	40-163	9	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:

O-15	The sample was received with the recommended holding time nearly expired. It was analyzed as soon as possible but the maximum holding time was slightly exceeded.
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

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Sample Receipt Acknowledgement

WORK ORDER: 2J22075

Printed: 10/23/2012 4:35:47PM

Client: Sierra Analytical Labs, Inc.
Project: 8000

Project Manager: Kim G Tu
Project Number: 1210188

Report To:
Sierra Analytical Labs, Inc.
Nick Forsyth
26052 Merit Circle, Suite 104
Laguna Hills, CA 92653
Phone: (949) 348-9389
Fax: (949) 348-9115

Invoice To:
Sierra Analytical Labs, Inc.
Andrew Kim
26052 Merit Circle, Suite 104
Laguna Hills, CA 92653
Phone :(949) 348-9389
Fax: (949) 348-9115

Date Due: **11/05/12 15:00 (10 day TAT)**

Received By: Stephanie J Gochez
Logged In By: Stephanie J Gochez

Date Received: 10/22/12 12:55
Date Logged In: 10/22/12 15:03

Samples Received at:	**3.6°C**	All containers intact:	**Yes**	Chain of custody completed:	**Yes**
Number of Ice chests/packages:	**1**	Custody seals preser	**NA**	Sample labels & COC agree:	**Yes**
		Custody seals intact:	**NA**	Samples preserved properly:	**Yes**
Appropriate Sample Containers:	**Yes**	Samples received on ic	**Yes**	Sample volume sufficient:	**Yes**
		Custody Seals	**No**	Sufficient holding time for all tests:	**Yes**

Analysis	TAT	Expires	Comments
2J22075-01 C-B05-3-10-11-12-DUP (1210188-02) [Water] Sampled 10/11/12 17:10 Pacific			
8015B Water Glycol	10	10/25/12 17:10	
2J22075-02 C-B01-1A-10-12-12 (1210188-03) [Water] Sampled 10/12/12 05:20 Pacific			
8015B Water Glycol	10	10/26/12 05:20	
2J22075-03 C-B03-2-10-11-12 (1210188-04) [Water] Sampled 10/11/12 13:50 Pacific			
8015B Water Glycol	10	10/25/12 13:50	
2J22075-04 C-B05-3-10-11-12 (1210188-05) [Water] Sampled 10/11/12 17:10 Pacific			
8015B Water Glycol	10	10/25/12 17:10	
2J22075-05 C-B05-4-10-11-12 (1210188-06) [Water] Sampled 10/11/12 14:00 Pacific			
8015B Water Glycol	10	10/25/12 14:00	
2J22075-06 C-B06-5-10-11-12 (1210188-07) [Water] Sampled 10/11/12 13:40 Pacific			
8015B Water Glycol	10	10/25/12 13:40	
2J22075-07 C-B07-6-10-11-12 (1210188-08) [Water] Sampled 10/11/12 16:01 Pacific			
8015B Water Glycol	10	10/25/12 16:01	
2J22075-08 C-B07-7-10-11-12 (1210188-09) [Water] Sampled 10/11/12 14:10 Pacific			
8015B Water Glycol	10	10/25/12 14:10	

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

Sample Receipt Acknowledgement

WORK ORDER: 2J22075 Printed: 10/23/2012 4:35:47PM

Client: Sierra Analytical Labs, Inc. Project Manager: Kim G Tu
Project: 8000 Project Number: 1210188

Analysis	TAT	Expires	Comments
2J22075-09 C-B08-10A-10-12-12 (1210188-10) [Water] Sampled 10/12/12 03:30 Pacific			
8015B Water Glycol	10	10/26/12 03:30	
2J22075-10 C-B08-8-10-11-12 (1210188-11) [Water] Sampled 10/11/12 15:00 Pacific			
8015B Water Glycol	10	10/25/12 15:00	
2J22075-11 C-B12-9A-10-11-12 (1210188-12) [Water] Sampled 10/11/12 15:30 Pacific			
8015B Water Glycol	10	10/25/12 15:30	
2J22075-12 S-B06-12-10-12-12 (1210188-13) [Water] Sampled 10/12/12 05:45 Pacific			
8015B Water Glycol	10	10/26/12 05:45	

Comments:

Kim Tu 10/23/2012

Authorized Signature Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

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

WO# 1210188

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-03-2-10-11-12-BLK	10-11-12	13:55	Oil & Grease	1L Clear Glass	4°C	1
	C-B-03-2-10-11-12-BLK	10-11-12	13:55	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
	C-B-03-2-10-11-12-BLK	10-11-12	13:55	TSS, total (Al, Cu, Fe, Pb, Zn), ammonia, MBAS pH, Specific Conductance, BOD, COD	0.5 Gallon Plastic	4°C	2
AC	~~C-B-03-2-10-11-12-BLK~~	~~10-11-12~~	~~13:55~~	~~TSS, total (Al, Cu, Fe, Pb, Zn), ammonia, MBAS~~	~~19L~~	~~4°C~~	
02	C-B-05-3-10-11-12-DUP	10-11-12	17:30	Ethylene glycol	40 mL Vial	4°C	2

Sampler's Initials: AZA

Relinquished By: A Archenhold Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 1345

Relinquished By: [signature] Date/Time: 10/12/12 1345 Received By: [signature] Date/Time: 10-12-12 @ 1545

*Please ensure holding times are met for all analytes (see attached Data Quality Objectives).

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
02	C-B-05-3-10-11-12 DUP	10-11-12	17:30	Oil & Grease	1L Clear Glass	4°C	1
↓	C-B-05-3-10-11-12 DUP	10-11-12	17:30	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
↓	C-B-05-3-10-11-12 DUP	10-11-12	17:30	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
03	C-B01-1A-10-12-12	10-12-12	05:20	Ethylene glycol	40 mL Vial	4°C	2
↓	C-B01-1A-10-12-12	10-12-12	05:20	Oil & Grease	1L Clear Glass	4°C	1

Sampler's Initials: AZd

Relinquished By: A. Archenhold Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 1345

Relinquished By: Date/Time: 10/12/12 13:45 Received By: Date/Time: 10-12-12 @ 1545

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-10-12-12	10-12-12	05:20	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B01-1A-10-12-12	10-12-12	05:20	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
04	C-B03-2-10-11-12	10-11-12	13:50	Ethylene glycol	40 mL Vial	4°C	2
	C-B03-2-10-11-12	10-11-12	13:50	Oil & Grease	1L Clear Glass	4°C	1
	C-B03-2-10-11-12	10-11-12	13:50	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2

Sampler's Initials: AA

Relinquished By: A.J. Archenhold Date/Time: 10/12/12 13:45 Received By: _____ Date/Time: 10/12/12 13:45

Relinquished By: _____ Date/Time: 10/12/12 13:45 Received By: _____ Date/Time: 10/10/12 @1545

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
04	C-B03-2-10-11-12	10-11-12	13:50	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
05	C-B05-3-10-11-12	10-11-12	17:10	Ethylene glycol	40 mL Vial	4°C	2
	C-B05-3-10-11-12	10-11-12	17:10	Oil & Grease	1L Clear Glass	4°C	1
	C-B05-3-10-11-12	10-11-12	17:10	PCB	1L Amber Glass	4°C	1
	C-B05-3-10-11-12	10-11-12	17:10	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2

Sampler's Initials: AZA

Relinquished By: A.J. Archenhold Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 1345

Relinquished By: [signature] Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 @ 1545

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	C-B05-3-10-11-12	10-11-12	17:10	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
06	C-B05-4-10-11-12	10-11-12	14:00	Ethylene glycol	40 mL Vial	4°C	2
	C-B05-4-10-11-12	10-11-12	14:00	Oil & Grease	1L Clear Glass	4°C	1
	C-B05-4-10-11-12	10-11-12	14:00	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B05-4-10-11-12	10-11-12	14:00	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1

Sampler's Initials: AH

Relinquished By: A.J. Archenhold Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 1345

Relinquished By: Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 1545

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
07	C-B06-5-10-11-12	10-11-12	13:40	Ethylene glycol	40 mL Vial	4°C	2
	C-B06-5-10-11-12	10-11-12	13:40	Oil & Grease	1L Clear Glass	4°C	1
	C-B06-5-10-11-12	10-11-12	13:40	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B06-5-10-11-12	10-11-12	13:40	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
08	C-B07-6 10-11-12	10-11-12	16:01	Ethylene glycol	40 mL Vial	4°C	2

Sampler's Initials: AZA

Relinquished By: A Archenhold Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 1345

Relinquished By: [signature] Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 @ 1545

