San Diego County Regional Airport Authority

Fiscal Year 2011-2012 Industrial Stormwater Permit Annual Report

July 2012

State of California
STATE WATER RESOURCES CONTROL BOARD

2011-2012

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2011 through June 30, 2012

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.waterboards.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

2011-2012

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

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

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

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

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

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

   Re-evaluation Date: ___/___/_____

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

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

   Re-evaluation Date: ___/___/_____

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

   iv. ☐ Received Regional Board Certification Certification Date: ___/___/_____

   v. ☐ Received Local Agency Certification Certification 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? 2

   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 facility's' 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 March 1 – 27, 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 storm water 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 occurred 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.

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ATTACHMENT SUMMARY

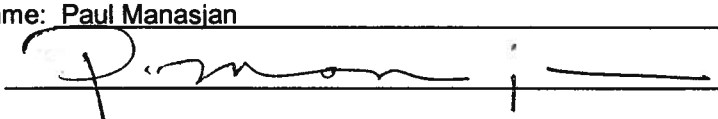
Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

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:  Date: 6/26/12

Title: Director, Environmental Affairs Department

Attachment 1

Explanations and Discussion of Analytical Data

2011 – 2012
ANNUAL REPORT
SAN DIEGO INTERNATIONAL AIRPORT (SDIA)
ATTACHMENT #1
REQUIRED EXPLANATIONS AND DISCUSSION OF ANALYTICAL DATA

1) <u>Explanations to General Information (pages 1-7 of the Annual Report)</u>

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. Three alternate sampling sites (CB01-1a, CB12-9a, and CB08-10a) were used during this wet season due to 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 month of October 2011 visual observations were conducted but not all ten sites were reached and observed before dark. In March 2012, the rain was not of sufficient intensity to allow for observations of flow within the first hour, and in April 2012, flow had ceased before all station could be observed. Lastly, in the month of May of 2012, 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 2011-2012 reporting period. Of these 300 analyses, a total of 102 samples had USEPA Multi-Sector Permit benchmark exceedances, an increase from the 50 exceedances in FY10-11 but less than the 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 and total and dissolved zinc. Historically these pollutants 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, 2011-2012 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)	1.98	2.14	20	9	45
BOD (mg/L)	21.6	30	20	7	35
COD (mg/L)	88.0	120	20	8	40
SC (µmhos/cm)	185.5	900	20	0	0
Oil & Grease (mg/L)	1.0	15	20	0	0
pH (pH unit)	6.77	6.0 – 9.0	20	0	0
TSS (mg/L)	9.5	100	20	0	0
Aluminum, Total (µg/L)	420	750	20	7	35
Copper, Total (µg/L)	155.0	14	20	20	100
Copper, Dissolved (µg/L)	120.0	14	20	18	90
Iron, Total (µg/L)	175.0	1,000	20	1	5
Lead, Total (µg/L)	3.95	82	20	0	0
Zinc, Total (µg/L)	330.0	120	20	16	80
Zinc, Dissolved (µg/L)	270.0	120	20	16	80
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.

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SAN DIEGO INTERNATIONAL AIRPORT (SDIA)
ATTACHMENT #1
REQUIRED EXPLANATIONS AND DISCUSSION OF ANALYTICAL DATA

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 102 exceedances reported for FY11-12 was more than the 50 exceedances reported in FY10-11 and less than the 113 exceedances in FY09-10, 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 difference in exceedances between sampling conducted in FY10-11 and FY11-12 is that the two rounds of compliance sampling for last season were performed on December 19, 2010, and December 29, 2010, and there were a number of storms prior to these two storms which were not sampled because they occurred at night. The two rounds of compliance sampling for this season were performed on October 5, 2011 and November 4, 2011, which were the first two storms of the season. Studies have shown the existence of a phenomenon known as "seasonal first flush," where by storms early in the southern California rainy season tend to have the highest pollutant concentrations and loads compared to subsequent storms later in the season. In response, the Airport Authority continues to evaluate historic data and to revise our stormwater sampling plan to document the seasonal first flush and develop BMPs using the implications of the seasonal first flush effect pollutant control and treatment.

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 and most recently in the spring of 2011. 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, and 2011 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. Revisions were made to the Authority's 2008 Storm Water Management Plan based on the findings from previous audits.

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

2011-2012 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: Amanda Archenhold TITLE: AMEC, Consultant SIGNATURE: A. T. Archenhold

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	10/5/2011 18:55	10/5/11 16:28	7.06	4.00	77.6	ND	ND	ND	0.085	0.12	0.17	1500
C-B03-2	10/5/2011 17:50	10/5/11 16:28	7.14	2.00	132	ND	0.140	ND	ND	ND	0.19	160
C-B05-3	10/5/2011 20:25	10/5/11 16:28	8.35	38.0	107	3.80	ND	ND	ND	0.29	0.11	110
C-B05-4	10/5/2011 18:17	10/5/11 16:28	7.01	20.0	182	ND	0.160	ND	0.24	0.46	0.18	740
C-B06-5	10/5/2011 19:07	10/5/11 16:28	6.54	17.0	187	ND	0.170	ND	0.18	0.29	0.16	190
C-B07-6	10/5/2011 19:35	10/5/11 16:28	6.67	29.0	111	ND	0.120	ND	0.88	1.6	0.26	980
		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	3.0
		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

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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: Amanda Archenhold TITLE: AMEC, Consultant SIGNATURE: A. L. Archenhold

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	10/5/2011 17:28	10/5/11 16:28	6.47	14.0	494	ND	0.180	ND	0.36	0.23	0.38	830
C-B08-8	10/5/2011 17:45	10/5/11 16:28	7.25	3.00	123	ND	ND	ND	0.51	0.45	0.089	97
C-B08-10a	10/5/2011 17:30	10/5/11 16:28	6.45	22.0	468.0	ND	0.200	ND	0.11	0.15	0.17	820
C-B12-9a	10/5/2011 18:00	10/5/11 16:28	7.09	ND	110	ND	ND	ND	0.14	0.33	0.17	86
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	3.0
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

2011-2012 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: Amanda Archenhold

TITLE: AMEC, Consultant

SIGNATURE: A. J. Archenhold

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	10/5/2011 18:55	10/5/11 16:28	890	41	1300	62	22	15.2	68.0	0.35	ND
C-B03-2	10/5/2011 17:50	10/5/11 16:28	150	53	380	350	340	10.4	50.00	2.75	ND
C-B05-3	10/5/2011 20:25	10/5/11 16:28	ND	26	6100	23	6.4	10.90	52.0	0.500	ND
C-B05-4	10/5/2011 18:17	10/5/11 16:28	630	9.6	1500	400	390	29.6	130	1.80	ND
C-B06-5	10/5/2011 19:07	10/5/11 16:28	180	3.2	770	280	280	24.2	108.0	2.25	ND
C-B07-6	10/5/2011 19:35	10/5/11 16:28	830	20	1600	160	110	18.3	91.0	1.35	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]	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

[1] Detection Limit was 3.0 for sites CB03-2, CB05-3, and CB06-5

2011-2012 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: Amanda Archenhold

TITLE: AMEC, Consultant

SIGNATURE: A. J. Archenhold

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	10/5/2011 17:28	10/5/11 16:28	820	4.3	740	320	320	63.0	302	1.95	ND
C-B08-8	10/5/2011 17:45	10/5/11 16:28	58	2.0	89	38	30	7.20	35.0	0.150	ND
C-B08-10a	10/5/2011 17:30	10/5/11 16:28	810	6.9	1300	270	230	129	550	5.40	ND
C-B12-9a	10/5/2011 18:00	10/5/11 16:28	62	ND[1]	93	38	22	6.10	34.0	0.600	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[2]	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

[1] Detection Limit was 2.0 on CB12-9A on 10/5/11

[2] Detection Limit was 3.0 for sites CB08-8 and CB12-9A

2011-2012 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: Amanda Archenhold TITLE: AMEC, Consultant SIGNATURE: A. J. Archenhold

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B01-1a	11/4/11 11:10	11/4/11 9:07	6.90	3.00	187.0	ND	ND	ND	ND	ND	0.10	290
C-B03-2	11/4/11 11:14	11/4/11 9:07	6.43	4.00	184	ND	0.250	ND	ND	ND	0.15	210
C-B05-3	11/4/11 12:10	11/4/11 9:07	6.88	16.0	317	ND	0.150	ND	ND	0.11	0.83	72
C-B05-4	11/4/11 10:48	11/4/11 9:07	6.31	19.00	330	2.10	0.210	ND	0.13	0.32	0.36	1400
C-B06-5	11/4/11 9:35	11/4/11 9:07	6.24	4.00	156	ND	0.180	ND	ND	ND	0.48	200
C-B07-6	11/4/11 11:30	11/4/11 9:07	6.29	5.00	141	ND	0.240	ND	ND	ND	1.8	450
		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	2.0
		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

2011-2012 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: Amanda Archenhold

TITLE: AMEC, Consultant SIGNATURE: A. L. Archenhold

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	11/4/11 9:10	11/4/11 9:07	6.44	31.0	187	ND	0.120	ND	0.21	0.35	0.45	550
C-B08-8	11/4/11 9:10	11/4/11 9:07	6.95	5.00	582	ND	0.130	ND	ND	ND	0.076	590
C-B08-10a	11/4/11 8:55	11/4/11 9:07	6.56	28.0	190.0	2.00	0.190	ND	ND	ND	0.33	370
C-B12-9a	11/4/11 9:30	11/4/11 9:07	6.86	3.00	441	ND	0.110	ND	ND	ND	0.10	210
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	2.0
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

2011-2012 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: Amanda Archenhold

TITLE: AMEC, Consultant

SIGNATURE: A. J. Archenhold

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	11/4/11 11:10	11/4/11 9:07	250	ND	130	17	14	18.2	73.0	0.800	ND
C-B03-2	11/4/11 11:14	11/4/11 9:07	190	55	150	530	480	11.0	42.0	3.30	ND
C-B05-3	11/4/11 12:10	11/4/11 9:07	20.0	6.1	1000	27	22	20.8	75.0	1.50	ND
C-B05-4	11/4/11 10:48	11/4/11 9:07	1300	3.4	300	600	560	54.0	200.0	2.90	ND
C-B06-5	11/4/11 9:35	11/4/11 9:07	180	2.1	460	250	230	22.4	85.0	2.80	ND
C-B07-6	11/4/11 11:30	11/4/11 9:07	290	3.6	78	72	40	14.80	57.0	2.70	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:	2.0	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

2011-2012 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: Amanda Archenhold

TITLE: AMEC, Consultant

SIGNATURE: A. J. Archenhold

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	11/4/11 9:10	11/4/11 9:07	460	4.9	460	150	130	36.5	135	1.10	ND
C-B08-8	11/4/11 9:10	11/4/11 9:07	520	3.2	91	160	130	71.8	272	2.00	ND
C-B08-10a	11/4/11 8:55	11/4/11 9:07	330	ND	280	99	84	40.4	150	2.95	ND
C-B12-9a	11/4/11 9:30	11/4/11 9:07	180	ND	100	84	58.0	53.6	210	2.65	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:			2.0	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

2011- 2012

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: Sept 21, 2011	**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: Dec 8-9, 2011	**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: Mar 1-27, 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: **APRIL-JUNE** DATE: Jun 4-5, 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.

2011- 2012

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					

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.
09/21/11 10:30 ■ AM ☐ PM	Improper storage	SDCRAA - Runway lighting vault area	Improper storage of trash (spray cans in a bucket) without a cover.	Confirmation of issue(s) resolution received 09/28/11. Work order was submitted to have items stored properly.
09/21/11 10:30 ■ AM ☐ PM	Improper storage	SDCRAA - Runway lighting vault area	Improper storage of herbicide bottles without a cover.	Confirmation of issue(s) resolution received 09/28/11. Work order was submitted to have items stored properly.
09/21/11 10:38 ■ AM ☐ PM	Trash stain	SDCRAA - Triturator	Staining observed outside triturator.	Confirmation of issue(s) resolution received 09/26/11. Phone call was made to Ocean Blue. Area was cleaned.
09/21/11 10:49 ■ AM ☐ PM	Improper storage	Landmark Aviation- Along side of building	Drums stored without proper containment or labeling.	Confirmation of issue(s) resolution received 10/11/11. Email sent to Landmark. Tenant had drums removed from site.

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.
09/21/11 10:49 ■ AM ☐ PM	Petroleum Stain	Landmark Aviation-Fuel truck parking area	Fresh staining under trucks in the fuel truck parking area and yellow "Encore" truck leaking.	Confirmation of issue(s) resolution received 10/11/11. Email sent to Landmark Aviation. Tenant used drip pans, and had equipment serviced.
09/21/11 10:55 ■ AM ☐ PM	Trash	Landmark Aviation-DHL area	Full trash container observed without a lid.	Confirmation of issue(s) resolution received 10/11/11. Email sent to Landmark Aviation. Tenant removed trash can from area.
09/21/11 11:15 ■ AM ☐ PM	Improper storage	ARFF – Operational area	Drums stored outdoors without secondary containment.	Confirmation of issue(s) resolution received 10/03/11. Met with tenant in person. Drums were empty and labeled appropriately.
09/21/11 11:15 ■ AM ☐ PM	Trash	ARFF – Behind building	Observed dumpster with lid left open.	Confirmation of issue(s) resolution received 10/03/11. Met with tenant in person. Lid was closed and staff was advised to keep closed.