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
08	C-B07-6-10-11-12	10-11-12	16:01	Oil & Grease	1L Clear Glass	4°C	1
↓	C-B07-6-10-11-12	10-11-12	16:01	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
↓	C-B07-6-10-11-12	10-11-12	16:01	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
09	C-B07-7-10-11-12	10-11-12	14:10	Ethylene glycol	40 mL Vial	4°C	2
↓	C-B07-7-10-11-12	10-11-12	14:10	Oil & Grease	1L Clear Glass	4°C	1

Sampler's Initials: AZ+

Relinquished By: [signature] Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 13:45

Relinquished By: [signature] Date/Time: 10/12/12 15:45 Received By: [signature] Date/Time: 10/12/12 @ 1545

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
09 C-B07-7 -10-11-12	10-11-12	14:10	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
C-B07-7 -10-11-12	10-11-12	14:10	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
10 C-B08-10A -10-12-12	10-12-12	03:30	Ethylene glycol	40 mL Vial	4°C	2
C-B08-10A -10-12-12	10-12-12	03:30	Oil & Grease	1L Clear Glass	4°C	1
C-B08-10A -10-12-12	10-12-12	03:30	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2

Sampler's Initials: AJA

Relinquished By: AJ Archenhold Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 1345

Relinquished By: Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/13/12 @ 1545

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
10	C-B08-10A-10-12-12	10-12-12	03:30	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
11	C-B08-8-10-11-12	10-11-12	15:00	Ethylene glycol	40 mL Vial	4°C	2
	C-B08-8-10-11-12	10-11-12	15:00	Oil & Grease	1L Clear Glass	4°C	1
	C-B08-8-10-11-12	10-11-12	15:00	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B08-8-10-11-12	10-11-12	15:00	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1

Sampler's Initials: AAA

Relinquished By: A. J. Archenhold Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/12/12 1345

Relinquished By: [signature] Date/Time: 10/12/12 13:45 Received By: [signature] Date/Time: 10/10/10 @ 1545

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
10	C-B12-9A-10-11-12	10-11-12	15:30	Ethylene glycol	40 mL Vial	4°C	2
	C-B12-9A-10-11-12	10-11-12	15:30	Oil & Grease	1L Clear Glass	4°C	1
	C-B12-9A-10-11-12	10-11-12	15:30	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B12-9A-10-11-12	10-11-12	15:30	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
13	S-B06-12-10-12-12	10-12-12	05:45	Ethylene glycol	40 mL Vial	4°C	2

Sampler's Initials: AJA

Relinquished By: A. T. Archenhold Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 1345

Relinquished By: Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/10/12 @1345

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
17	S-B06-12-10-12-12	10-12-12	05:45	Particle Size Distribution	1L Amber Glass	4°C	1

Sampler's Initials: AZA

Relinquished By: A. J. Archenhold Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 1345

Relinquished By: Date/Time: 10/12/12 13:45 Received By: Date/Time: 10/12/12 0154

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
14 S-B06-12-10-12-12	10-12-12	07:00	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, Specific Conductance, O&G	19L	4°C	2

Sampler's Initials: AJA

Relinquished By: A. J. Archenhold Date/Time: 10/12/12 13:45 Received By: _____ Date/Time: 10/12/12 1345

Relinquished By: _____ Date/Time: 10/12/12 13:45 Received By: _____ Date/Time: 10/12/12 @ 1545

Second Storm Event

12 December 2012

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

RE:San Diego Airport

Work Order No.: 1211104

Attached are the results of the analyses for samples received by the laboratory on 11/08/12 13:21.

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	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B07-6-110812-BLK	1211104-01	Liquid	11/08/12 06:50	11/08/12 13:21
C-B08-8-110812-DUP	1211104-02	Liquid	11/08/12 05:25	11/08/12 13:21
C-B03-2-110812	1211104-03	Liquid	11/08/12 09:20	11/08/12 13:21
C-B05-3-110812	1211104-04	Liquid	11/08/12 06:05	11/08/12 13:21
C-B05-4-110812	1211104-05	Liquid	11/08/12 09:08	11/08/12 13:21
C-B06-5-110812	1211104-06	Liquid	11/08/12 07:30	11/08/12 13:21
C-B07-6-110812	1211104-07	Liquid	11/08/12 06:50	11/08/12 13:21
C-B07-7-110812	1211104-08	Liquid	11/08/12 08:50	11/08/12 13:21
C-B08-10A-110812	1211104-09	Liquid	11/08/12 06:00	11/08/12 13:21
C-B08-8-110812	1211104-10	Liquid	11/08/12 05:20	11/08/12 13:21
C-B12-9A-110812	1211104-11	Liquid	11/08/12 05:35	11/08/12 13:21

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-110812-BLK (1211104-01) Liquid	**Sampled: 11/08/12 06:50**		**Received: 11/08/12 13:21**						
Ammonia as N	ND	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**8.10**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.04**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-110812-DUP (1211104-02) Liquid	**Sampled: 11/08/12 05:25**		**Received: 11/08/12 13:21**						
Ammonia as N	**2.55**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**37.2**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**188**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**370**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.38**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**3.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-110812 (1211104-03) Liquid	**Sampled: 11/08/12 09:20**		**Received: 11/08/12 13:21**						
Ammonia as N	**3.70**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**22.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**96.0**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**140**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.150**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.31**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**14.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-110812 (1211104-04) Liquid	**Sampled: 11/08/12 06:05**		**Received: 11/08/12 13:21**						
Ammonia as N	**2.30**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**26.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**145**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**186**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.10**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.130**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.26**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**44.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-4-110812 (1211104-05) Liquid	**Sampled: 11/08/12 09:08**		**Received: 11/08/12 13:21**						
Ammonia as N	**3.85**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**43.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**236**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**334**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.80**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.240**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.29**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**38.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-110812 (1211104-06) Liquid	**Sampled: 11/08/12 07:30**		**Received: 11/08/12 13:21**						
Ammonia as N	**3.80**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**30.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**162**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**172**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.20**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.180**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.40**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**27.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-110812 (1211104-07) Liquid	**Sampled: 11/08/12 06:50**		**Received: 11/08/12 13:21**						
Ammonia as N	**4.00**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**32.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**180**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**151**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.270**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.38**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**16.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-7-110812 (1211104-08) Liquid	**Sampled: 11/08/12 08:50**		**Received: 11/08/12 13:21**						
Ammonia as N	**5.90**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**52.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**353**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**148**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**3.10**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.300**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.25**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**55.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-10A-110812 (1211104-09) Liquid	**Sampled: 11/08/12 06:00**		**Received: 11/08/12 13:21**						
Ammonia as N	**5.10**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**45.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**237**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**250**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.00**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.210**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.28**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**14.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-110812 (1211104-10) Liquid	**Sampled: 11/08/12 05:20**		**Received: 11/08/12 13:21**						
Ammonia as N	**2.45**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**36.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**194**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**371**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.41**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**2.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B12-9A-110812 (1211104-11) Liquid	**Sampled: 11/08/12 05:35**		**Received: 11/08/12 13:21**						
Ammonia as N	**0.990**	0.100	mg/L	1	B2K1345	11/08/12	11/08/12 16:45	SM 4500-NH3	
Biochemical Oxygen Demand	**32.0**	2.00	"	"	"	"	11/13/12 16:45	EPA 405.1	
Chemical Oxygen Demand	**180**	0.100	"	"	"	"	11/08/12 16:45	EPA 410.4	
Specific Conductance (EC)	**280**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.21**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-110812-BLK (1211104-01) Liquid Sampled: 11/08/12 06:50 Received: 11/08/12 13:21									
Aluminum	ND	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	
C-B08-8-110812-DUP (1211104-02) Liquid Sampled: 11/08/12 05:25 Received: 11/08/12 13:21									
Aluminum	**66**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**190**	1.0	"	"	"	"	"	"	
Iron	**0.076**	0.025	mg/L	"	"	"	"	"	
Lead	**6.0**	1.0	µg/L	"	"	"	"	"	
Zinc	**420**	1.0	"	"	"	"	"	"	
C-B03-2-110812 (1211104-03) Liquid Sampled: 11/08/12 09:20 Received: 11/08/12 13:21									
Aluminum	**460**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**710**	1.0	"	"	"	"	"	"	
Iron	**0.65**	0.025	mg/L	"	"	"	"	"	
Lead	**42**	1.0	µg/L	"	"	"	"	"	
Zinc	**230**	1.0	"	"	"	"	"	"	
C-B05-3-110812 (1211104-04) Liquid Sampled: 11/08/12 06:05 Received: 11/08/12 13:21									
Aluminum	**1700**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**34**	1.0	"	"	"	"	"	"	
Iron	**1.7**	0.025	mg/L	"	"	"	"	"	
Lead	**14**	1.0	µg/L	"	"	"	"	"	
Zinc	**130**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-110812 (1211104-05) Liquid	**Sampled: 11/08/12 09:08**		**Received: 11/08/12 13:21**						
Aluminum	**770**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**790**	1.0	"	"	"	"	"	"	
Iron	**1.0**	0.025	mg/L	"	"	"	"	"	
Lead	**11**	1.0	µg/L	"	"	"	"	"	
Zinc	**350**	1.0	"	"	"	"	"	"	
C-B06-5-110812 (1211104-06) Liquid	**Sampled: 11/08/12 07:30**		**Received: 11/08/12 13:21**						
Aluminum	**1100**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**260**	1.0	"	"	"	"	"	"	
Iron	**1.5**	0.025	mg/L	"	"	"	"	"	
Lead	**7.5**	1.0	µg/L	"	"	"	"	"	
Zinc	**210**	1.0	"	"	"	"	"	"	
C-B07-6-110812 (1211104-07) Liquid	**Sampled: 11/08/12 06:50**		**Received: 11/08/12 13:21**						
Aluminum	**96**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**170**	1.0	"	"	"	"	"	"	
Iron	**1.8**	0.025	mg/L	"	"	"	"	"	
Lead	**4.7**	1.0	µg/L	"	"	"	"	"	
Zinc	**530**	1.0	"	"	"	"	"	"	
C-B07-7-110812 (1211104-08) Liquid	**Sampled: 11/08/12 08:50**		**Received: 11/08/12 13:21**						
Aluminum	**750**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**280**	1.0	"	"	"	"	"	"	
Iron	**1.1**	0.025	mg/L	"	"	"	"	"	
Lead	**5.8**	1.0	µg/L	"	"	"	"	"	
Zinc	**810**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-110812 (1211104-09) Liquid	**Sampled: 11/08/12 06:00**		**Received: 11/08/12 13:21**						
Aluminum	**800**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**210**	1.0	"	"	"	"	"	"	
Iron	**1.1**	0.025	mg/L	"	"	"	"	"	
Lead	**5.7**	1.0	µg/L	"	"	"	"	"	
Zinc	**500**	1.0	"	"	"	"	"	"	
C-B08-8-110812 (1211104-10) Liquid	**Sampled: 11/08/12 05:20**		**Received: 11/08/12 13:21**						
Aluminum	**66**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**190**	1.0	"	"	"	"	"	"	
Iron	**0.088**	0.025	mg/L	"	"	"	"	"	
Lead	**6.3**	1.0	µg/L	"	"	"	"	"	
Zinc	**430**	1.0	"	"	"	"	"	"	
C-B12-9A-110812 (1211104-11) Liquid	**Sampled: 11/08/12 05:35**		**Received: 11/08/12 13:21**						
Aluminum	**79**	25	µg/L	1	B2K0912	11/09/12	11/13/12 10:28	EPA 200.8	
Copper	**84**	1.0	"	"	"	"	"	"	
Iron	**0.12**	0.025	mg/L	"	"	"	"	"	
Lead	**5.4**	1.0	µg/L	"	"	"	"	"	
Zinc	**160**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-110812-DUP (1211104-02) Liquid	**Sampled: 11/08/12 05:25**		**Received: 11/08/12 13:21**						
Copper	**150**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**390**	1.0	"	"	"	"	"	"	
C-B03-2-110812 (1211104-03) Liquid	**Sampled: 11/08/12 09:20**		**Received: 11/08/12 13:21**						
Copper	**620**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**210**	1.0	"	"	"	"	"	"	
C-B05-3-110812 (1211104-04) Liquid	**Sampled: 11/08/12 06:05**		**Received: 11/08/12 13:21**						
Copper	**26**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**88**	1.0	"	"	"	"	"	"	
C-B05-4-110812 (1211104-05) Liquid	**Sampled: 11/08/12 09:08**		**Received: 11/08/12 13:21**						
Copper	**700**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**310**	1.0	"	"	"	"	"	"	
C-B06-5-110812 (1211104-06) Liquid	**Sampled: 11/08/12 07:30**		**Received: 11/08/12 13:21**						
Copper	**220**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**180**	1.0	"	"	"	"	"	"	
C-B07-6-110812 (1211104-07) Liquid	**Sampled: 11/08/12 06:50**		**Received: 11/08/12 13:21**						
Copper	**96**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**440**	1.0	"	"	"	"	"	"	
C-B07-7-110812 (1211104-08) Liquid	**Sampled: 11/08/12 08:50**		**Received: 11/08/12 13:21**						
Copper	**130**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**700**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-110812 (1211104-09) Liquid	**Sampled: 11/08/12 06:00**		**Received: 11/08/12 13:21**						
Copper	**180**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**440**	1.0	"	"	"	"	"	"	
C-B08-8-110812 (1211104-10) Liquid	**Sampled: 11/08/12 05:20**		**Received: 11/08/12 13:21**						
Copper	**160**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**390**	1.0	"	"	"	"	"	"	
C-B12-9A-110812 (1211104-11) Liquid	**Sampled: 11/08/12 05:35**		**Received: 11/08/12 13:21**						
Copper	**63**	1.0	µg/L	1	B2K1240	11/12/12	11/13/12 10:19	EPA 200.8	
Zinc	**150**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-110812-BLK (1211104-01) Liquid Sampled: 11/08/12 06:50 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 22:42	EPA 8015B	
Surrogate: o-Terphenyl		*70.9 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*70.9 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*70.9 %*	*60-175*		"	"	"	"	
C-B08-8-110812-DUP (1211104-02) Liquid Sampled: 11/08/12 05:25 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 22:53	EPA 8015B	D-42
Surrogate: o-Terphenyl		*73.3 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*73.3 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*73.3 %*	*60-175*		"	"	"	"	
C-B03-2-110812 (1211104-03) Liquid Sampled: 11/08/12 09:20 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 23:04	EPA 8015B	
Surrogate: o-Terphenyl		*88.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*88.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*88.2 %*	*60-175*		"	"	"	"	
C-B05-3-110812 (1211104-04) Liquid Sampled: 11/08/12 06:05 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/13/12 00:12	EPA 8015B	
Surrogate: o-Terphenyl		*72.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*72.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*72.2 %*	*60-175*		"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-110812 (1211104-05) Liquid	**Sampled: 11/08/12 09:08**	**Received: 11/08/12 13:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/13/12 00:34	EPA 8015B	
Surrogate: o-Terphenyl		*70.1 %*	*60-175*		"	"	"	"	
Jet-A	**0.10**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*70.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.16**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*70.1 %*	*60-175*		"	"	"	"	
C-B06-5-110812 (1211104-06) Liquid	**Sampled: 11/08/12 07:30**	**Received: 11/08/12 13:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 23:15	EPA 8015B	
Surrogate: o-Terphenyl		*78.1 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*78.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*78.1 %*	*60-175*		"	"	"	"	
C-B07-6-110812 (1211104-07) Liquid	**Sampled: 11/08/12 06:50**	**Received: 11/08/12 13:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 23:26	EPA 8015B	
Surrogate: o-Terphenyl		*62.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*62.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*62.2 %*	*60-175*		"	"	"	"	
C-B07-7-110812 (1211104-08) Liquid	**Sampled: 11/08/12 08:50**	**Received: 11/08/12 13:21**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/13/12 00:23	EPA 8015B	
Surrogate: o-Terphenyl		*70.6 %*	*60-175*		"	"	"	"	
Jet-A	**0.072**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*70.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.10**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*70.6 %*	*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	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-110812 (1211104-09) Liquid Sampled: 11/08/12 06:00 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 23:38	EPA 8015B	
Surrogate: o-Terphenyl		*99.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*99.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*99.4 %*	*60-175*		"	"	"	"	
C-B08-8-110812 (1211104-10) Liquid Sampled: 11/08/12 05:20 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/12/12 23:49	EPA 8015B	D-42
Surrogate: o-Terphenyl		*83.1 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*83.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*83.1 %*	*60-175*		"	"	"	"	
C-B12-9A-110812 (1211104-11) Liquid Sampled: 11/08/12 05:35 Received: 11/08/12 13:21									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2K0908	11/09/12	11/13/12 00:00	EPA 8015B	D-42
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	12/12/12 15:25

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-110812 (1211104-04) Liquid	**Sampled: 11/08/12 06:05**		**Received: 11/08/12 13:21**						
PCB-1016	ND	0.50	µg/L	1	B2K1230	11/09/12	11/12/12 09:06	EPA 8082	
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		*61.2 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.8 %*		*42-147*	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