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.**
09/21/11 11:28 ■ AM ☐ PM	Water source	United Airlines – Maintenance yard	Leaking and puddling under Accufleet wash cart.	Confirmation of issue(s) resolution received 10/03/11. Email was sent to United. Tenant had leaks repaired.
09/21/11 11:40 ■ AM ☐ PM	Improper storage	Southwest Airlines – Cargo Yard	Drums stored outdoors without secondary containment.	Confirmation of issue(s) resolution received 09/28/11. Email was sent to Southwest. Drums were empty and labeled properly.
09/21/11 12:00 ☐ AM ■ PM	Trash	LPI – Lot 10 outdoor break area	Cigarette butt accumulation found within break area.	Confirmation of issue(s) resolution received 09/25/11. Spoke with and emailed LPI. Tenant had area cleaned.
09/21/11 02:50 ☐ AM ■ PM	Trash	HMS Host – Gate 12	Overflowing trash bin with lid not closed.	Confirmation of issue(s) resolution received 10/07/11. Email was sent to HMS Host. Tenant emptied/closed bin and reminded employees of proper procedures.

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.
09/21/11 02:55 ☐ AM ■ PM	Trash	Alaska Airlines- Under Gate 18	Trash cans without lids observed on ramp.	Confirmation of issue(s) resolution received 10/18/11. Email was sent to Alaska Airlines. DGS removed cans/provided lids accordingly.
09/21/11 03:05 ☐ AM ■ PM	Petroleum stain	Delta Airlines– Gate 26	Fresh oily staining observed near gate.	Confirmation of issue(s) resolution received 09/21/11. Phone call made to Delta during inspection. The stain was cleaned immediately.
09/21/11 03:36 ☐ AM ■ PM	Trash	US Airways – Gate 34	Trash cans stored improperly at gate.	Confirmation of issue(s) resolution received 09/26/11. Email was sent to US Airways. Tenant stored trash cans properly and review procedures with employees.
12/08/11 10:31 ■ AM ☐ PM	Water source	United Airlines – Maintenance yard area	Accufleet wash carts observed leaking wash fluids.	Confirmation of issue(s) resolution received 01/16/12. Email was sent to United Airlines. Hoses were repaired 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.
12/08/11 10:39 ■ AM ☐ PM	Sewage Spill	United Airlines– Behind trash compactors	Parked US Aviation Services lavatory truck observed leaking.	Confirmation of issue(s) resolution received 01/16/12. Email was sent to United Airlines. Repairs were made to stop leak.
12/08/11 11:06 ■ AM ☐ PM	Improper storage	SDCRAA – Near control tower	Lowboy dumpster used for street sweeping is not covered.	Confirmation of issue(s) resolution received 12/08/11. Called Facilities Management Dept. Dumpster was covered with tarp.
12/08/11 11:11 ■ AM ☐ PM	Improper Storage	SDCRAA – Corporate yard	Observed 10 drums stored without cover.	Confirmation of issue(s) resolution received 12/12/11. Called Ocean Blue. Drums were removed from site.
12/08/11 11:18 ■ AM ☐ PM	Petroleum stain	FedEx – North Ramp	Fresh oil staining along lead in line at north ramp Gate 2.	Confirmation of issue(s) resolution received 12/24/11. Email was sent to FedEx. Tenant confirmed area is cleaned daily; spills are deicing fluid from planes.

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

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
12/08/11 11:45 ■ AM ☐ PM	Improper storage	Landmark Aviation – Fueling area	Blue drum without containment or label in outdoor fueling area.	Confirmation of issue(s) resolution received 12/29/11. Email was sent to Landmark. Drum was removed from site. Proper procedures reviewed with employees.
12/08/11 11:54 ■ AM ☐ PM	Improper storage	SDCRAA – Runway lighting vault area	Trays of used absorbent material observed being stored next to a generator.	Confirmation of issue(s) resolution received 12/14/11. Work order was submitted to have material disposed of properly.
12/09/11 10:30 ■ AM ☐ PM	Petroleum stain	Hawaiian Airlines - Gate 28	Fresh staining observed in an APS truck parking area.	Confirmation of issue(s) resolution received 01/12/12. Email was sent to Hawaiian Airlines. Tenant cleaned stains and will monitor equipment for any leaks.
12/09/11 10:39 ■ AM ☐ PM	Trash spill	US Airways – Gate 34	Observed a leaking trash cart in area.	Confirmation of issue(s) resolution received 01/09/12. Contacted US Airways via telephone and email. Tenant had leaking containers removed.

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OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
12/09/11 10:48 ■ AM ☐ PM	Trash	US Airways - Ramp	Observed trash container without a cover.	Confirmation of issue(s) resolution received 01/09/12. Email was sent to US Airways. Tenant had trash can lid replaced.
12/09/11 10:48 ■ AM ☐ PM	Trash spill	US Airways – Gate 37	Spilled absorbent material observed under stairs.	Confirmation of issue(s) resolution received 01/09/12. Email was sent to US Airways. Tenant had area cleaned.
12/09/11 10:52 ■ AM ☐ PM	Petroleum spill	Delta Airlines – Gate 38	Observed red substance leaking from a parked tug.	Confirmation of issue(s) resolution received 12/20/11. Contacted Delta via telephone during inspection. The equipment was repaired and the area cleaned.
12/09/11 11:10 ■ AM ☐ PM	Trash	Alaska Airlines – Between Gates 18 &19	Observed an uncovered and full trash can in baggage loading area.	Confirmation of issue(s) resolution received 01/02/12. Email was sent to Alaska Airlines. Trash can was emptied and covered.

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12/09/11 11:10 ■ AM ☐ PM	Improper storage	Alaska Airlines - Ramp	Observed uncovered recycling containers near gate.	Confirmation of issue(s) resolution received 12/20/11. Email was sent to Alaska Airlines. Tenant had uncovered containers removed.
03/01/12 1:30 ☐ AM ■ PM	Water source	Allied Aviation – North ramp	Observed leaking water pipe in area.	Confirmation of issue(s) resolution received 03/09/12. Email was sent to Allied Aviation. Tenant replaced a faulty seal on main valve, fixing the leak.
03/01/12 1:30 ☐ AM ■ PM	Improper storage	Allied Aviation – North ramp	Drums stored outdoors without secondary containment or labeling.	Confirmation of issue(s) resolution received 03/02/12. Email was sent to Allied Aviation. Drums were empty and labeled as such.
03/07/12 2:00 ☐ AM ■ PM	Trash	US Airways - Ramp	Multiple trash containers observed having no covers.	Confirmation of issue(s) resolution received 03/07/12. Email was sent to US Airways. Lids were placed on all trash receptacles, and employees were reminded of proper procedures.

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

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
03/07/12 2:00 ☐ AM ■ PM	Improper Storage	US Airways - Ramp	Observed used oil containers that had not been disposed of properly.	Confirmation of issue(s) resolution received 03/07/12. Email was sent to US Airways. Area was cleaned and containers disposed of properly.
03/08/12 10:30 ■ AM ☐ PM	Improper Storage	ARFF – Behind station building	Recyclable materials stored outdoors observed in plastic bags with no cover.	Confirmation of issue(s) resolution received 04/08/12. Email was sent to ARFF. Tenant removed material from site.
03/08/12 10:30 ■ AM ☐ PM	Improper Storage	ARFF – Engine Bay	Stored fuel containers observed without any secondary containment.	Confirmation of issue(s) resolution received 06/06/12. Email was sent to ARFF. Tenant obtained a spill pallet on which to store containers.
03/08/12 10:30 ■ AM ☐ PM	BMP Maintenance	ARFF – Behind building	Filter fabric in storm drain was observed to be damaged.	Confirmation of issue(s) resolution received 04/02/12. Email was sent to ARFF. Ocean Blue replaced filter fabric.

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03/09/12 10:00 ■ AM ☐ PM	Oil stain	United Airlines – Timco office	Fresh oil stains observed in parking area outside office.	Confirmation of issue(s) resolution received 04/08/12. Email was sent to United Airlines. Tenant cleaned area and fixed vehicle leak.
03/09/12 10:00 ■ AM ☐ PM	Coolant Spill	United Airlines – Gate 12	Coolant spill observed from transfer process to drum.	Confirmation of issue(s) resolution received 04/08/12. Email was sent to United Airlines. Tenant cleaned area and reminded employees of proper procedures.
03/09/12 10:00 ■ AM ☐ PM	Trash	United Airlines – Maintenance yard	Trash accumulation observed in the maintenance yard.	Confirmation of issue(s) resolution received 06/14/12. Email was sent to United Airlines. Tenant had area cleaned.
03/09/12 10:00 ■ AM ☐ PM	Improper Storage	United Airlines – Maintenance yard	Two stored alkaline cleaner containers were observed outdoors without cover.	Confirmation of issue(s) resolution received 05/24/12. Email was sent to United Airlines. Tenant relocated stored containers to area under cover.

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03/09/12 10:00 ■ AM ☐ PM	Water source	United Airlines – Maintenance yard	Accufleet wash cart observed leaking wash fluids.	Confirmation of issue(s) resolution received 05/24/12. Email was sent to United Airlines. Leaking hoses were replaced, and equipment maintained to prevent leaks.
03/19/12 10:00 ■ AM ☐ PM	Oil Stain	Landmark Aviation – North ramp	Multiple oil stains observed on ramp area.	Confirmation of issue(s) resolution received 03/22/12. Email was sent to Landmark Aviation. Area was cleaned with absorbent material and employees reminded of proper spill procedures
03/19/12 10:00 ■ AM ☐ PM	BMP Maintenance	Landmark Aviation – Parking Lot	Gravel bags around storm drain observed to have broken.	Confirmation of issue(s) resolution received 03/22/12. Email was sent to Landmark Aviation. Area was cleaned and broken gravel bags disposed of.
03/19/12 10:00 ■ AM ☐ PM	Trash	Landmark Aviation – Parking Lot	Trash containers in the parking lot were observed without lids.	Confirmation of issue(s) resolution received 03/22/12. Email was sent to Landmark Aviation. Lids were installed on all trash containers, and employees were reminded of proper procedures.

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03/23/12 2:00 ☐ AM ■ PM	Oil Stain	UPS – North ramp	Fresh oil stain was observed near plane on ramp.	Confirmation of issue(s) resolution received 04/10/12. Email was sent to UPS. Tenant cleaned area.
03/27/12 10:00 ■ AM ☐ PM	Trash	FedEx - North ramp	Uncovered trash cart observed near sorting area.	Confirmation of issue(s) resolution received 04/10/12. Email was sent to FedEx. A lid was obtained for the trash cart.
03/27/12 10:30 ■ AM ☐ PM	Oil Stain	Delta Airlines – Gate 41	Fresh oil stain was observed at lead in line near Gate 41.	Confirmation of issue(s) resolution received 04/12/12. Email was sent to Delta Airlines. Tenant cleaned area.
03/27/12 10:30 ■ AM ☐ PM	BMP Maintenance	Delta Airlines – DGS maintenance yard	A drip pan full of an unknown liquid was observed in the area.	Confirmation of issue(s) resolution received 03/27/12. Email was sent to Delta Airlines. Drip pan was emptied and contents disposed of properly.

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06/04/12 11:30 ■ AM ☐ PM	Trash-Improper storage	SDCRAA – Near air traffic control tower	Street sweeping low boy did not have cover, and material was spilling on the ground.	Confirmation of issue(s) resolution received 06/19/12. Work order was submitted to have cover put on and spilled material cleaned.
06/04/12 11:40 ■ AM ☐ PM	Trash	FedEx – Near office trailer	Trash accumulation observed behind office building.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to FedEx. Tenant cleaned area.
06/04/12 11:40 ■ AM ☐ PM	Trash	FedEx – Processing area	Trash accumulation observed under processing area.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to FedEx. Tenant had area cleaned.
06/04/12 12:03 ☐ AM ■ PM	Trash	SDCRAA – Corporate yard	Trash, sediment and broken glass accumulation observed. An uncovered trash can also observed in area.	Confirmation of issue(s) resolution received 06/22/12. Work order was submitted. Area was cleaned.

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06/04/12 12:13 ☐ AM ■ PM	Trash	Landmark Aviation – DHL ramp area	Piles of trash observed on ramp in the DHL area.	Confirmation of issue(s) resolution received 06/13/12. Email was sent to Landmark Aviation. Tenant cleaned area.
06/04/12 12:13 ☐ AM ■ PM	Trash	IAS – North ramp	Outdoor trash can observed without lid in operational area.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to IAS. Tenant provided lid for trash can.
06/04/12 12:13 ☐ AM ■ PM	Trash Spill	IAS – North ramp	Spilled absorbent material observed in operational area.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to IAS. Tenant had area cleaned.
06/04/12 12:13 ☐ AM ■ PM	Oil stain	IAS – North ramp	Large area of staining in the IAS operational area.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to IAS. Tenant had area cleaned.