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 B2K0912 - EPA 200 Series										
Blank (B2K0912-BLK1)				Prepared: 11/09/12 Analyzed: 11/13/12						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
Blank (B2K0912-BLK2)				Prepared: 11/09/12 Analyzed: 11/13/12						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2K0912-BS1)				Prepared: 11/09/12 Analyzed: 11/13/12						
Aluminum	108	25	µg/L	100		108	85-115			
Copper	100	1.0	"	100		100	85-115			
Iron	0.0953	0.025	mg/L	0.100		95.3	85-115			
Lead	102	1.0	µg/L	100		102	85-115			
Zinc	107	1.0	"	100		107	85-115			
LCS (B2K0912-BS2)				Prepared: 11/09/12 Analyzed: 11/13/12						
Aluminum	94.7	25	µg/L	100		94.7	85-115			
Copper	100	1.0	"	100		100	85-115			
Iron	0.0949	0.025	mg/L	0.100		94.9	85-115			
Lead	99.5	1.0	µg/L	100		99.5	85-115			
Zinc	107	1.0	"	100		107	85-115			
Matrix Spike (B2K0912-MS1)	**Source: 1211104-01**			Prepared: 11/09/12 Analyzed: 11/13/12						
Aluminum	96.5	25	µg/L	100	ND	96.5	70-130			
Copper	101	1.0	"	100	0.50	100	70-130			
Iron	0.0886	0.025	mg/L	0.100	ND	88.6	70-130			
Lead	103	1.0	µg/L	100	0.90	102	70-130			
Zinc	106	1.0	"	100	ND	106	70-130			

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

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 B2K0912 - EPA 200 Series										
Matrix Spike (B2K0912-MS2)	**Source: 1211104-11**			Prepared: 11/09/12		Analyzed: 11/13/12				
Aluminum	186	25	µg/L	100	79	107	70-130			
Copper	195	1.0	"	100	84	111	70-130			
Iron	0.233	0.025	mg/L	0.100	0.12	113	70-130			
Lead	107	1.0	µg/L	100	5.4	102	70-130			
Zinc	258	1.0	"	100	160	98.0	70-130			
Matrix Spike Dup (B2K0912-MSD1)	**Source: 1211104-01**			Prepared: 11/09/12		Analyzed: 11/13/12				
Aluminum	91.9	25	µg/L	100	ND	91.9	70-130	4.88	30	
Copper	100	1.0	"	100	0.50	99.5	70-130	0.995	30	
Iron	0.0896	0.025	mg/L	0.100	ND	89.6	70-130	1.12	30	
Lead	104	1.0	µg/L	100	0.90	103	70-130	0.966	30	
Zinc	109	1.0	"	100	ND	109	70-130	2.79	30	
Matrix Spike Dup (B2K0912-MSD2)	**Source: 1211104-11**			Prepared: 11/09/12		Analyzed: 11/13/12				
Aluminum	179	25	µg/L	100	79	100	70-130	3.84	30	
Copper	193	1.0	"	100	84	109	70-130	1.03	30	
Iron	0.223	0.025	mg/L	0.100	0.12	103	70-130	4.39	30	
Lead	105	1.0	µg/L	100	5.4	99.6	70-130	1.89	30	
Zinc	255	1.0	"	100	160	95.0	70-130	1.17	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

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 B2K1240 - EPA 200 Series										
Blank (B2K1240-BLK1)				Prepared: 11/12/12 Analyzed: 11/13/12						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2K1240-BS1)				Prepared: 11/12/12 Analyzed: 11/13/12						
Copper	108	1.0	µg/L	100		108	85-115			
Zinc	115	1.0	"	100		115	85-115			
Matrix Spike (B2K1240-MS1)	**Source: 1211104-02**			Prepared: 11/12/12 Analyzed: 11/13/12						
Copper	382	1.0	µg/L	100	150	232	70-130			QM-07
Zinc	580	1.0	"	100	390	190	70-130			QM-07
Matrix Spike Dup (B2K1240-MSD1)	**Source: 1211104-02**			Prepared: 11/12/12 Analyzed: 11/13/12						
Copper	378	1.0	µg/L	100	150	228	70-130	1.05	30	QM-07
Zinc	575	1.0	"	100	390	185	70-130	0.866	30	QM-07

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

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 B2K0908 - EPA 3510C Sep Funnel										
Blank (B2K0908-BLK1)				Prepared: 11/07/12 Analyzed: 11/12/12						
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	*0.105*		*"*	*0.100*		*105*	*60-175*			
Surrogate: o-Terphenyl	*0.105*		*"*	*0.100*		*105*	*60-175*			
Surrogate: o-Terphenyl	*0.105*		*"*	*0.100*		*105*	*60-175*			
LCS (B2K0908-BS1)				Prepared: 11/07/12 Analyzed: 11/12/12						
Diesel Range Organics (C10-C24)	0.459	0.050	mg/L	0.500		91.8	80-120			
Diesel Range Organics (C10-C24)	0.459	0.050	"	0.500		91.8	80-120			
Diesel Range Organics (C10-C24)	0.459	0.050	"	0.500		91.8	80-120			
LCS (B2K0908-BS2)				Prepared: 11/07/12 Analyzed: 11/12/12						
Diesel Range Organics (C10-C24)	0.486	0.050	mg/L	0.500		97.2	80-120			
Diesel Range Organics (C10-C24)	0.486	0.050	"	0.500		97.2	80-120			
Diesel Range Organics (C10-C24)	0.486	0.050	"	0.500		97.2	80-120			
LCS Dup (B2K0908-BSD1)				Prepared: 11/07/12 Analyzed: 11/12/12						
Diesel Range Organics (C10-C24)	0.459	0.050	mg/L	0.500		91.8	80-120	0.00	30	
Diesel Range Organics (C10-C24)	0.459	0.050	"	0.500		91.8	80-120	0.00	30	
Diesel Range Organics (C10-C24)	0.459	0.050	"	0.500		91.8	80-120	0.00	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/12/12 15:25

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2K1230 - EPA 3510C Sep Funnel										
Blank (B2K1230-BLK1)				Prepared: 11/09/12 Analyzed: 11/12/12						
PCB-1016	ND	0.50	µg/L							
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	*0.228*		*"*	*0.250*		*91.2*	*42-147*			
Surrogate: Tetrachloro-meta-xylene	*0.282*		*"*	*0.250*		*113*	*42-147*			
LCS (B2K1230-BS1)				Prepared: 11/09/12 Analyzed: 11/12/12						
PCB-1260	1.85	0.50	µg/L	2.00		92.5	80-120			
LCS (B2K1230-BS2)				Prepared: 11/09/12 Analyzed: 11/12/12						
PCB-1260	2.33	0.50	µg/L	2.00		116	80-120			
LCS Dup (B2K1230-BSD1)				Prepared: 11/09/12 Analyzed: 11/12/12						
PCB-1260	2.11	0.50	µg/L	2.00		106	80-120	13.1	30	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	12/12/12 15:25

Notes and Definitions

D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
D-42	Sample non-detect (ND) for requested fuel type. Other hydrocarbons may be present.
D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Certificate of Analysis

Report Date: 11/21/12 12:05
Received Date: 11/19/12 14:30
Turnaround Time: 2 workdays

Project: 1211104

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 11/19/2012 with the Chain of Custody document. The samples were received in good condition, at 4.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 2K19050-01 **Sample ID: C-B03-2-110812 (1211104-03)** **Matrix:** Water
Sampled by: Client **Sampled: 11/08/12 09:20**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 17:36	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 17:36	W2K0913	

Lab Sample ID: 2K19050-02 **Sample ID: C-B05-3-110812 (1211104-04)** **Matrix:** Water
Sampled by: Client **Sampled: 11/08/12 06:05**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 18:04	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 18:04	W2K0913	

Lab Sample ID: 2K19050-03 **Sample ID: C-B05-4-110812 (1211104-05)** **Matrix:** Water
Sampled by: Client **Sampled: 11/08/12 09:08**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 18:33	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 18:33	W2K0913	

Lab Sample ID: 2K19050-04 **Sample ID: C-B06-5-110812 (1211104-06)** **Matrix:** Water
Sampled by: Client **Sampled: 11/08/12 07:30**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 19:02	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 19:02	W2K0913	

Lab Sample ID: 2K19050-05 **Sample ID: C-B07-6-110812 (1211104-07)** **Matrix:** Water
Sampled by: Client **Sampled: 11/08/12 06:50**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 19:31	W2K0913	

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Certificate of Analysis

Lab Sample ID: 2K19050-05 **Sample ID:** C-B07-6-110812 (1211104-07) **Matrix:** Water
Sampled by: Client **Sampled:** 11/08/12 06:50