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06/04/12 12:13 ☐ AM ■ PM	Improper storage	IAS – North ramp	Portable lavatory observed without secondary containment pan.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to IAS. Tenant had secondary containment pan installed.
06/04/12 12:13 ☐ AM ■ PM	Oil stain	IAS – North ramp	An area of staining was observed on the ramp under equipment.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to IAS. Tenant had area cleaned.
06/04/12 1:38 ☐ AM ■ PM	Improper storage	SDCRAA – Cargo Area guard shack	Portable lavatory observed without secondary containment pan.	Confirmation of issue(s) resolution received 06/11/12. Email was sent to SDCRAA. Vendor was contacted, and installed containment pan.
06/04/12 1:38 ☐ AM ■ PM	Trash	SDCRAA – Behind blast fence near triturator	Trash accumulation observed behind the blast fence near triturator.	Confirmation of issue(s) resolution received 06/22/12. Work order submitted. Area was cleaned and trash disposed of.
06/04/12 1:45 ☐ AM ■ PM	BMP Maintenance	SDCRAA – ASIG lot	Storm drain BMP observed to be broken.	Confirmation of issue(s) resolution received 06/08/12. Ocean Blue was contacted and repaired BMP.

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06/04/12 2:14 ☐ AM ■ PM	Trash	Landmark Aviation – Parking lot	Dumpster in parking lot was left with lip open.	Confirmation of issue(s) resolution received 06/13/12. Email was sent to Landmark Aviation. Tenant closed lid, and discussed proper procedure with staff.
06/04/12 2:22 ☐ AM ■ PM	Oil Spill	Landmark Aviation – Equipment Parking	Fresh stains observed under multiple trucks in equipment parking area.	Confirmation of issue(s) resolution received 06/13/12. Email was sent to Landmark Aviation. Tenant purchased drip pans and installed under equipment.
06/05/12 9:08 ■ AM ☐ PM	Oil spill	Air Canada – Jazz Airlines	Leak from ATS equipment observed in area near Gate 20.	Confirmation of issue(s) resolution received 06/26/12. Email was sent to Air Canada. Tenant repaired leaking equipment and cleaned area.
06/05/12 9:17 ■ AM ☐ PM	Oil stain	Delta Airlines – Gate 26	Oil stains observed on either side of the lead in line at Gate 26.	Confirmation of issue(s) resolution received 06/07/12. Email was sent to Delta. Tenant cleaned area.

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06/05/12 9:21 ■ AM ☐ PM	Oil Spill	Hawaiian Airlines – Gate 28	APS equipment observed leaking at Gate 28.	Confirmation of issue(s) resolution received 06/21/12. Email was sent to Hawaiian Airlines. Tenant had vendor clean area.
06/05/12 9:27 ■ AM ☐ PM	Oil spill	American Airlines – Parking area	Vehicle was observed with possible leak.	Confirmation of issue(s) resolution received 06/18/12. Email was sent to American Airlines. Tenant removed unit and cleaned area.
06/05/12 9:33 ■ AM ☐ PM	Oil stain	Jet Blue Airlines – Gate 23	Oil stains observed under jet bridge at Gate 23.	Confirmation of issue(s) resolution received 06/07/12. Email was sent to Jet Blue Airlines. Tenant cleaned area and briefed employees on proper procedures.
06/05/12 9:42 ■ AM ☐ PM	Trash	United Airlines – Gate 35	Full trash can observed without lid at Gate 35.	Confirmation of issue(s) resolution received 06/26/12. Email was sent to United Airlines. Trash can was emptied, and fitted with lid.

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06/05/12 9:44 ■ AM ☐ PM	Trash	US Airways – Gate 36	Trash can observed without a lid at Gate 36.	Confirmation of issue(s) resolution received 06/14/12. Email was sent to US Airways. Tenant removed trash can from area.
06/05/12 10:06 ■ AM ☐ PM	Trash	US Airways – Waste storage area	Hazardous material and waste storage area were messy, and a trash can was observed overflowing.	Confirmation of issue(s) resolution received 06/14/12. Email was sent to US Airways. Tenant emptied trash cans and cleaned area.
06/05/12 10:14 ■ AM ☐ PM	Trash	Alaska Airlines – Baggage handling area	Trash can observed without a lid outside baggage handling area.	Confirmation of issue(s) resolution received 06/11/12. Email was sent to Alaska Airlines. Tenant removed trash can from area.
06/05/12 10:23 ■ AM ☐ PM	Trash spill	HMS Host – Near Gate 11	Stains observed in grease bin area near Gate 11.	Confirmation of issue(s) resolution received 06/14/12. Email was sent to HMS Host. Tenant cleaned and power washed area.

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06/05/12 10:27 ■ AM ☐ PM	Trash	Southwest Airlines - Ramp	Trash can observed without a lid on ramp.	Confirmation of issue(s) resolution received 06/21/12. Email was sent to Southwest Airlines. Tenant removed trash can from area.
06/05/12 10:36 ■ AM ☐ PM	Trash	Southwest Airlines - Ramp	A pallet and an accumulation of debris were observed on ramp.	Confirmation of issue(s) resolution received 06/21/12. Email was sent to Southwest Airlines. Tenant removed pallet and cleaned area.
06/05/12 1:15 ☐ AM ■ PM	Trash	Southwest Airlines – Pacific Aircraft Maintenance area	Accumulation of trash observed behind equipment in the Pacific Aircraft Maintenance operational area.	Confirmation of issue(s) resolution received 06/21/12. Email was sent to Southwest Airlines. Tenant had area cleaned.
06/05/12 1:20 ☐ AM ■ PM	Improper storage	United Airlines – Maintenance yard	Blue juice drums observed without lids in maintenance yard.	Confirmation of issue(s) resolution received 06/26/12. Email was sent to United Airlines. Tenant ordered new secondary container.

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06/05/12 1:20 ☐ AM ■ PM	Trash	United Airlines – Maintenance yard	Trash accumulation observed in the maintenance yard.	Confirmation of issue(s) resolution received 06/26/12. Email was sent to United Airlines. Tenant had area cleaned.
06/05/12 1:38 ☐ AM ■ PM	Oil stain	American Airlines – Maintenance yard	An area of staining was observed in the maintenance yard.	Confirmation of issue(s) resolution received 06/18/12. Email was sent to American Airlines. Tenant had area cleaned.
06/05/12 1:59 ☐ AM ■ PM	Oil spill	ASIG – Equipment parking area	Vehicle observed leaking during performance of maintenance.	Confirmation of issue(s) resolution received 06/19/12. Email was sent to ASIG. Tenant cleaned area and installed drip pan under leaking equipment.
06/05/12 2:42 ☐ AM ■ PM	Trash	DHL - North ramp	Outdoor trash can observed without lid near DHL office.	Confirmation of issue(s) resolution received 06/26/12. Email was sent to DHL. Tenant moved trash can indoors.
06/05/12 2:42 ☐ AM ■ PM	Oil stain	DHL - North ramp	An area of staining was observed on the ramp.	Confirmation of issue(s) resolution received 06/26/12. Email was sent to DHL. Tenant had area cleaned.

2011 – 2012
ANNUAL REPORT
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

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

Observation Date: October 5, 2011

Observer's Name: Miriamawit Yirsalign & Lijun Xu

Title: AMEC, Consultant

Signature:

Time Discharge Began: 10/05/11 4:28 PM

Observation Time: 5:28 PM – 8:25 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	Too dark for observation	☐ YES ■ NO
C-B03-2	5:50 P.M.	☐ YES ■ NO
C-B05-3	Too dark for observation	☐ YES ■ NO
C-B05-4	6:17 P.M.	■ YES ☐ NO
C-B06-5	Too dark for observation	☐ YES ■ NO
C-B07-6	Too dark for observation	☐ YES ■ NO
C-B07-7	5:28 P.M.	■ YES ☐ NO
C-B08-8	5:45 P.M.	☐ YES ■ NO
*C-B12-9a	6:00 P.M.	☐ YES ■ NO
*C-B08-10a	5:30 P.M.	■ YES ☐ NO

Observation Date: November 4, 2011

Observer's Name: Miriamawit Yirsalign & Lijun Xu

Title: AMEC, Consultant

Signature:

Time Discharge Began: 11/04/11 8:30 AM

Observation Time: 8:55 AM – 12:10 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	11:10 A.M.	☐ YES ■ NO
C-B03-2	11:14 A.M.	☐ YES ■ NO
C-B05-3	12:10 P.M.	■ YES ☐ NO
C-B05-4	10:48 A.M.	■ YES ☐ NO
C-B06-5	9:35 A.M.	■ YES ☐ NO
C-B07-6	11:30 A.M.	■ YES ☐ NO
C-B07-7	9:10 A.M.	■ YES ☐ NO
C-B08-8	9:10 A.M.	☐ YES ■ NO
*C-B12-9a	9:30 A.M.	☐ YES ■ NO
*C-B08-10a	8:55 A.M.	■ YES ☐ NO

2011 – 2012
ANNUAL REPORT
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
10/05/11 6:17 □ AM ■ PM	C-B05-4	Discharge was cloudy and brown.	No source identified.	NA
10/05/11 5:28 □ AM ■ PM	C-B07-7	Discharge was cloudy and brown with suspended solids and sheen.	No source identified.	NA
10/05/11 5:30 □ AM ■ PM	*C-B08-10a (alternate site used due to construction)	Discharge was brown and contained leaves, grass, and suspended solids.	No source identified.	NA
11/04/11 12:10 □ AM ■ PM	C-B05-3	Discharge was cloudy and brown.	No source identified.	NA
11/04/11 10:48 ■ AM □ PM	C-B05-4	Discharge was brown.	No source identified.	NA
11/04/11 9:35 ■ AM □ PM	C-B06-5	Discharge was yellow.	No source identified.	NA

2011 – 2012
ANNUAL REPORT
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
11/04/11 11:30 ■ AM □ PM	C-B07-6	Discharge was cloudy and brown. Petroleum odor was noted with the discharge.	This site is connected to an oil/water separator but no sheen was observed. No source identified.	NA
11/04/11 9:10 ■ AM □ PM	C-B07-7	Discharge was yellow and brown with suspended solids and sheen.	No source identified.	NA
11/04/11 8:55 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was brown and contained leaves, grass, and suspended solids.	No source identified.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2011 – 2012
ANNUAL REPORT
FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: December 12, 2011

Observers Name: Miriamawit Yirsalign

Title: AMEC, Consultant

Signature:

Time Discharge Began: 12/12/11 7:00 AM

Observation Time: 7:27 AM – 9:04 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	8:23 A.M.	☐ YES ■ NO
C-B03-2	8:18 A.M.	☐ YES ■ NO
C-B05-3	8:37 A.M.	■ YES ☐ NO
C-B05-4	8:15 A.M.	■ YES ☐ NO
C-B06-5	8:29 A.M.	■ YES ☐ NO
C-B07-6	9:04 A.M.	☐ YES ■ NO
C-B07-7	7: 27 A.M.	■ YES ☐ NO
C-B08-8	7:52 A.M.	■ YES ☐ NO
*C-B12-9a	8:07 A.M.	☐ YES ■ NO
*C-B08-10a	7:35 A.M.	■ YES ☐ NO

Observation Date: January 21, 2012

Observer's Name: Lijun Xu

Title: AMEC, Consultant

Signature:

Time Discharge Began: 01/21/12 7:41 AM

Observation Time: 8:31 AM – 10:02 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	9:52 A.M.	☐ YES ■ NO
C-B03-2	9:05 A.M.	☐ YES ■ NO
C-B05-3	10:02 A.M.	☐ YES ■ NO
C-B05-4	9:00 A.M.	☐ YES ■ NO
C-B06-5	9:45 A.M.	■ YES ☐ NO
C-B07-6	9:36 A.M.	☐ YES ■ NO
C-B07-7	8:31 A.M.	■ YES ☐ NO
C-B08-8	9:15 A.M.	☐ YES ■ NO
*C-B12-9a	9:20 A.M.	☐ YES ■ NO
*C-B08-10a	8:40 A.M.	■ YES ☐ NO

2011 – 2012
ANNUAL REPORT
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
12/12/11 8:37 ■ AM □ PM	C-B05-3	Discharge was cloudy and brown with sheen.	No source identified.	NA
12/12/11 8:15 ■ AM □ PM	C-B05-4	Discharge was cloudy and yellow.	No source identified.	NA
12/12/11 8:29 ■ AM □ PM	C-B06-5	Discharge contained suspended solids.	No source identified.	NA
12/12/11 7:27 ■ AM □ PM	C-B07-7	Discharge was cloudy and brown with sheen.	No source identified.	NA
12/12/11 7:52 ■ AM □ PM	C-B08-8	No pollutants were observed. Petroleum odor was noted with the discharge.	No source identified.	NA
12/12/11 7:27 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was brown and contained leaves, grass, trash, and suspended solids.	No source identified.	NA