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 19:31	W2K0913	

Lab Sample ID: 2K19050-06 **Sample ID:** C-B07-7-110812 (1211104-08) **Matrix:** Water
Sampled by: Client **Sampled:** 11/08/12 08:50

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 20:0(	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 20:0(	W2K0913	

Lab Sample ID: 2K19050-07 **Sample ID:** C-B08-10A-110812 (1211104-09) **Matrix:** Water
Sampled by: Client **Sampled:** 11/08/12 06:00

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 20:2(	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 20:2(	W2K0913	

Lab Sample ID: 2K19050-08 **Sample ID:** C-B08-8-110812 (1211104-10) **Matrix:** Water
Sampled by: Client **Sampled:** 11/08/12 05:20

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 20:5(	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 20:5(	W2K0913	

Lab Sample ID: 2K19050-09 **Sample ID:** C-B12-9A-110812 (1211104-11) **Matrix:** Water
Sampled by: Client **Sampled:** 11/08/12 05:35

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	11/20/12	11/20/12 21:27	W2K0913	
Propylene glycol	ND		50	mg/l	1	EPA 8015B	11/20/12	11/20/12 21:27	W2K0913	

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Certificate of Analysis

Quality Control Section

Glycols by EPA Method 8015B - Quality Control

Batch W2K0913 - EPA 8015B

Blank (W2K0913-BLK1) — Prepared: 11/20/12 — Analyzed: 11/21/12 09:31

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 (W2K0913-BS1) — Prepared: 11/20/12 — Analyzed: 11/21/12 09:31

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol		90.4		mg/l	100	90	45-159		

Matrix Spike (W2K0913-MS1) — Source: 2K19050-01 — Prepared: 11/20/12 — Analyzed: 11/20/12 15:11

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	ND	87.9		mg/l	100	88	40-163		

Matrix Spike Dup (W2K0913-MSD1) — Source: 2K19050-01 — Prepared: 11/20/12 — Analyzed: 11/20/12 16:09

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	ND	89.6		mg/l	100	90	40-163	2	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
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Sample Receipt Acknowledgement

WORK ORDER: 2K19050

Printed: 11/20/2012 5:17:00PM

Client: Sierra Analytical Labs, Inc.
Project: 8000

Project Manager: Kim G Tu
Project Number: 1211104

Report To:
Sierra Analytical Labs, Inc.
Nick Forsyth
26052 Merit Circle, Suite 104
Laguna Hills, CA 92653
Phone: (949) 348-9389
Fax: (949) 348-9115

Invoice To:
Sierra Analytical Labs, Inc.
Andrew Kim
26052 Merit Circle, Suite 104
Laguna Hills, CA 92653
Phone :(949) 348-9389
Fax: (949) 348-9115

Date Due: **11/21/12 15:00 (2 day TAT)**

Received By: Jaime Gomez
Logged In By: Jaime Gomez

Date Received: 11/19/12 14:30
Date Logged In: 11/19/12 14:37

Samples Received at:	**4.3°C**	All containers intact:	**Yes**	Chain of custody completed:	**Yes**
Number of Ice chests/packages:	**1**	Custody seals preser	**NA**	Sample labels & COC agree:	**Yes**
		Custody seals intact:	**NA**	Samples preserved properly:	**Yes**
Appropriate Sample Containers:	**Yes**	Samples received on ic	**Yes**	Sample volume sufficient:	**Yes**
		Custody Seals	**No**	Sufficient holding time for all tests:	**Yes**

Analysis	TAT	Expires	Comments
2K19050-01 C-B03-2-110812 (1211104-03) [Water] Sampled 11/08/12 09:20 Pacific			
8015B Water Glycol	2	11/22/12 09:20	
2K19050-02 C-B05-3-110812 (1211104-04) [Water] Sampled 11/08/12 06:05 Pacific			
8015B Water Glycol	2	11/22/12 06:05	
2K19050-03 C-B05-4-110812 (1211104-05) [Water] Sampled 11/08/12 09:08 Pacific			
8015B Water Glycol	2	11/22/12 09:08	
2K19050-04 C-B06-5-110812 (1211104-06) [Water] Sampled 11/08/12 07:30 Pacific			
8015B Water Glycol	2	11/22/12 07:30	
2K19050-05 C-B07-6-110812 (1211104-07) [Water] Sampled 11/08/12 06:50 Pacific			
8015B Water Glycol	2	11/22/12 06:50	
2K19050-06 C-B07-7-110812 (1211104-08) [Water] Sampled 11/08/12 08:50 Pacific			
8015B Water Glycol	2	11/22/12 08:50	
2K19050-07 C-B08-10A-110812 (1211104-09) [Water] Sampled 11/08/12 06:00 Pacific			
8015B Water Glycol	2	11/22/12 06:00	
2K19050-08 C-B08-8-110812 (1211104-10) [Water] Sampled 11/08/12 05:20 Pacific			
8015B Water Glycol	2	11/22/12 05:20	
2K19050-09 C-B12-9A-110812 (1211104-11) [Water] Sampled 11/08/12 05:35 Pacific			
8015B Water Glycol	2	11/22/12 05:35	

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www.wecklabs.com

Sample Receipt Acknowledgement

WORK ORDER: 2K19050

Printed: 11/20/2012 5:17:00PM

Client: Sierra Analytical Labs, Inc.
Project: 8000

Project Manager: Kim G Tu
Project Number: 1211104

Comments:

Kim Tu

Authorized Signature

11/20/2012

Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

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

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1211104

Comments ZK19050

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:

Weck Laboratories
14859 E. Clark Ave.
City of Industry, CA 91745
Phone : (626) 336-2139
Fax: (626) 336-2634

Analysis	Expires	Sampled:	Laboratory ID	Comments
Sample ID: C-B03-2-110812 (1211104-03)	**Liquid**	**11/08/12 09:20**		
8015B Glycols	11/22/12 09:20			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B05-3-110812 (1211104-04)	**Liquid**	**11/08/12 06:05**		
8015B Glycols	11/22/12 06:05			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B05-4-110812 (1211104-05)	**Liquid**	**11/08/12 09:08**		
8015B Glycols	11/22/12 09:08			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B06-5-110812 (1211104-06)	**Liquid**	**11/08/12 07:30**		
8015B Glycols	11/22/12 07:30			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B07-6-110812 (1211104-07)	**Liquid**	**11/08/12 06:50**		
8015B Glycols	11/22/12 06:50			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			

Special Instructions :

☐ Intact ☐ Sample Seals
☐ Properly Labeled ☐ Chilled TEMP (°C) 4.3 C
☐ Appropriate Container ☐ Preservatives - Verified By

Relinquished By	Date / Time	Received By	Date / Time
[signature]	11-9-12 1430	Jamesmen	11/9/12 1430
Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time

SIERRA ANALYTICAL

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1211104

Comments 2K19050

Analysis	Expires	Sampled:	Laboratory ID	Comments
Sample ID: C-B07-7-110812 (1211104-08)	**Liquid**	**11/08/12 08:50**		
8015B Glycols	11/22/12 08:50			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B08-10A-110812 (1211104-09)	**Liquid**	**11/08/12 06:00**		
8015B Glycols	11/22/12 06:00			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B08-8-110812 (1211104-10)	**Liquid**	**11/08/12 05:20**		
8015B Glycols	11/22/12 05:20			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: C-B12-9A-110812 (1211104-11)	**Liquid**	**11/08/12 05:35**		
8015B Glycols	11/22/12 05:35			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			

Special Instructions :

- ☐ Intact
- ☐ Sample Seals
- ☐ Properly Labeled
- ☐ Chilled TEMP (°C) 4.3°C
- ☐ Appropriate Container
- ☐ Preservatives - Verified By

Relinquished By	Date / Time	Received By	Date / Time
	11-19-12 Kept @ 1430	Jeanna Gomez	11/19/12 1430
Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time

1211104

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-07-6-110812BLK	11/08/12	0650	Oil & Grease	1L Clear Glass	4°C	1
	C-B-07-6-110812BLK	11/08/12	0650	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
	C-B-07-6-110812BLK	11/08/12	0650	TSS, total (Al, Cu, Fe, Pb, Zn), ammonia, MBAS	0.5 Gallon Plastic	4°C	2
	C-B-07-6-110812BLK			TSS, total (Al, Cu, Fe, Pb, Zn), ammonia, MBAS	1gl	4°C	AW
02	C-B-08-8-110812 AW, 07-6-110812 DUP	11/08/12	0525	Ethylene glycol	40 mL Vial	4°C	2

Sampler's Initials: AW, AJ, LX

Relinquished By: Anna Wernet Date/Time: 11/8/12; 1321 Received By: Date/Time: 11/8/12; 1321

Relinquished By: Date/Time: 11-8-12 1530 Received By: Date/Time: 11-8-12 @ 1530

12C104

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
08 C-B-08-8-110812DUP	11/08/12	0525	Oil & Grease	1L Clear Glass	4°C	1
C-B-08-8-110812DUP	11/08/12	0525	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
C-B-08-8-110812DUP	11/08/12	0525	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
C-B01-1A			Ethylene glycol	40 ml Vial	4°C	AW
C-B01-1A			Oil & Grease	1L Clear Glass	4°C	AW

Sampler's Initials: AW, AJ, LX

Relinquished By: AnnaWermelt Date/Time: 11/8/12, 1321 Received By: Date/Time:

Relinquished By: Date/Time: 11-8-12 1530 Received By: Date/Time: 11-8-12 @ 1530

12111004

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-B01-1A			pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	AW
C-B01-1A			TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	AW
C-B03-2-110812	11/08/12	0920	Ethylene glycol	40 mL Vial	4°C	2
C-B03-2-110812	11/08/12	0920	Oil & Grease	1L Clear Glass	4°C	1
C-B03-2-110812	11/08/12	0920	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2

Sampler's Initials: AW, AJ, LX

Relinquished By: Anna Weinert Date/Time: 11/8/12; 1321 Received By: _____ Date/Time: 11-8-12 1321

Relinquished By: _____ Date/Time: 11-8-12 1530 Received By: _____ Date/Time: 11-8-12 @ 1530

12111104

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-B03-2-110812	11/08/12	0920	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
04	C-B05-3-110812	11/08/12	0605	Ethylene glycol	40 mL Vial	4°C	2
	C-B05-3-110812	11/08/12	0605	Oil & Grease	1L Clear Glass	4°C	1
	C-B05-3-110812	11/08/12	0605	PCB	1L Amber Glass	4°C	1
	C-B05-3-110812	11/08/12	0605	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2

Sampler's Initials: AW, AJ, LX

Relinquished By: Anna Weinert Date/Time: 11/8/12, 1321 Received By: [signature] Date/Time: 11-8-12 1321

Relinquished By: [signature] Date/Time: 11-8-12 1530 Received By: [signature] Date/Time: 11-8-12 @ 1530

1211104

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
04	C-B05-3-110812	11/08/12	0805	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
05	C-B05-4-110812	11/08/12	0908	Ethylene glycol	40 mL Vial	4°C	2
	C-B05-4-110812	11/08/12	0908	Oil & Grease	1L Clear Glass	4°C	1
	C-B05-4-110812	11/08/12	0908	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B05-4-110812	11/08/12	0908	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1

Sampler's Initials: AW, AJ, LX

Relinquished By: Anna Wernet Date/Time: 11/8/12, 13:21 Received By: Date/Time: 11-8-12 1321

Relinquished By: Date/Time: 11-8-12 1530 Received By: Date/Time: 11-8-12 1530

1311104

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
06	C-B06-5-110812	11/08/12	0730	Ethylene glycol	40 mL Vial	4°C	2
	C-B06-5-110812	11/08/12	0730	Oil & Grease	1L Clear Glass	4°C	1
	C-B06-5-110812	11/08/12	0730	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B06-5-110812	11/08/12	0730	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
07	C-B07-6-110812	11/08/12	~~0730~~ ~~0745~~ 0650	Ethylene glycol	40 mL Vial	4°C	2

Sampler's Initials: AW, AJ, LX

Relinquished By: Amanda Archenhold Date/Time: 11/8/12, 1321 Received By: _____ Date/Time: 11-8-12 1321

Relinquished By: _____ Date/Time: 11-8-12 1530 Received By: _____ Date/Time: 11-8-12 @ 1530

1311104

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
07	C-B07-6-110812	11/08/12	0650	Oil & Grease	1L Clear Glass	4°C	1
↓	C-B07-6-110812	11/08/12	0650	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
↓	C-B07-6-110812	11/08/12	0650	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
08	C-B07-7-110812	11/08/12	0850	Ethylene glycol	40 mL Vial	4°C	2
↓	C-B07-7-110812	11/08/12	0850	Oil & Grease	1L Clear Glass	4°C	1

Sampler's Initials: AW, AJ, LX

Relinquished By: [signature] Date/Time: 11/8/12 ; 1321 Received By: [signature] Date/Time: 11-8-12 1321

Relinquished By: [signature] Date/Time: 11-8-12 1530 Received By: [signature] Date/Time: 11-8-12 @ 1530

1211104

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
08	C-B07-7-11082	11/08/12	0850	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
↓	C-B07-7-11082	11/08/12	0850	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
09	C-B08-10A-11082	11/08/12	0600	Ethylene glycol	40 mL Vial	4°C	2
	C-B08-10A-11082	11/08/12	0600	Oil & Grease	1L Clear Glass	4°C	1
	C-B08-10A-11082	11/08/12	0600	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2

Sampler's Initials: AW, AJF, LX

Relinquished By: Amanda Archenhold Date/Time: 11/8/12, 1321 Received By: _____ Date/Time: 11-8-12 1321

Relinquished By: _____ Date/Time: 11-8-12 1530 Received By: _____ Date/Time: 11-8-12 @ 1530

13K10K

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
09	C-B08-10A-110812	11/08/12	600	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
10	C-B08-8-110812	11/08/12	0520	Ethylene glycol	40 mL Vial	4°C	2
	C-B08-8-110812	11/08/12	0520	Oil & Grease	1L Clear Glass	4°C	1
	C-B08-8-110812	11/08/12	0520	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
	C-B08-8-110812	11/08/12	0520	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1

Sampler's Initials: AW, AJ, LX

Relinquished By: Anna Weinelt Date/Time: 11/8/12 ; 1321 Received By: Date/Time: 11-8-12 1321

Relinquished By: Date/Time: 11-8-12 1530 Received By: Date/Time: 11-8-12 @ 1530

1d11104

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-110812	11/08/12	0535	Ethylene glycol	40 mL Vial	4°C	2
C-B12-9A-110812	11/08/12	0535	Oil & Grease	1L Clear Glass	4°C	1
C-B12-9A-110812	11/08/12	0535	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
C-B12-9A-110812	11/08/12	0535	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
S-B06-12			Ethylene glycol	40 mL Vial	4°C	AW

Sampler's Initials: AW, LX, AJ

Relinquished By: Anna Weirnt Date/Time: 11/8/12; 1321 Received By: Date/Time: 11-8-12 1321

Relinquished By: Date/Time: 11-8-12 1530 Received By: Date/Time: 11-8-12 @ 1530

Third Storm Event

SIERRA ANALYTICAL

03 January 2013

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

RE:San Diego Airport

Work Order No.: 1212148

Attached are the results of the analyses for samples received by the laboratory on 12/13/12 11:00.

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.

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	01/03/13 13:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1A-121312	1212148-01	Liquid	12/13/12 04:15	12/13/12 11:00
S-B06-12-121312	1212148-02	Liquid	12/13/12 04:35	12/13/12 11:00

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/03/13 13:57

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-121312 (1212148-01) Liquid	**Sampled: 12/13/12 04:15**		**Received: 12/13/12 11:00**						
Ammonia as N	**0.360**	0.100	mg/L	1	B2L1849	12/13/12	12/13/12 15:45	SM 4500-NH3	
Biochemical Oxygen Demand	**10.4**	2.00	"	"	"	"	12/18/12 15:45	EPA 405.1	
Chemical Oxygen Demand	**25.0**	0.100	"	"	"	"	12/13/12 15:45	EPA 410.4	
Specific Conductance (EC)	**146**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.110**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.86**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**7.00**	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

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/03/13 13:57

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-121312 (1212148-01) Liquid	**Sampled: 12/13/12 04:15**		**Received: 12/13/12 11:00**						
Aluminum	**400**	25	µg/L	1	B2L1750	12/17/12	12/21/12 16:53	EPA 200.8	
Copper	**18**	1.0	"	"	"	"	"	"	
Iron	**0.50**	0.025	mg/L	"	"	"	"	"	
Lead	**1.0**	1.0	µg/L	"	"	"	"	"	
Zinc	**84**	1.0	"	"	"	"	"	"	

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

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	01/03/13 13:57

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-121312 (1212148-01) Liquid	**Sampled: 12/13/12 04:15**		**Received: 12/13/12 11:00**						
Copper	**9.0**	1.0	µg/L	1	B2L1751	12/17/12	12/21/12 16:47	EPA 200.8	
Zinc	**53**	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	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	01/03/13 13:57