2011 – 2012
ANNUAL REPORT
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
01/21/12 9:45 ■ AM □ PM	C-B06-5	Discharge was cloudy and brown.	No source identified.	NA
01/21/12 8:31 ■ AM □ PM	C-B07-7	Discharge was cloudy and brown.	No source identified.	NA
01/21/12 8:40 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was cloudy and brown with leaves, grass, and sheen.	No source identified.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2011 – 2012
ANNUAL REPORT
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: February 7, 2012

Observer's Name: Miriamawit Yirsalign

Title: AMEC, Consultant

Signature:

Time Discharge Began: 02/07/12 2:30 PM

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	3:36 P.M.	☐ YES ■ NO
C-B03-2	3:41 P.M.	☐ YES ■ NO
C-B05-3	4:55 P.M.	■ YES ☐ NO
C-B05-4	3:46 P.M.	☐ YES ■ NO
C-B06-5	3:17 P.M.	■ YES ☐ NO
C-B07-6	4:20 P.M.	■ YES ☐ NO
C-B07-7	2:59 P.M.	■ YES ☐ NO
C-B08-8	4:07 P.M.	☐ YES ■ NO
*C-B12-9a	4:12 P.M.	☐ YES ■ NO
*C-B08-10	4:40 P.M.	☐ YES ■ NO

Observation Date: March 17, 2012

Observer's Name: Amanda Archenhold

Title: AMEC, Consultant

Signature: A. J. Archenhold

Time Discharge Began: 03/17/12 6:00 AM

Observation Time: 9:10 AM – 12:05 PM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	11:00 A.M.	☐ YES ■ NO
C-B03-2	10:55 A.M.	■ YES ☐ NO
C-B05-3	11:04 A.M.	■ YES ☐ NO
C-B05-4	10:50 A.M.	☐ YES ■ NO
C-B06-5	9:30 A.M.	■ YES ☐ NO
C-B07-6	12:05 P.M.	■ YES ☐ NO
C-B07-7	9:10 A.M.	■ YES ☐ NO
C-B08-8	10:00 A.M.	☐ YES ■ NO
*C-B12-9a	11:35 A.M.	☐ YES ■ NO
*C-B08-10a	10:20 A.M.	■ YES ☐ NO

2011 – 2012
ANNUAL REPORT

FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
02/07/12 4:55 □ AM ■ PM	C-B05-3	Discharge was cloudy and brown.	No source identified.	NA
02/07/12 3:17 □ AM ■ PM	C-B06-5	Discharge was cloudy and brown.	No source identified.	NA
02/07/12 12:05 □ AM ■ PM	C-B07-6	Discharge was cloudy and brown with sheen.	No source identified.	NA
02/07/12 2:59 □ AM ■ PM	C-B07-7	Discharge was brown and contained suspended solids.	No source identified.	NA
03/17/12 10:55 ■ AM □ PM	C-B03-2	Discharge was brown.	No source identified.	NA
03/17/12 11:04 ■ AM □ PM	C-B05-3	Discharge was cloudy and brown.	No source identified.	NA

2011 – 2012
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
03/17/12 9:30 ■ AM □ PM	C-B06-5	Discharge was brown with foam.	No source identified.	NA
03/17/12 3:17 □ AM ■ PM	C-B07-6	Discharge was cloudy and yellow. Petroleum odor was noted with the discharge.	This site is connected to an oil/water separator but no sheen was observed. No source identified.	NA
03/17/12 9:10 ■ AM □ PM	C-B07-7	Discharge was brown with sheen.	No source identified.	NA
03/17/12 10:20 ■ AM □ PM	*C-B08-10a (alternate site used due to construction)	Discharge was brown.	No source identified.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2011 – 2012
ANNUAL REPORT
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Observation Date: April 11, 2012

Observer's Name: Miriamawit Yirsalign

Title: AMEC, Consultant

Signature:

Time Discharge Began: 04/11/12 6:00 AM

Observation Time: 6:20 AM – 8:22 AM

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

Drainage Location Description	Observation Time	Were Pollutants Observed
*C-B01-1a	7:17 A.M.	☐ YES ■ NO
C-B03-2	7:09 A.M.	☐ YES ■ NO
C-B05-3	7:36 A.M.	■ YES ☐ NO
C-B05-4	No flow for observation	☐ YES ■ NO
C-B06-5	7:26 A.M.	■ YES ☐ NO
C-B07-6	8:05 A.M.	■ YES ☐ NO
C-B07-7	6:20 A.M.	■ YES ☐ NO
C-B08-8	No flow for observation	☐ YES ■ NO
*C-B12-9a	No flow for observation	☐ YES ■ NO
*C-B08-10a	8:22 A.M.	☐ YES ■ NO

Observation Date: May 2012

Observers 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

2011 – 2012
ANNUAL REPORT

SIDE B

FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
04/11/12 7:36 ■ AM □ PM	C-B05-3	There was no flow at this station but there was standing water which was cloudy and brown.	No source identified.	NA
04/11/12 7:26 ■ AM □ PM	C-B06-5	Discharge was cloudy and brown. Musty odor was noted with the discharge.	No source identified.	NA
04/11/12 8:05 ■ AM □ PM	C-B07-6	Discharge was cloudy and brown with sheen. Petroleum odor was noted with the discharge.	This site is connected to an oil/water separator. No source identified.	NA
04/11/12 6:20 ■ AM □ PM	C-B07-7	Discharge was cloudy and brown.	No source identified.	NA
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2011-2012 Annual Report
FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: March 2012 **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 (03/01/12)	Yes / No		• Drums found stored outside without labeling or secondary containment. • Leaking of water pipe.	Allied Aviation was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 03/09/12.
US Airways (03/07/12)	Yes / No		• Improper storage of used oil containers. • Trash containers not covered.	US Airways was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 03/07/12.
ARFF (03/08/12)	Yes / No		• Improper storage of fuel containers. • Improper storage of recyclable materials. • Storm drain BMP has holes in filter fabric.	ARFF was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 06/06/12.

2011-2012 Annual Report
FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: March 2012 **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
United Airlines (03/09/12)	Yes / No		• Trash accumulation in outdoor operational areas. • Fresh oil stains observed in area. • Improper storage of cleaner containers. • Spill observed which resulted from transfer process. • Leaking equipment observed in yard.	United Airlines was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 6/14/11.
Landmark Aviation (03/19/12)	Yes / No		• Multiple oil stains were observed. • Gravel bags making up storm drain BMP were damaged. • Trash containers observed without lids.	Landmark Aviation was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 03/22/12.
UPS (03/23/12)	Yes / No		• Fresh oil stains observed on ramp.	UPS was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 04/10/12.

2011-2012 Annual Report
FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: March 2012 **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
FedEx (03/27/12)	Yes / No		• Trash carts in sorting area did not have lids.	FedEx was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 04/10/12.
Delta Airlines (03/27/12)	Yes / No		• Fresh oil stains observed near gate 41. • Full drip pan observed in DGS maintenance area.	Frontier was notified of the deficiency by e-mail. Confirmation that all deficiencies were abated was received on 04/12/12.

Attachment 4

Analytical Data for Storm Events

First Storm Event

SIERRA
ANALYTICAL

22 November 2011

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

RE:San Diego Airport

Work Order No.: 1110092

Attached are the results of the analyses for samples received by the laboratory on 10/06/11 12:39.

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

Richard K. Forsyth

Laboratory Director

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

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1A-100511	1110092-01	Liquid	10/05/11 18:55	10/06/11 12:39
C-B03-2-100511	1110092-02	Liquid	10/05/11 17:50	10/06/11 12:39
C-B05-3-100511	1110092-03	Liquid	10/05/11 20:25	10/06/11 12:39
C-B05-4-100511	1110092-04	Liquid	10/05/11 18:17	10/06/11 12:39
C-B06-5-100511	1110092-05	Liquid	10/05/11 19:07	10/06/11 12:39
C-B07-6-100511	1110092-06	Liquid	10/05/11 19:35	10/06/11 12:39
C-B07-7-100511	1110092-07	Liquid	10/05/11 17:28	10/06/11 12:39
C-B08-8-100511	1110092-08	Liquid	10/05/11 17:45	10/06/11 12:39
C-B08-10A-100511	1110092-09	Liquid	10/05/11 17:30	10/06/11 12:39
C-B12-9A-100511	1110092-10	Liquid	10/05/11 18:00	10/06/11 12:39
S-B06-12-100511	1110092-11	Liquid	10/05/11 19:33	10/06/11 12:39
S-B06-12-100511	1110092-12	Liquid	10/05/11 19:10	10/06/11 12:39
C-B08-10A-100511-DUP	1110092-13	Liquid	10/05/11 17:30	10/06/11 12:39
C-B07-6-100511-BL	1110092-14	Liquid	10/05/11 19:37	10/06/11 12:39
S-B06-12-100511-DUP	1110092-15	Liquid	10/05/11 19:33	10/06/11 12:39
S-B06-12-100511-BL	1110092-16	Liquid	10/05/11 19:33	10/06/11 12:39

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, and accompanied by chain of custody documentation.
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES: All holding times were met, unless otherwises noted in the report with data qualifiers.
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