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-121312 (1212148-01) Liquid	**Sampled: 12/13/12 04:15**		**Received: 12/13/12 11:00**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B2L1337	12/14/12	12/20/12 12:40	EPA 8015B	
Surrogate: o-Terphenyl		*99.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*99.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*99.8 %*	*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	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/03/13 13:57

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 B2L1750 - EPA 200 Series										
Blank (B2L1750-BLK1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2L1750-BS1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	97.6	25	µg/L	100		97.6	85-115			
Copper	106	1.0	"	100		106	85-115			
Iron	0.107	0.025	mg/L	0.100		107	85-115			
Lead	106	1.0	µg/L	100		106	85-115			
Zinc	114	1.0	"	100		114	85-115			
Matrix Spike (B2L1750-MS1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	557	25	µg/L	100	400	157	70-130			QM-07
Copper	125	1.0	"	100	18	107	70-130			
Iron	0.645	0.025	mg/L	0.100	0.50	145	70-130			QM-07
Lead	104	1.0	µg/L	100	1.0	103	70-130			
Zinc	188	1.0	"	100	84	104	70-130			
Matrix Spike Dup (B2L1750-MSD1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	575	25	µg/L	100	400	175	70-130	3.18	30	QM-07
Copper	127	1.0	"	100	18	109	70-130	1.59	30	
Iron	0.662	0.025	mg/L	0.100	0.50	162	70-130	2.60	30	QM-07
Lead	108	1.0	µg/L	100	1.0	107	70-130	3.77	30	
Zinc	195	1.0	"	100	84	111	70-130	3.66	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/03/13 13:57

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 B2L1751 - EPA 200 Series										
Blank (B2L1751-BLK1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2L1751-BS1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	114	1.0	µg/L	100		114	85-115			
Zinc	126	1.0	"	100		126	85-130			
Matrix Spike (B2L1751-MS1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	121	1.0	µg/L	100	9.0	112	70-130			
Zinc	164	1.0	"	100	53	111	70-130			
Matrix Spike Dup (B2L1751-MSD1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	121	1.0	µg/L	100	9.0	112	70-130	0.00	30	
Zinc	164	1.0	"	100	53	111	70-130	0.00	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/03/13 13:57

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 B2L1337 - EPA 3510C Sep Funnel										
Blank (B2L1337-BLK1)				Prepared & Analyzed: 12/10/12						
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	*0.0801*		*"*	*0.100*		*80.1*	*60-175*			
Surrogate: o-Terphenyl	*0.0801*		*"*	*0.100*		*80.1*	*60-175*			
Surrogate: o-Terphenyl	*0.0801*		*"*	*0.100*		*80.1*	*60-175*			
LCS (B2L1337-BS1)				Prepared & Analyzed: 12/10/12						
Diesel Range Organics (C10-C24)	0.543	0.050	mg/L	0.500		109	80-120			
Diesel Range Organics (C10-C24)	0.543	0.050	"	0.500		109	80-120			
Diesel Range Organics (C10-C24)	0.543	0.050	"	0.500		109	80-120			
LCS (B2L1337-BS2)				Prepared & Analyzed: 12/10/12						
Diesel Range Organics (C10-C24)	0.428	0.050	mg/L	0.500		85.6	80-120			
Diesel Range Organics (C10-C24)	0.428	0.050	"	0.500		85.6	80-120			
Diesel Range Organics (C10-C24)	0.428	0.050	"	0.500		85.6	80-120			
LCS Dup (B2L1337-BSD1)				Prepared & Analyzed: 12/10/12						
Diesel Range Organics (C10-C24)	0.537	0.050	mg/L	0.500		107	80-120	1.11	30	
Diesel Range Organics (C10-C24)	0.537	0.050	"	0.500		107	80-120	1.11	30	
Diesel Range Organics (C10-C24)	0.537	0.050	"	0.500		107	80-120	1.11	30	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	01/03/13 13:57

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Weck Laboratories, Inc.
Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 12/26/12 17:09
Received Date: 12/18/12 12:15
Turnaround Time: Normal

Project: 1212148

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 12/18/2012 with the Chain of Custody document. The samples were received in good condition, at 2.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 2L18052-01 **Sample ID: C-B01-1A-121312 (1212148-01)** **Matrix:** Water
Sampled by: Client **Sampled: 12/13/12 04:15**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed		Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	12/24/12	12/25/12	4:48	W2L1076	
Propylene glycol	ND		20	mg/l	1	EPA 8015B	12/24/12	12/25/12	4:48	W2L1076	

Lab Sample ID: 2L18052-02 **Sample ID: C-B06-12-121312 (1212148-02)** **Matrix:** Water
Sampled by: Client **Sampled: 12/13/12 04:35**

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed		Batch	Qualifier
Ethylene glycol	ND		10	mg/l	1	EPA 8015B	12/24/12	12/25/12	5:46	W2L1076	
Propylene glycol	ND		20	mg/l	1	EPA 8015B	12/24/12	12/25/12	5:46	W2L1076	

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 W2L1076 - EPA 8015B

Blank (W2L1076-BLK1) — **Prepared: 12/24/12** — **Analyzed: 12/25/12 01:25**

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 (W2L1076-BS1) — **Prepared: 12/24/12** — **Analyzed: 12/25/12 01:54**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol		85.5		mg/l	100	86	45-159		

Matrix Spike (W2L1076-MS1) — **Source: 2L18052-01** — **Prepared: 12/24/12** — **Analyzed: 12/25/12 02:52**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	ND	97.5		mg/l	100	97	40-163		

Matrix Spike Dup (W2L1076-MSD1) — **Source: 2L18052-01** — **Prepared: 12/24/12** — **Analyzed: 12/25/12 03:50**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethylene glycol	ND	95.3		mg/l	100	95	40-163	2	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

Weck Laboratories, Inc.
Environmental and Analytical Services - Since 1964

Sample Receipt Acknowledgement

WORK ORDER: 2L18052

Printed: 12/19/2012 1:08:33PM

Client: Sierra Analytical Labs, Inc.
Project: 8000

Project Manager: Kim G Tu
Project Number: 1212148

Report To:
Sierra Analytical Labs, Inc.
Nick Forsyth
26052 Merit Circle, Suite 104
Laguna Hills, CA 92653
Phone: (949) 348-9389
Fax: (949) 348-9115

Invoice To:
Sierra Analytical Labs, Inc.
Andrew Kim
26052 Merit Circle, Suite 104
Laguna Hills, CA 92653
Phone :(949) 348-9389
Fax: (949) 348-9115

Date Due: **01/03/13 15:00 (10 day TAT)**

Received By: Jaime Gomez
Logged In By: Jaime Gomez

Date Received: 12/18/12 12:15
Date Logged In: 12/18/12 13:22

Samples Received at:	**2.3°C**	All containers intact:	**Yes**	Chain of custody completed:	**Yes**
Number of Ice chests/packages:	**1**	Custody seals preser	**NA**	Sample labels & COC agree:	**Yes**
		Custody seals intact:	**NA**	Samples preserved properly:	**Yes**
Appropriate Sample Containers:	**Yes**	Samples received on ic	**Yes**	Sample volume sufficient:	**Yes**
		Custody Seals	**No**	Sufficient holding time for all tests:	**Yes**

Analysis	TAT	Expires	Comments
2L18052-01 C-B01-1A-121312 (1212148-01) [Water] Sampled 12/13/12 04:15 Pacific			
8015B Water Glycol	10	12/27/12 04:15	
2L18052-02 C-B06-12-121312 (1212148-02) [Water] Sampled 12/13/12 04:35 Pacific			
8015B Water Glycol	10	12/27/12 04:35	

Comments:

Authorized Signature

12/19/2012
Date

Note:
If any of the information included in this sample receipt acknowledgement is incorrect (sample information, analysis, etc), please contact the lab at (626) 336-2139. Thank you.