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-100511 (1110092-01) Liquid	**Sampled: 10/05/11 18:55**		**Received: 10/06/11 12:39**						
Ammonia as N	**0.350**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**15.2**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**68.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**77.6**	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	**7.06**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-100511 (1110092-02) Liquid	**Sampled: 10/05/11 17:50**		**Received: 10/06/11 12:39**						
Ammonia as N	**2.75**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**10.4**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**50.0**	0.100	"	"	"	"	10/06/11 16:15	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	
Methylene Blue Active Substances	**0.140**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.14**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**2.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-100511 (1110092-03) Liquid	**Sampled: 10/05/11 20:25**		**Received: 10/06/11 12:39**						
Ammonia as N	**0.500**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**10.9**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**52.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**107**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**3.80**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	ND	0.0500	"	"	"	"	"	EPA 425.1	
pH	**8.35**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**38.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-100511 (1110092-04) Liquid	**Sampled: 10/05/11 18:17**		**Received: 10/06/11 12:39**						
Ammonia as N	**1.80**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**29.6**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**130**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**182**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.160**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**7.01**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**20.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-100511 (1110092-05) Liquid	**Sampled: 10/05/11 19:07**		**Received: 10/06/11 12:39**						
Ammonia as N	**2.25**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**24.2**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**108**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**187**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.170**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.54**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**17.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-100511 (1110092-06) Liquid	**Sampled: 10/05/11 19:35**		**Received: 10/06/11 12:39**						
Ammonia as N	**1.35**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**18.3**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**91.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**111**	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	**6.67**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**29.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-100511 (1110092-07) Liquid	**Sampled: 10/05/11 17:28**		**Received: 10/06/11 12:39**						
Ammonia as N	**1.95**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**63.0**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**302**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**494**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.180**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.47**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**14.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-100511 (1110092-08) Liquid	**Sampled: 10/05/11 17:45**		**Received: 10/06/11 12:39**						
Ammonia as N	**0.150**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**7.20**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**35.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**123**	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	**7.25**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**3.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-10A-100511 (1110092-09) Liquid	**Sampled: 10/05/11 17:30**		**Received: 10/06/11 12:39**						
Ammonia as N	**5.40**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**129**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**550**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**468**	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	**6.45**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**22.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9A-100511 (1110092-10) Liquid	**Sampled: 10/05/11 18:00**		**Received: 10/06/11 12:39**						
Ammonia as N	**0.600**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**6.10**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**34.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**110**	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	**7.09**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-100511 (1110092-11) Liquid	**Sampled: 10/05/11 19:33**		**Received: 10/06/11 12:39**						
Biochemical Oxygen Demand	**4.30**	2.00	mg/L	1	B1J1114	10/06/11	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**20.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**85.1**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**7.03**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**1.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-10A-100511-DUP (1110092-13) Liquid	**Sampled: 10/05/11 17:30**		**Received: 10/06/11 12:39**						
Ammonia as N	**5.50**	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**127**	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**567**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**463**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.190**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.48**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**24.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-100511-BL (1110092-14) Liquid	**Sampled: 10/05/11 19:37**		**Received: 10/06/11 12:39**						
Ammonia as N	ND	0.100	mg/L	1	B1J1114	10/06/11	10/06/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**5.00**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**4.83**	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	**7.50**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-100511-DUP (1110092-15) Liquid	**Sampled: 10/05/11 19:33**		**Received: 10/06/11 12:39**						
Biochemical Oxygen Demand	**4.10**	2.00	mg/L	1	B1J1114	10/06/11	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**22.0**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**84.6**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.99**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-100511-BL (1110092-16) Liquid	**Sampled: 10/05/11 19:33**		**Received: 10/06/11 12:39**						
Biochemical Oxygen Demand	ND	2.00	mg/L	1	B1J1114	10/06/11	10/11/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**1.00**	0.100	"	"	"	"	10/06/11 16:15	EPA 410.4	
Specific Conductance (EC)	**1.25**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**7.47**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-100511 (1110092-01) Liquid	**Sampled: 10/05/11 18:55**		**Received: 10/06/11 12:39**						
Aluminum	**1300**	500	µg/L	20	B1J0730	10/07/11	10/11/11 13:37	EPA 200.8	
Copper	**62**	3.0	"	2	"	"	10/10/11 16:33	"	
Iron	**0.17**	0.050	mg/L	"	"	"	10/11/11 13:37	"	
Lead	**41**	2.0	µg/L	"	"	"	10/10/11 16:33	"	
Zinc	**1500**	6.0	"	"	"	"	"	"	
C-B03-2-100511 (1110092-02) Liquid	**Sampled: 10/05/11 17:50**		**Received: 10/06/11 12:39**						
Aluminum	**380**	120	µg/L	5	B1J0730	10/07/11	10/11/11 13:38	EPA 200.8	
Copper	**350**	5.0	"	"	"	"	10/11/11 15:13	"	
Iron	**0.19**	0.050	mg/L	2	"	"	10/11/11 13:38	"	
Lead	**53**	2.0	µg/L	"	"	"	10/10/11 16:36	"	
Zinc	**160**	6.0	"	"	"	"	"	"	
C-B05-3-100511 (1110092-03) Liquid	**Sampled: 10/05/11 20:25**		**Received: 10/06/11 12:39**						
Aluminum	**6100**	2500	µg/L	100	B1J0730	10/07/11	10/11/11 13:39	EPA 200.8	
Copper	**23**	3.0	"	2	"	"	10/10/11 16:40	"	
Iron	**0.11**	0.050	mg/L	"	"	"	10/11/11 13:39	"	
Lead	**26**	2.0	µg/L	"	"	"	10/10/11 16:40	"	
Zinc	**110**	6.0	"	"	"	"	"	"	
C-B05-4-100511 (1110092-04) Liquid	**Sampled: 10/05/11 18:17**		**Received: 10/06/11 12:39**						
Aluminum	**1500**	500	µg/L	20	B1J0730	10/07/11	10/11/11 13:41	EPA 200.8	
Copper	**400**	20	"	"	"	"	10/11/11 15:14	"	
Iron	**0.18**	0.050	mg/L	2	"	"	10/11/11 13:41	"	
Lead	**9.6**	2.0	µg/L	"	"	"	10/10/11 16:44	"	
Zinc	**740**	6.0	"	"	"	"	10/25/11 14:47	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-100511 (1110092-05) Liquid	**Sampled: 10/05/11 19:07**		**Received: 10/06/11 12:39**						
Aluminum	**770**	250	µg/L	10	B1J0730	10/07/11	10/11/11 13:42	EPA 200.8	
Copper	**280**	10	"	"	"	"	10/11/11 15:15	"	
Iron	**0.16**	0.050	mg/L	2	"	"	10/11/11 13:42	"	
Lead	**3.2**	2.0	µg/L	"	"	"	10/10/11 16:48	"	
Zinc	**190**	6.0	"	"	"	"	"	"	
C-B07-6-100511 (1110092-06) Liquid	**Sampled: 10/05/11 19:35**		**Received: 10/06/11 12:39**						
Aluminum	**1600**	500	µg/L	20	B1J0730	10/07/11	10/11/11 13:43	EPA 200.8	
Copper	**160**	3.0	"	2	"	"	10/10/11 16:52	"	
Iron	**0.26**	0.050	mg/L	"	"	"	10/11/11 13:43	"	
Lead	**20**	2.0	µg/L	"	"	"	10/10/11 16:52	"	
Zinc	**980**	6.0	"	"	"	"	"	"	
C-B07-7-100511 (1110092-07) Liquid	**Sampled: 10/05/11 17:28**		**Received: 10/06/11 12:39**						
Aluminum	**740**	120	µg/L	5	B1J0730	10/07/11	10/11/11 13:45	EPA 200.8	
Copper	**320**	5.0	"	"	"	"	10/11/11 15:15	"	
Iron	**0.38**	0.050	mg/L	2	"	"	10/11/11 13:45	"	
Lead	**4.3**	2.0	µg/L	"	"	"	10/10/11 16:56	"	
Zinc	**830**	15	"	5	"	"	10/25/11 14:49	"	
C-B08-8-100511 (1110092-08) Liquid	**Sampled: 10/05/11 17:45**		**Received: 10/06/11 12:39**						
Aluminum	**89**	50	µg/L	2	B1J0730	10/07/11	10/11/11 13:46	EPA 200.8	
Copper	**38**	3.0	"	"	"	"	10/10/11 17:00	"	
Iron	**0.089**	0.050	mg/L	"	"	"	10/11/11 13:46	"	
Lead	**2.0**	2.0	µg/L	"	"	"	10/10/11 17:00	"	
Zinc	**97**	6.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-100511 (1110092-09) Liquid	**Sampled: 10/05/11 17:30**		**Received: 10/06/11 12:39**						
Aluminum	**1300**	500	µg/L	20	B1J0730	10/07/11	10/25/11 14:50	EPA 200.8	
Copper	**270**	20	"	"	"	"	10/11/11 15:16	"	
Iron	**0.17**	0.050	mg/L	2	"	"	10/11/11 13:47	"	
Lead	**6.9**	2.0	µg/L	"	"	"	10/25/11 14:50	"	
Zinc	**820**	6.0	"	"	"	"	10/10/11 17:03	"	
C-B12-9A-100511 (1110092-10) Liquid	**Sampled: 10/05/11 18:00**		**Received: 10/06/11 12:39**						
Aluminum	**93**	50	µg/L	2	B1J0730	10/07/11	10/11/11 13:54	EPA 200.8	
Copper	**38**	3.0	"	"	"	"	10/10/11 17:23	"	
Iron	**0.17**	0.050	mg/L	"	"	"	10/11/11 13:54	"	
Lead	ND	2.0	µg/L	"	"	"	10/10/11 17:23	"	
Zinc	**86**	6.0	"	"	"	"	"	"	
S-B06-12-100511 (1110092-11) Liquid	**Sampled: 10/05/11 19:33**		**Received: 10/06/11 12:39**						
Aluminum	**220**	100	µg/L	4	B1J0730	10/07/11	10/11/11 13:58	EPA 200.8	
Copper	**51**	3.0	"	2	"	"	10/10/11 17:34	"	
Iron	**0.26**	0.025	mg/L	1	"	"	10/25/11 14:51	"	
Lead	**2.3**	2.0	µg/L	2	"	"	10/10/11 17:34	"	
Zinc	**140**	6.0	"	"	"	"	"	"	
C-B08-10A-100511-DUP (1110092-13) Liquid	**Sampled: 10/05/11 17:30**		**Received: 10/06/11 12:39**						
Aluminum	**620**	500	µg/L	20	B1J0730	10/07/11	10/25/11 14:53	EPA 200.8	
Copper	**240**	10	"	10	"	"	10/11/11 15:17	"	
Iron	**0.17**	0.050	mg/L	2	"	"	10/11/11 13:59	"	
Lead	**4.5**	2.0	µg/L	"	"	"	10/25/11 14:53	"	
Zinc	**920**	60	"	20	"	"	"	"	

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

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-100511-BL (1110092-14) Liquid	**Sampled: 10/05/11 19:37**		**Received: 10/06/11 12:39**						
Aluminum	ND	50	µg/L	2	B1J0730	10/07/11	10/11/11 14:01	EPA 200.8	
Copper	ND	3.0	"	"	"	"	10/10/11 17:42	"	
Iron	ND	0.050	mg/L	"	"	"	10/11/11 14:01	"	
Lead	ND	2.0	µg/L	"	"	"	10/10/11 17:42	"	
Zinc	ND	6.0	"	"	"	"	10/25/11 14:40	"	
S-B06-12-100511-DUP (1110092-15) Liquid	**Sampled: 10/05/11 19:33**		**Received: 10/06/11 12:39**						
Aluminum	**160**	50	µg/L	2	B1J0730	10/07/11	10/11/11 14:02	EPA 200.8	
Copper	**43**	3.0	"	"	"	"	10/10/11 17:46	"	
Iron	**0.20**	0.025	mg/L	1	"	"	10/25/11 14:57	"	
Lead	ND	2.0	µg/L	2	"	"	10/10/11 17:46	"	
Zinc	**110**	6.0	"	"	"	"	"	"	
S-B06-12-100511-BL (1110092-16) Liquid	**Sampled: 10/05/11 19:33**		**Received: 10/06/11 12:39**						
Aluminum	ND	50	µg/L	2	B1J0730	10/07/11	10/11/11 14:03	EPA 200.8	
Copper	ND	3.0	"	"	"	"	10/10/11 17:50	"	
Iron	ND	0.050	mg/L	"	"	"	10/11/11 14:03	"	
Lead	ND	2.0	µg/L	"	"	"	10/10/11 17:50	"	
Zinc	ND	6.0	"	"	"	"	10/25/11 14:42	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

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-100511 (1110092-01) Liquid	**Sampled: 10/05/11 18:55**		**Received: 10/06/11 12:39**						
Copper	**22**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 18:09	EPA 200.8	
Zinc	**890**	20	"	20	"	"	10/11/11 14:05	"	
C-B03-2-100511 (1110092-02) Liquid	**Sampled: 10/05/11 17:50**		**Received: 10/06/11 12:39**						
Copper	**340**	4.0	µg/L	4	B1J0731	10/07/11	10/11/11 15:17	EPA 200.8	
Zinc	**150**	6.0	"	2	"	"	10/10/11 18:21	"	
C-B05-3-100511 (1110092-03) Liquid	**Sampled: 10/05/11 20:25**		**Received: 10/06/11 12:39**						
Copper	**6.4**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 18:25	EPA 200.8	
Zinc	ND	6.0	"	"	"	"	"	"	
C-B05-4-100511 (1110092-04) Liquid	**Sampled: 10/05/11 18:17**		**Received: 10/06/11 12:39**						
Copper	**390**	10	µg/L	10	B1J0731	10/07/11	10/11/11 15:18	EPA 200.8	
Zinc	**630**	2.0	"	2	"	"	10/11/11 14:12	"	
C-B06-5-100511 (1110092-05) Liquid	**Sampled: 10/05/11 19:07**		**Received: 10/06/11 12:39**						
Copper	**280**	4.0	µg/L	4	B1J0731	10/07/11	10/11/11 15:19	EPA 200.8	
Zinc	**180**	6.0	"	2	"	"	10/10/11 18:32	"	
C-B07-6-100511 (1110092-06) Liquid	**Sampled: 10/05/11 19:35**		**Received: 10/06/11 12:39**						
Copper	**110**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 18:36	EPA 200.8	
Zinc	**830**	10	"	10	"	"	10/11/11 14:15	"	
C-B07-7-100511 (1110092-07) Liquid	**Sampled: 10/05/11 17:28**		**Received: 10/06/11 12:39**						
Copper	**320**	10	µg/L	10	B1J0731	10/07/11	10/11/11 14:16	EPA 200.8	
Zinc	**820**	10	"	"	"	"	"	"	

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SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-100511 (1110092-08) Liquid Sampled: 10/05/11 17:45 Received: 10/06/11 12:39									
Copper	**30**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 18:52	EPA 200.8	
Zinc	**58**	6.0	"	"	"	"	"	"	
C-B08-10A-100511 (1110092-09) Liquid Sampled: 10/05/11 17:30 Received: 10/06/11 12:39									
Copper	**230**	10	µg/L	10	B1J0731	10/07/11	10/11/11 15:31	EPA 200.8	
Zinc	**810**	10	"	"	"	"	10/11/11 14:18	"	
C-B12-9A-100511 (1110092-10) Liquid Sampled: 10/05/11 18:00 Received: 10/06/11 12:39									
Copper	**22**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 18:59	EPA 200.8	
Zinc	**62**	6.0	"	"	"	"	"	"	
S-B06-12-100511 (1110092-11) Liquid Sampled: 10/05/11 19:33 Received: 10/06/11 12:39									
Copper	**21**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 19:11	EPA 200.8	
Zinc	**74**	6.0	"	"	"	"	"	"	
C-B08-10A-100511-DUP (1110092-13) Liquid Sampled: 10/05/11 17:30 Received: 10/06/11 12:39									
Copper	**230**	10	µg/L	10	B1J0731	10/07/11	10/11/11 15:32	EPA 200.8	
Zinc	**850**	10	"	"	"	"	10/11/11 14:19	"	
S-B06-12-100511-DUP (1110092-15) Liquid Sampled: 10/05/11 19:33 Received: 10/06/11 12:39									
Copper	**18**	3.0	µg/L	2	B1J0731	10/07/11	10/10/11 19:38	EPA 200.8	
Zinc	**57**	6.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	11/22/11 09:58

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-100511 (1110092-01) Liquid	**Sampled: 10/05/11 18:55**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 14:35	EPA 8015B	
Surrogate: o-Terphenyl		*86.2 %*	*60-175*		"	"	"	"	
Jet-A	**0.085**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*86.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.12**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*86.2 %*	*60-175*		"	"	"	"	
C-B03-2-100511 (1110092-02) Liquid	**Sampled: 10/05/11 17:50**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 12:06	EPA 8015B	
Surrogate: o-Terphenyl		*105 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*60-175*		"	"	"	"	
C-B05-3-100511 (1110092-03) Liquid	**Sampled: 10/05/11 20:25**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 15:10	EPA 8015B	
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.29**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
C-B05-4-100511 (1110092-04) Liquid	**Sampled: 10/05/11 18:17**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 15:22	EPA 8015B	
Surrogate: o-Terphenyl		*87.8 %*	*60-175*		"	"	"	"	
Jet-A	**0.24**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*87.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.46**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*87.8 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-100511 (1110092-05) Liquid	**Sampled: 10/05/11 19:07**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 13:38	EPA 8015B	
Surrogate: o-Terphenyl		*96.1 %*	*60-175*		"	"	"	"	
Jet-A	**0.18**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*96.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.29**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*96.1 %*	*60-175*		"	"	"	"	
C-B07-6-100511 (1110092-06) Liquid	**Sampled: 10/05/11 19:35**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 15:34	EPA 8015B	
Surrogate: o-Terphenyl		*88.4 %*	*60-175*		"	"	"	"	
Jet-A	**0.88**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*88.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.6**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*88.4 %*	*60-175*		"	"	"	"	
C-B07-7-100511 (1110092-07) Liquid	**Sampled: 10/05/11 17:28**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 14:01	EPA 8015B	
Surrogate: o-Terphenyl		*91.7 %*	*60-175*		"	"	"	"	
Jet-A	**0.36**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*91.7 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.23**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*91.7 %*	*60-175*		"	"	"	"	
C-B08-8-100511 (1110092-08) Liquid	**Sampled: 10/05/11 17:45**	**Received: 10/06/11 12:39**							
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 13:49	EPA 8015B	
Surrogate: o-Terphenyl		*73.0 %*	*60-175*		"	"	"	"	
Jet-A	**0.51**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*73.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.45**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*73.0 %*	*60-175*		"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	11/22/11 09:58

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-100511 (1110092-09) Liquid	**Sampled: 10/05/11 17:30**		**Received: 10/06/11 12:39**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 14:47	EPA 8015B	
Surrogate: o-Terphenyl		*84.1 %*	*60-175*		"	"	"	"	
Jet-A	**0.11**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*84.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.15**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*84.1 %*	*60-175*		"	"	"	"	
C-B12-9A-100511 (1110092-10) Liquid	**Sampled: 10/05/11 18:00**		**Received: 10/06/11 12:39**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 12:29	EPA 8015B	
Surrogate: o-Terphenyl		*95.3 %*	*60-175*		"	"	"	"	
Jet-A	**0.14**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*95.3 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.33**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*95.3 %*	*60-175*		"	"	"	"	
C-B08-10A-100511-DUP (1110092-13) Liquid	**Sampled: 10/05/11 17:30**		**Received: 10/06/11 12:39**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 14:24	EPA 8015B	
Surrogate: o-Terphenyl		*104 %*	*60-175*		"	"	"	"	
Jet-A	**0.12**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*104 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.14**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*104 %*	*60-175*		"	"	"	"	
C-B07-6-100511-BL (1110092-14) Liquid	**Sampled: 10/05/11 19:37**		**Received: 10/06/11 12:39**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1J1301	10/07/11	10/12/11 12:17	EPA 8015B	
Surrogate: o-Terphenyl		*89.9 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*89.9 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*89.9 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	11/22/11 09:58

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-100511 (1110092-03) Liquid	**Sampled: 10/05/11 20:25**		**Received: 10/06/11 12:39**						
PCB-1016	ND	0.50	µg/L	1	B1J0711	10/07/11	10/11/11 09:22	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		*66.4 %*	*42-147*		"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.8 %*	*42-147*		"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

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 B1J0730 - EPA 200 Series										
Blank (B1J0730-BLK1)				Prepared: 10/07/11 Analyzed: 10/11/11						
Aluminum	ND	50	µg/L							
Copper	ND	3.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	6.0	"							
Blank (B1J0730-BLK2)				Prepared: 10/07/11 Analyzed: 10/11/11						
Aluminum	ND	50	µg/L							
Copper	ND	3.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	6.0	"							
LCS (B1J0730-BS1)				Prepared: 10/07/11 Analyzed: 10/11/11						
Aluminum	93.0	50	µg/L	100		93.0	85-115			
Copper	96.8	3.0	"	100		96.8	85-115			
Iron	0.874	0.050	mg/L	1.00		87.4	85-115			
Lead	102	2.0	µg/L	100		102	85-115			
Zinc	104	6.0	"	100		104	85-115			
LCS (B1J0730-BS2)				Prepared: 10/07/11 Analyzed: 10/11/11						
Aluminum	93.3	50	µg/L	100		93.3	85-115			
Copper	94.1	3.0	"	100		94.1	85-115			
Iron	0.925	0.050	mg/L	1.00		92.5	85-115			
Lead	98.1	2.0	µg/L	100		98.1	85-115			
Zinc	100	6.0	"	100		100	85-115			
Matrix Spike (B1J0730-MS1)	**Source: 1110051-01**			Prepared: 10/07/11 Analyzed: 10/11/11						
Aluminum	194	50	µg/L	100	11000	NR	70-130			QM-4X
Copper	94.8	3.0	"	100	8.2	86.6	70-130			
Iron	0.873	0.050	mg/L	1.00	0.086	78.7	70-130			
Lead	99.4	2.0	µg/L	100	8.3	91.1	70-130			
Zinc	278	6.0	"	100	210	68.0	70-130			QM-07

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

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

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 B1J0730 - EPA 200 Series										
Matrix Spike (B1J0730-MS2)	**Source: 1110092-10**			Prepared: 10/07/11		Analyzed: 10/11/11				
Aluminum	185	50	µg/L	100	93	92.0	70-130			
Copper	127	3.0	"	100	38	89.0	70-130			
Iron	1.06	0.050	mg/L	1.00	0.17	89.0	70-130			
Lead	98.5	2.0	µg/L	100	0.85	97.6	70-130			
Zinc	182	6.0	"	100	86	96.0	70-130			
Matrix Spike Dup (B1J0730-MSD1)	**Source: 1110051-01**			Prepared: 10/07/11		Analyzed: 10/11/11				
Aluminum	223	50	µg/L	100	11000	NR	70-130	13.9	30	QM-4X
Copper	96.5	3.0	"	100	8.2	88.3	70-130	1.78	30	
Iron	0.889	0.050	mg/L	1.00	0.086	80.3	70-130	1.82	30	
Lead	99.0	2.0	µg/L	100	8.3	90.7	70-130	0.403	30	
Zinc	287	6.0	"	100	210	77.0	70-130	3.19	30	
Matrix Spike Dup (B1J0730-MSD2)	**Source: 1110092-10**			Prepared: 10/07/11		Analyzed: 10/11/11				
Aluminum	206	50	µg/L	100	93	113	70-130	10.7	30	
Copper	138	3.0	"	100	38	100	70-130	8.30	30	
Iron	1.12	0.050	mg/L	1.00	0.17	95.0	70-130	5.50	30	
Lead	102	2.0	µg/L	100	0.85	101	70-130	3.49	30	
Zinc	196	6.0	"	100	86	110	70-130	7.41	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

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 B1J0731 - EPA 200 Series										
Blank (B1J0731-BLK1)				Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	ND	3.0	µg/L							
Zinc	ND	6.0	"							
Blank (B1J0731-BLK2)				Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	ND	3.0	µg/L							
Zinc	ND	6.0	"							
LCS (B1J0731-BS1)				Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	97.0	3.0	µg/L	100		97.0	85-115			
Zinc	99.4	6.0	"	100		99.4	85-115			
LCS (B1J0731-BS2)				Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	95.4	3.0	µg/L	100		95.4	85-115			
Zinc	107	6.0	"	100		107	85-115			
Matrix Spike (B1J0731-MS1)	**Source: 1110092-01**			Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	113	3.0	µg/L	100	22	91.0	70-130			
Zinc	990	20	"	100	890	100	70-130			
Matrix Spike (B1J0731-MS2)	**Source: 1110092-11**			Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	110	3.0	µg/L	100	21	89.0	70-130			
Zinc	160	6.0	"	100	74	86.0	70-130			
Matrix Spike Dup (B1J0731-MSD1)	**Source: 1110092-01**			Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	115	3.0	µg/L	100	22	93.0	70-130	1.75	30	
Zinc	1010	20	"	100	890	120	70-130	2.00	30	
Matrix Spike Dup (B1J0731-MSD2)	**Source: 1110092-11**			Prepared: 10/07/11 Analyzed: 10/10/11						
Copper	112	3.0	µg/L	100	21	91.0	70-130	1.80	30	
Zinc	164	6.0	"	100	74	90.0	70-130	2.47	30	

SIERRA ANALYTICAL

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	11/22/11 09:58

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 B1J1301 - EPA 3510C Sep Funnel										
Blank (B1J1301-BLK1)				Prepared: 10/07/11 Analyzed: 10/12/11						
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	*0.0913*		"	*0.100*		*91.3*	*60-175*			
Surrogate: o-Terphenyl	*0.0913*		"	*0.100*		*91.3*	*60-175*			
Surrogate: o-Terphenyl	*0.0913*		"	*0.100*		*91.3*	*60-175*			
LCS (B1J1301-BS1)				Prepared: 10/07/11 Analyzed: 10/12/11						
Diesel Range Organics (C10-C24)	0.449	0.050	mg/L	0.500		89.8	80-120			
Diesel Range Organics (C10-C24)	0.449	0.050	"	0.500		89.8	80-120			
Diesel Range Organics (C10-C24)	0.449	0.050	"	0.500		89.8	80-120			
LCS (B1J1301-BS2)				Prepared: 10/07/11 Analyzed: 10/12/11						
Diesel Range Organics (C10-C24)	0.443	0.050	mg/L	0.500		88.6	80-120			
Diesel Range Organics (C10-C24)	0.443	0.050	"	0.500		88.6	80-120			
Diesel Range Organics (C10-C24)	0.443	0.050	"	0.500		88.6	80-120			
LCS Dup (B1J1301-BSD1)				Prepared: 10/07/11 Analyzed: 10/12/11						
Diesel Range Organics (C10-C24)	0.428	0.050	mg/L	0.500		85.6	80-120	4.79	30	
Diesel Range Organics (C10-C24)	0.428	0.050	"	0.500		85.6	80-120	4.79	30	
Diesel Range Organics (C10-C24)	0.428	0.050	"	0.500		85.6	80-120	4.79	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

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 B1J0711 - EPA 3510C Sep Funnel										
Blank (B1J0711-BLK1)				Prepared: 10/07/11 Analyzed: 10/11/11						
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	*0.152*		"	*0.250*		*60.8*	*42-147*			
Surrogate: Tetrachloro-meta-xylene	*0.139*		"	*0.250*		*55.6*	*42-147*			
LCS (B1J0711-BS1)				Prepared: 10/07/11 Analyzed: 10/11/11						
PCB-1260	2.37	0.50	µg/L	2.00		118	80-120			
LCS (B1J0711-BS2)				Prepared: 10/07/11 Analyzed: 10/11/11						
PCB-1260	2.15	0.50	µg/L	2.00		108	80-120			
LCS Dup (B1J0711-BSD1)				Prepared: 10/07/11 Analyzed: 10/11/11						
PCB-1260	2.15	0.50	µg/L	2.00		108	80-120	9.73	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 09:58

Notes and Definitions

D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

PTS
Laboratories, Inc.

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

October 18, 2011

Shelly Brady
Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite 105
Laguna Hills, CA 92653

Re: PTS File No: 41722
Physical Properties Data
1110092

Dear Ms. Brady:

Please find enclosed report for Physical Properties analyses conducted upon samples received from your 1110092 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please contact Rachel Spitz at (562) 347-2504.

Sincerely,
PTS Laboratories

for Rachel Spitz

Michael Mark Brady, P.G.
District Manager

Encl.

PTS Laboratories

Project Name: N/A
Project Number: 1110092

PTS File No: 41722
Client: Sierra Analytical Labs

TEST PROGRAM - 20111011

FLUID ID	Date	Time	Fluid Type / Matrix	Particle Size: Microsize				Notes
Method:				ASTM D4464				
Date Received: 20111011								
1110092-12	20111005	1910	Aqueous	X				
TOTALS:			1 Aqueous	1				

Laboratory Test Program Notes
Standard TAT for microsize analysis is 5-10 business days.

PTS Laboratories, Inc.