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

SIERRA ANALYTICAL

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1212148

Comments 2L18052

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:

Weck Laboratories
14859 E. Clark Ave.
City of Industry, CA 91745
Phone : (626) 336-2139
Fax: (626) 336-2634

Analysis	Expires	Sampled:	Laboratory ID	Comments
Sample ID: C-B01-1A-121312 (1212148-01)	**Liquid**	**12/13/12 04:15**		
8015B Glycols	12/27/12 04:15			
Containers Supplied:				
Voa Vial (E)	Voa Vial (F)			
Sample ID: S-B06-12-121312 (1212148-02)	**Liquid**	**12/13/12 04:35**		
8015B Glycols	12/27/12 04:35			
Containers Supplied:				
Voa Vial (B)	Voa Vial (C)			

Special Instructions :

☐ Intact
☐ Properly Labeled
☐ Appropriate Container
☐ Sample Seals
☐ Chilled TEMP (°C) 2.3°C
☐ Preservatives - Verified By ____

Relinquished By	Date / Time	Received By	Date / Time
[signature]	12/18/12 @ 12:15	Jaime Limon	12/18/12 1215
Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time

1212148

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-B- DUP			Oil & Grease	1L Clear Glass	4°C	AW
C-B- DUP			pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, Ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	AW
C-B- DUP			TPH (diesel fuel, diesel, motor oil)	1L Amber Glass	4°C	AW
01 C-B01-1A 121312	12/13/2012 0415 AW	0415	Ethylene glycol	40 mL Vial	4°C	2
↓ C-B01-1A 121312	12/13/2012 0415 AW	0415	Oil & Grease	1L Clear Glass	4°C	1

Sampler's Initials: AW, MY

Relinquished By: Anna Wernet Date/Time: 12/13/12; 1100 Received By: [signature] Date/Time: 12/13/12; 1100

Relinquished By: [signature] Date/Time: 12-13-12 1430 Received By: [signature] Date/Time: 1400 12-13-12 1430

1318148

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-B01-1A 12/3/2	12/13/2012	0415	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	2
↓ C-B01-1A 12/13/2	12/13/2012	0415	TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C	1
C-B03-2			Ethylene glycol	40 mL Vial	4°C	AW
C-B03-2			Oil & Grease	1L Clear Glass	4°C	AW
C-B03-2			pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C	AW

Sampler's Initials: AW, MT

Relinquished By: Anna Wernet Date/Time: 12/13/12; 1100

Received By: [signature] Date/Time: 12/13/12; 1100

Relinquished By: [signature] Date/Time: 12-13-12 1430

Received By: [signature] Date/Time: ~~1100~~ 12-13-12 @ 1430

1212148

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			Ethylene glycol	40 mL Vial	4°C		AW
C-B12-9A			Oil & Grease	1L Clear Glass	4°C		AW
C-B12-9A			pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, ammonia, MBAS, Specific Conductance	0.5 Gallon Plastic	4°C		AW
C-B12-9A			TPH (Jet fuel, diesel, motor oil)	1L Amber Glass	4°C		AW
02 S-B06-12	12/13/12	0435	Ethylene glycol	40 mL Vial	4°C	2	

Sampler's Initials: AW, MP

Relinquished By: Anna Wernet Date/Time: 12/13/12, Received By: Date/Time: 12/13/12, 1100

Relinquished By: Date/Time: 12-13-12 1430 Received By: Date/Time: 12:57@

1218148

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
as S-B06-12 12/3/12	12/13/12	0435	Particle Size Distribution	1L Amber Glass	4°C	1

AW

Sampler's Initials: AW, MT

Relinquished By: Anna Wernet Date/Time: 12/13/12, Received By: Date/Time: 12/13/12, 1100

Relinquished By: Date/Time: 12-13-12 1430 Received By: Date/Time: 12-13-12 @ 1430

SIERRA ANALYTICAL

26 December 2012

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

RE:San Diego Airport

Work Order No.: 1212181

Attached are the results of the analyses for samples received by the laboratory on 12/14/12 12:00.

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.

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	12/26/12 10:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-B06-12-121312	1212181-01	Liquid	12/13/12 12:59	12/14/12 12:00
S-B06-12-121312-BL	1212181-02	Liquid	12/13/12 12:59	12/14/12 12:00

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

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/26/12 10:56

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-121312 (1212181-01) Liquid	**Sampled: 12/13/12 12:59**		**Received: 12/14/12 12:00**						
Biochemical Oxygen Demand	**11.0**	2.00	mg/L	1	B2L1956	12/14/12	12/19/12 16:15	EPA 405.1	
Chemical Oxygen Demand	**23.0**	0.100	"	"	"	"	12/14/12 16:15	EPA 410.4	
Specific Conductance (EC)	**70.1**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.85**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**8.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-121312-BL (1212181-02) Liquid	**Sampled: 12/13/12 12:59**		**Received: 12/14/12 12:00**						
Biochemical Oxygen Demand	ND	2.00	mg/L	1	B2L1956	12/14/12	12/19/12 16:15	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	12/14/12 16:15	EPA 410.4	
Specific Conductance (EC)	**2.00**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.67**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/26/12 10:56

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-121312 (1212181-01) Liquid Sampled: 12/13/12 12:59 Received: 12/14/12 12:00									
Aluminum	**76**	25	µg/L	1	B2L1750	12/17/12	12/21/12 16:53	EPA 200.8	
Copper	**9.5**	1.0	"	"	"	"	"	"	
Iron	**0.072**	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	**47**	1.0	"	"	"	"	"	"	
S-B06-12-121312-BL (1212181-02) Liquid Sampled: 12/13/12 12:59 Received: 12/14/12 12:00									
Aluminum	ND	25	µg/L	1	B2L1750	12/17/12	12/21/12 16:53	EPA 200.8	
Copper	ND	1.0	"	"	"	"	"	"	
Iron	ND	0.025	mg/L	"	"	"	"	"	
Lead	ND	1.0	µg/L	"	"	"	"	"	
Zinc	ND	1.0	"	"	"	"	"	"	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	12/26/12 10:56

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B06-12-121312 (1212181-01) Liquid	**Sampled: 12/13/12 12:59**		**Received: 12/14/12 12:00**						
Copper	**7.7**	1.0	µg/L	1	B2L1751	12/17/12	12/21/12 16:47	EPA 200.8	
Zinc	**37**	1.0	"	"	"	"	"	"	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/26/12 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 B2L1750 - EPA 200 Series										
Blank (B2L1750-BLK1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	ND	25	µg/L							
Copper	ND	1.0	"							
Iron	ND	0.025	mg/L							
Lead	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2L1750-BS1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	97.6	25	µg/L	100		97.6	85-115			
Copper	106	1.0	"	100		106	85-115			
Iron	0.107	0.025	mg/L	0.100		107	85-115			
Lead	106	1.0	µg/L	100		106	85-115			
Zinc	114	1.0	"	100		114	85-115			
Matrix Spike (B2L1750-MS1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	557	25	µg/L	100	400	157	70-130			QM-07
Copper	125	1.0	"	100	18	107	70-130			
Iron	0.645	0.025	mg/L	0.100	0.50	145	70-130			QM-07
Lead	104	1.0	µg/L	100	1.0	103	70-130			
Zinc	188	1.0	"	100	84	104	70-130			
Matrix Spike Dup (B2L1750-MSD1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Aluminum	575	25	µg/L	100	400	175	70-130	3.18	30	QM-07
Copper	127	1.0	"	100	18	109	70-130	1.59	30	
Iron	0.662	0.025	mg/L	0.100	0.50	162	70-130	2.60	30	QM-07
Lead	108	1.0	µg/L	100	1.0	107	70-130	3.77	30	
Zinc	195	1.0	"	100	84	111	70-130	3.66	30	

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	12/26/12 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 B2L1751 - EPA 200 Series										
Blank (B2L1751-BLK1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	ND	1.0	µg/L							
Zinc	ND	1.0	"							
LCS (B2L1751-BS1)				Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	114	1.0	µg/L	100		114	85-115			
Zinc	126	1.0	"	100		126	85-130			
Matrix Spike (B2L1751-MS1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	121	1.0	µg/L	100	9.0	112	70-130			
Zinc	164	1.0	"	100	53	111	70-130			
Matrix Spike Dup (B2L1751-MSD1)	**Source: 1212148-01**			Prepared: 12/17/12 Analyzed: 12/21/12						
Copper	121	1.0	µg/L	100	9.0	112	70-130	0.00	30	
Zinc	164	1.0	"	100	53	111	70-130	0.00	30	

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	12/26/12 10:56

Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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1212181

Analysis Request and Chain of Custody

SAN DIEGO AIRPORT

From:
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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	S-B06-12-121312	12/13/12	12:59	pH, TSS, total (Al, Cu, Fe, Pb, Zn), Dissolved (Cu, Zn), BOD, COD, Specific Conductance, O&G	19L	4°C	3
02	S-B06-12-121312-BL	12/13/12	12:59	pH, TSS, total(Al, Cu, Fe, Pb, Zn), BOD, COD, specific conductance, O&G	1 19L	4°C	1

Note:
Composite sample S-B06-12-121312 by following percentages:

Bottle 1 → 36%
Bottle 2 → 52%
Bottle 3 → 12%

4.0°

Sampler's Initials: KL, MR

Relinquished By: Anna Wernet Date/Time: 12/14/12 1200 Received By: [signature] Date/Time: 12/14/12. 1200

Relinquished By: [signature] Date/Time: 12-14-12 1410 Received By: [signature] Date/Time: 12-14-12 @ 1410