Sierra Analytical Labs
PTS File No: 41722

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1110092

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%
*1110092-12	Aqueous	52.587	150.830	125.161	108.091	90.454	67.810	52.587	28.924	11.563	7.201	5.159	2.931

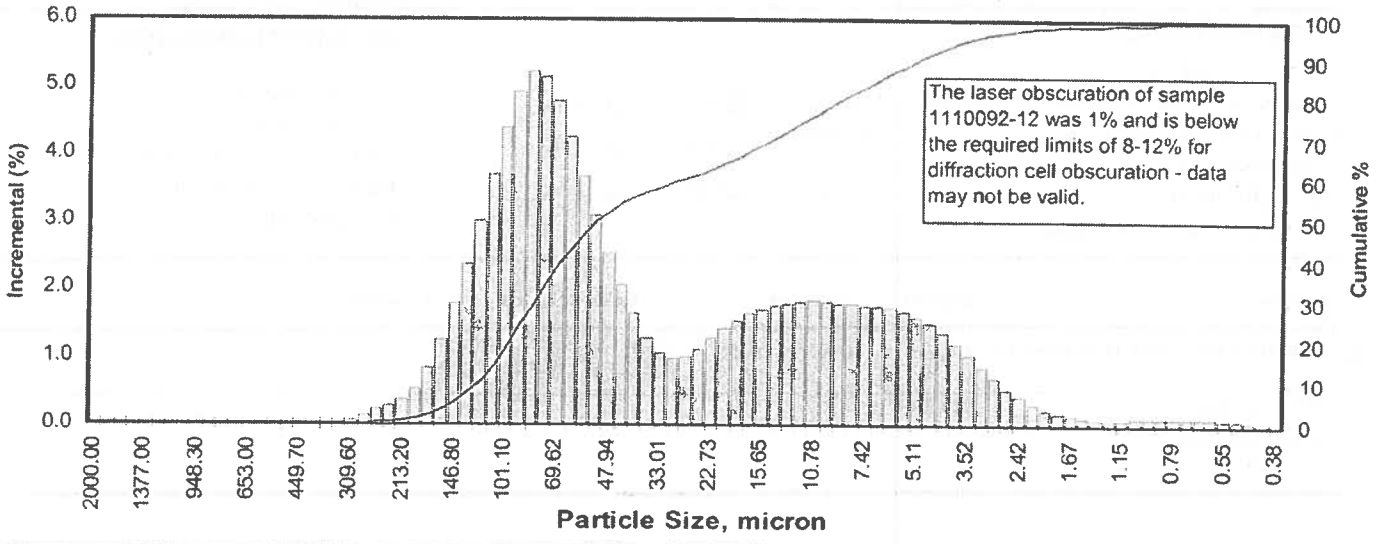
* The laser obscuration of sample 1110092-12 was 1%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs	**PTS File No:**	41722
Project:	N/A	**Sample ID:**	1110092-12
Project No:	1110092	**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	0.01	0.0
309.60	0.06	0.1
282.10	0.13	0.2
256.90	0.21	0.4
234.10	0.27	0.7
213.20	0.36	1.0
194.20	0.54	1.6
176.90	0.84	2.4
161.20	1.26	3.7
146.80	1.78	5.5
133.70	2.36	7.8
121.80	3.01	10.8
111.00	3.70	14.5
101.10	4.39	18.9
92.10	4.93	23.9
83.90	5.21	29.1
76.43	5.15	34.2
69.62	4.79	39.0
63.42	4.25	43.3
57.77	3.66	46.9

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	3.08	50.0
47.94	2.54	52.5
43.67	2.05	54.6
39.78	1.63	56.2
36.24	1.29	57.5
33.01	1.06	58.6
30.07	0.97	59.5
27.39	1.00	60.5
24.95	1.11	61.6
22.73	1.27	62.9
20.71	1.43	64.3
18.86	1.54	65.9
17.18	1.63	67.5
15.65	1.69	69.2
14.26	1.74	70.9
12.99	1.78	72.7
11.83	1.81	74.5
10.78	1.82	76.4
9.82	1.81	78.2
8.94	1.79	80.0
8.15	1.78	81.7
7.42	1.76	83.5
6.76	1.75	85.2
6.16	1.72	87.0
5.61	1.67	88.6
5.11	1.59	90.2
4.66	1.49	91.7
4.24	1.35	93.1
3.86	1.20	94.3
3.52	1.03	95.3
3.21	0.86	96.2
2.92	0.69	96.8
2.66	0.54	97.4
2.42	0.41	97.8
2.21	0.31	98.1
2.01	0.22	98.3
1.83	0.16	98.5
1.67	0.13	98.6
1.52	0.10	98.7

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.093	98.8
1.261	0.092	98.9
1.149	0.095	99.0
1.047	0.100	99.1
0.954	0.110	99.2
0.869	0.110	99.3
0.791	0.120	99.4
0.721	0.110	99.5
0.657	0.110	99.7
0.598	0.098	99.7
0.545	0.085	99.8
0.496	0.070	99.9
0.452	0.049	100.0
0.412	0.034	100.0
0.375	0.019	100.0
TOTALS:	**100.01**	**100.0**

Measure	Trask	Inman
Median, mm	0.0526	0.0526
Median, micron	52.587	52.587
Mean, mm	0.0510	0.0279
Mean, micron	51.009	27.900
Sorting	2.7969	1.954
Skewness	0.6150	0.468
Kurtosis	0.3287	0.455

Distribution percent	Cumulative Percent greater than Particle Size	
	Micron	Millimeters
5	150.830	0.1508
10	125.161	0.1252
16	108.091	0.1081
25	90.454	0.0905
40	67.810	0.0678
50	52.587	0.0526
60	28.924	0.0289
75	11.563	0.0116
84	7.201	0.0072
90	5.159	0.0052
95	2.931	0.0029

Phone: (562) 907-3607

Fax: (562) 907-3611

SUBCONTRACT ORDER

Sierra Analytical Labs, Inc.

Sierra Project #: 1110092

#41722

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-B06-12-100511 (1110092-12)	Liquid	10/05/11 19:10		
Full Particle Sizing	04/02/12 19:10			

Containers Supplied:
1L Amber (C)

Special Instructions :

☑ Intact ☐ Sample Seals
☑ Properly Labeled ☑ Chilled TEMP (°C) 5.9°F
☑ Appropriate Container ☐ Preservatives - Verified By

Relinquished By	Date / Time	Received By	Date / Time
	10-11-11 / 10:00	PTS Labs Inc	10/11/11 10:00 AM
Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time

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REPORT

Client: Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: Nick Forsyth
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1110092
Method : EPA 8015B
Investigation: Glycols

Laboratory No: 997768
Report Date: October 13, 2011
Sampling Date: October 5, 2011
Receiving Date: October 10, 2011
Analysis Date: October 13, 2011
Units: mg/L
Dilution Factor: 2
Reported By: LES

Analytical Results

Sample ID	Sample Description	Propylene Glycol	Ethylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
709610-MB	Method Blank	ND	ND	158	78.8%
997768-1	C-B01-1A-100511	ND	ND	188	94.0%
997768-2	C-B03-2-100511	ND	ND	183	91.4%
997768-3	C-B05-3-100511	ND	ND	171	85.7%
997768-4	C-B05-4-100511	ND	ND	190	95.0%
997768-5	C-B06-5-100511	ND	ND	177	88.3%
997768-6	C-B07-6-100511	ND	ND	174	87.2%
997768-7	C-B07-7-100511	ND	ND	179	89.3%
997768-8	C-B08-8-100511	ND	ND	171	85.6%
997768-9	C-B08-10A-100511	ND	ND	179	89.4%
997768-10	C-B12-9A-100511	ND	ND	193	96.3%
997768-11	S-B06-12-100511	ND	ND	204	102%
997768-12	C-B08-10A-100511-Dup	ND	ND	202	101%
Practical Quantitation Limits		5.0	5.0	Surrogate Conc. = 200	APR = 50-200%
Sample RLs		**10.0**	**10.0**		

ND: Not detected, or below limit of detection.
RL: Reporting limit, or least amount of analyte quantifiable based on average sample size used and analytical technique employed.
APR: Allowable Percent Recovery

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

TRUESDAIL LABORATORIES, INC.
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REPORT

Client: Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: Nick Forsyth
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1110092
Method Number: EPA 8015B
Investigation: Glycols

QA/QC Batch No: 709610
Laboratory No: 997768
Report Date: October 13, 2011
Sampling Date: October 5, 2011
Receiving Date: October 10, 2011
Analysis Date: October 13, 2011
Units: mg/L
Reported By: LES

Quality Control/Quality Assurance Calibration Check Report

MRCVS

Parameter	Spiked Concentration	Recovered Concentration	Percent Recovery	Flag	Accuracy Control Limits
Propylene Glycol	50.0	50.0	100%	PASS	70-130
Ethylene Glycol	50.0	42.3	84.7%	PASS	70-130

Quality Control/Quality Assurance Spikes Report

LCS/LCSD

Parameter	Spike Conc.	Recovered Concentration		Percent Recovery (%)		RPD (%)	Flag	Accuracy Control Limits	
		LCS	LCSD	LCS	LCSD			RPD	% Recovery
Propylene Glycol	50.0	51.3	47.0	103%	94.0%	8.71%	PASS	20	70-130
Ethylene Glycol	50.0	38.8	45.6	77.7%	91.2%	15.9%	PASS	20	70-130

MRCVS: Mid Range Calibration Verification Standard
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate
RPD: Relative Percent Difference
Flag: "Pass" If within Control Limits; otherwise "Fail"

Rossina Tombva, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 10/06/2011 Page: 1 of 7

Lab Work Order No.: 1110092

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Geotracker EDD Info:
Client LOGCODE
Site Global ID
Field Point Names / Comments

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)
C-B01-1a- 100511	01	10/05/11	18:55	STORMWATER	NONE	PLASTIC	2	X			
C-B01-1a- 100511		10/05/11	18:55	STORMWATER	NONE	40ml VOA	2		X		
C-B01-1a- 100511		10/05/11	18:55	STORMWATER	NONE	CLR GLASS	1			X	
C-B01-1a- 100511		10/05/11	18:55	STORMWATER	NONE	AMBER GLASS	1				X
C-B03-2- 100511	02	10/05/11	17:50	STORMWATER	NONE	PLASTIC	2	X			
C-B03-2- 100511		10/05/11	17:50	STORMWATER	NONE	40ml VOA	2		X		
C-B03-2- 100511		10/05/11	17:50	STORMWATER	NONE	CLR GLASS	1			X	
C-B03-2- 100511		10/05/11	17:50	STORMWATER	NONE	AMBER GLASS	1				X
C-B05-3- 100511	03	10/05/11	20:25	STORMWATER	NONE	PLASTIC	2	X			
C-B05-3- 100511		10/05/11	20:25	STORMWATER	NONE	40ml VOA	2		X		

Analyses Requested

1 Sampler Signature: A J Archerhold
Printed Name: Amanda Archerhold
Shipped Via: Sierra
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

2 Relinquished By: A. J Archerhold Date: 10/12/33 Time: 10/4/11
Company: AMEC
Received By: SA Date: 10-6-11 Time: 1739

3 Relinquished By: SA Date: 10-6-11 Time: 1545
Company: SA
Received By: Sierra Date: 10-6-11 Time: 1545

Total Number of Containers Received by Laboratory

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 3.6 3.5° 4.0°
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labelled ☐ Other
☒ Appropriate Sample Container ☒ Storage Location

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL

TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 10/06/2011 Page: 2 of 7

Lab Work Order No.: 1110092

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	PCB							Field Point Names / Comments
C-B05-3-100511	02	10/05/11	20:25	STORMWATER	NONE	CLR GLASS	1			X									
C-B05-3-100511	↓	10/05/11	20:25	STORMWATER	NONE	AMBER GLASS	1				X								
C-B05-3-100511	↓	10/05/11	20:25	STORMWATER	NONE	AMBER GLASS	1					X							
C-B05-4-100511	04	10/05/11	18:17	STORMWATER	NONE	PLASTIC	2	X											
C-B05-4-100511		10/05/11	18:17	STORMWATER	NONE	40 ml VOA	2		X										
C-B05-4-100511		10/05/11	18:17	STORMWATER	NONE	CLR GLASS	1			X									
C-B05-4-100511	↓	10/05/11	18:17	STORMWATER	NONE	AMBER GLASS	1				X								
C-B06-5-100511	05	10/05/11	19:07	STORMWATER	NONE	PLASTIC	2	X											
C-B06-5-100511	↓	10/05/11	19:07	STORMWATER	NONE	40 ml VOA	2		X										

Geotracker EDD Info:
Client LOGCODE
Site Global ID

1
Sampler Signature: A.J. Archenhold
Shipped Via: Sierra
Printed Name: ARCHENHOLD
(Carrier/Waybill No.)

2
Relinquished By: A J Archenhold Date: 10/6/11 Received By: [signature] Date: 10-6-4
Company: AMEC Time: 12:32 Company: SA Time: 1239

3
Relinquished By: [signature] Date: 10-6-11 Received By: [signature] Date: 10-6-11
Company: SA Time: 1545 Company: Sierra Time: 1545

4
Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ______

FOR LABORATORY USE ONLY: Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seal ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location Walk-in R-04

Rev: 02/1104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 10 / 06 / 2011 Page: 3 of 7

Lab Work Order No.: 1110092

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)								Field Point Names / Comments
C-B06-5-100511	05	10/05/11	19:07	STORMWATER	NONE	CLR GLASS	1			X									
C-B06-5-100511	↓	10/05/11	19:07	STORMWATER	NONE	AMBER GLASS	1				X								
C-B07-6-100511	06	10/05/11	19:35	STORMWATER	NONE	PLASTIC	2	X											
C-B07-6-100511	↓	10/05/11	19:35	STORMWATER	NONE	40ml VOA	2		X										
C-B07-6-100511	↓	10/05/11	19:35	STORMWATER	NONE	CLR GLASS	1			X									
C-B07-6-100511	↓	10/05/11	19:35	STORMWATER	NONE	AMBER GLASS	1				X								
C-B07-7-100511	07	10/05/11	17:28	STORMWATER	NONE	PLASTIC	2	X											
C-B07-7-100511	↓	10/05/11	17:28	STORMWATER	NONE	40ml VOA	2		X										
C-B07-7-100511	↓	10/05/11	17:28	STORMWATER	NONE	CLR GLASS	1			X									
C-B07-7-100511	↓	10/05/11	17:28	STORMWATER	NONE	AMBER GLASS	1				X								

1
Sampler Signature: AJArchenhold Shipped Via: Siena
Printed Name: ARCHENHOLD (Carrier/Waybill No.)

2
Relinquished By: AJArchenhold Date: 10/6/11 Received By: [signature] Date: 10-6-11
Company: AMEC Time: 12:32 Company: SA Time: 1239

3
Relinquished By: [signature] Date: 10-6-11 Received By: [signature] Date: 10/6/11
Company: SA Time: 1545 Company: Sierra Time: 1545

4
Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives Verified By:
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location: Walk-in - Room

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL
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CHAIN OF CUSTODY RECORD

Date: 10/06/2011 Page: 4 of 7

Lab Work Order No.: 1110092

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC); tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Geotracker EDD Info: / Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B08-8- 100511	08	10/05/11	17:45	STORMWATER	NONE	PLASTIC	2	X				
C-B08-8- 100511		10/05/11	17:45	STORMWATER	NONE	40ml VOA	2		X			
C-B08-8- 100511		10/05/11	17:45	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-8- 100511		10/05/11	17:45	STORMWATER	NONE	AMBER GLASS	1				X	
C-B08-10a- 100511	09	10/05/11	17:30	STORMWATER	NONE	PLASTIC	2	X				
C-B08-10a- 100511		10/05/11	17:30	STORMWATER	NONE	40ml VOA	2		X			
C-B08-10a- 100511		10/05/11	17:30	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-10a- 100511		10/05/11	17:30	STORMWATER	NONE	AMBER GLASS	1				X	
C-B12-9a- 100511	10	10/05/11	18:00	STORMWATER	NONE	PLASTIC	2	X				[redacted]
C-B12-9a- 100511		10/05/11	18:00	STORMWATER	NONE	40ml VOA	2		X			

1 Sampler Signature: AJArchenhold
Printed Name: ARCHENHOLD
Shipped Via: Sierra (Carrier/Waybill No.)

2 Relinquished By: AJArchenhold Date: 10/6/11 Time: 12:32
Company: AMEC
Received By: SA Date: 10-6-11 Time: 1239

3 Relinquished By: SA Date: 10-6-11 Time: 1545
Company: SA
Received By: Sierra Date: 10-6-11 Time: 1545

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 2.0
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labelled ☐ Other
☒ Appropriate Sample Container ☒ Storage Location Work Room - Fridge

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL

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FAX: 949 • 348 • 9115
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CHAIN OF CUSTODY RECORD

Date: 10/06/2011

Lab Work Order No.: 1110092

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Particle size distribution	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G							Field Point Names / Comments
C-B12-9a-100511	10	10/05/11	18:00	STORMWATER	NONE	CLR GLASS	1		X										[redacted]
C-B12-9a-100511	↓	10/05/11	18:00	STORMWATER	NONE	AMBER GLASS	1			X									
S-B06-12-100511	11	10/05/11	19:33	STORMWATER	NONE	5 GALL GLASS	1					X							[redacted]
S-B06-12-100511	12	10/05/11	19:10	STORMWATER	NONE	40ml VOA	2	X											[redacted]
S-B06-12-100511	↓	10/05/11	19:10	STORMWATER	NONE	AMBER GLASS	1				X								
				STORMWATER	NONE	5 GALL GLASS													
				STORMWATER	NONE	40ml VOA													
				STORMWATER	NONE	AMBER GLASS													
				STORMWATER	NONE	5 GALL GLASS													
				STORMWATER	NONE	40ml VOA													

1. Sampler Signature: A J Archenhold — Shipped Via: Sierra
Printed Name: ARCHENHOLD — (Carrier/Waybill No.)

2. Relinquished By: A J Archenhold — Date: 10/6/11 — Received By: [signature] — Date: 10-6-11
Company: AMEC — Time: 12:32 — Company: SA — Time: 1239

3. Relinquished By: [signature] — Date: 10-6-11 — Received By: [signature] — Date: 10-6-11
Company: SA — Time: 1545 — Company: Sierra — Time: 1545

4. Relinquished By: — Date: — Received By: — Date:
Company: — Time: — Company: — Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ______

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labelled ☐ Other
☒ Appropriate Sample Container ☒ Storage Location [illegible]

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL
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CHAIN OF CUSTODY RECORD

Date: 10 / 05 / 2011 Page: 6 of 7

Lab Work Order No.: 1110090

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID
Field Point Names / Comments

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC), ammonia, MBAS Ion(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD.	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	PCB
C-B08-10a 100511 -DUP	13	10/05/11	17:30	STORMWATER	NONE	PLASTIC	2	X				
C-B08-10-a 100511 -DUP		10/05/11	17:30	STORMWATER	NONE	40ml VOA	2		X			
C-B08-10-a 100511 -DUP		10/05/11	17:30	STORMWATER	NONE	CLR GLASS	1			X		
C-B08-10-a 100511 -DUP		10/05/11	17:30	STORMWATER	NONE	AMBER GLASS	1				X	
~~C-B05-3 -DUP~~				~~STORMWATER~~	~~NONE~~	~~AMBER GLASS~~	~~1~~					X

1 Sampler Signature: A Thielold
Printed Name: ARCHENHOLD
Shipped Via: Sierra
(Carrier/Waybill No.)

2 Relinquished By: AJA Archenhold Date: 10/6/11
Company: AMEC Time: 12:32
Received By: [illegible] Date: 10-6-11
Company: SA Time: 1239

3 Relinquished By: [illegible] Date: 10-6-11
Company: SA Time: 1545
Received By: [illegible] Date: 10-6-11
Company: Sierra Time: 1545

4 Relinquished By: Date: Time:
Received By: Date: Time:
Company: Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location Woodland - Vault

Rev: 02/11/04

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 10/06/11 Page: 7 of 7

Lab Work Order No.: 1110092

Client: ~~MACTEC~~ AMEC (formerly MACTEC)
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), ~~diss(Cu,Zn)~~, BOD, COD, ammonia, MBAS	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, oil & grease	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), BOD, COD, oil & grease
C-B07 6-100511 -BL	14	10/05/11	19:37	STORMWATER	NONE	PLASTIC	2	X				
C-B07 6-100511 -BL		10/05/11	19:37	STORMWATER	NONE	CLR GLASS	1		X			
C-B076-100511 -BL		10/05/11	19:37	STORMWATER	NONE	AMBER GLASS	1			X		
S- B06-12- 100511 -DUP	15	10/05/11	19:33	STORMWATER	NONE	5 GALL GLASS	1				X	
S- B06-12- 100511 -BL	16	10/05/11	19:35	STORMWATER	NONE	5 GALL GLASS	1					X

Geotracker EDD Info:
Client LOGCODE
Site Global ID
Field Point Names / Comments

1 Sampler Signature: A.J Archenhold
Printed Name: ARCHENHOLD
Shipped Via: Sierra (Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

2 Relinquished By: A.J Archenhold	Date: 10/6/11	Received By:	Date: 10-6-11
Company: AMEC	Time: 12:32	Company: SA	Time: 1239
3 Relinquished By:	Date: 10-6-11	Received By:	Date: 10-6-11
Company: SA	Time: 1545	Company: Sierra	Time: 1545
4 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Special Instructions:

FOR LABORATORY USE ONLY: Sample Receipt Conditions:
☑ Intact ☑ Chilled (Temp (°C): 4.0)
☐ Sample Seals ☐ Preservative Verified By:
☑ Properly Labeled ☐ Other:
☑ Appropriate Sample Container ☑ Storage Location: Walkin - 12-04

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

Second Storm Event

SIERRA ANALYTICAL

22 November 2011

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

RE:San Diego Airport

Work Order No.: 1111100

Attached are the results of the analyses for samples received by the laboratory on 11/05/11 11:15.

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

Richard K. Forsyth

Laboratory Director

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

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1A-11042011	1111100-01	Liquid	11/04/11 11:10	11/05/11 11:15
C-B03-2-11042011	1111100-02	Liquid	11/04/11 11:14	11/05/11 11:15
C-B05-3-11042011	1111100-03	Liquid	11/04/11 12:10	11/05/11 11:15
C-B05-4-11042011	1111100-04	Liquid	11/04/11 10:48	11/05/11 11:15
C-B06-5-11042011	1111100-05	Liquid	11/04/11 09:35	11/05/11 11:15
C-B07-6-11042011	1111100-06	Liquid	11/04/11 11:30	11/05/11 11:15
C-B07-7-11042011	1111100-07	Liquid	11/04/11 09:10	11/05/11 11:15
C-B08-8-11042011	1111100-08	Liquid	11/04/11 09:10	11/05/11 11:15
C-B08-10A-11042011	1111100-09	Liquid	11/04/11 08:55	11/05/11 11:15
C-B12-9A-11042011	1111100-10	Liquid	11/04/11 09:30	11/05/11 11:15
S-B06-12-11042011	1111100-11	Liquid	11/05/11 02:51	11/05/11 11:15
S-B06-12-11042011	1111100-12	Liquid	11/04/11 09:45	11/05/11 11:15
C-B07-6-11042011-DUP	1111100-13	Liquid	11/04/11 11:30	11/05/11 11:15
C-B05-4-11042011-BL	1111100-14	Liquid	11/04/11 10:48	11/05/11 11:15

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, and accompanied by chain of custody documentation.
PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES: All holding times were met, unless otherwises noted in the report with data qualifiers.
QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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-11042011 (1111100-01) Liquid	**Sampled: 11/04/11 11:10**		**Received: 11/05/11 11:15**						
Ammonia as N	**0.800**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**18.2**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**73.0**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**187**	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	**6.90**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**3.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-11042011 (1111100-02) Liquid	**Sampled: 11/04/11 11:14**		**Received: 11/05/11 11:15**						
Ammonia as N	**3.30**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**11.0**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**42.0**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**184**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.250**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.43**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-11042011 (1111100-03) Liquid	**Sampled: 11/04/11 12:10**		**Received: 11/05/11 11:15**						
Ammonia as N	**1.50**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**20.8**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**75.0**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**317**	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	**6.88**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**16.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-11042011 (1111100-04) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.90**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**54.0**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**200**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**330**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.10**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.210**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.31**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**19.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-11042011 (1111100-05) Liquid	**Sampled: 11/04/11 09:35**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.80**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**22.4**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**85.0**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**156**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.180**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.24**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-11042011 (1111100-06) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.70**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**14.8**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**57.0**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**141**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	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	H-01
Total Suspended Solids	**5.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-11042011 (1111100-07) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Ammonia as N	**1.10**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**36.5**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**135**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**187**	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	**6.44**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**31.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-8-11042011 (1111100-08) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.00**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**71.8**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**272**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**582**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.130**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.95**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**5.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B08-10A-11042011 (1111100-09) Liquid	**Sampled: 11/04/11 08:55**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.95**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**40.4**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**150**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**190**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.00**	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.190**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.56**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**28.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9A-11042011 (1111100-10) Liquid	**Sampled: 11/04/11 09:30**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.65**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**53.6**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**210**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**441**	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	H-01
Total Suspended Solids	**3.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-11042011 (1111100-11) Liquid	**Sampled: 11/05/11 02:51**		**Received: 11/05/11 11:15**						
Biochemical Oxygen Demand	**42.6**	2.00	mg/L	1	B1K1124	11/05/11	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**178**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**87.2**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
pH	**7.26**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-11042011-DUP (1111100-13) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Ammonia as N	**2.75**	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	**14.1**	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	**54.0**	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**138**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	2.00	mg/L	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	**0.220**	0.0500	"	"	"	"	"	EPA 425.1	
pH	**6.30**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**4.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-11042011-BL (1111100-14) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Ammonia as N	ND	0.100	mg/L	1	B1K1124	11/05/11	11/05/11 16:15	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	11/10/11 16:15	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	11/05/11 16:15	EPA 410.4	
Specific Conductance (EC)	**2.35**	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	**7.58**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	

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SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1A-11042011 (1111100-01) Liquid	**Sampled: 11/04/11 11:10**		**Received: 11/05/11 11:15**						
Aluminum	**130**	50	µg/L	2	B1K0804	11/08/11	11/15/11 12:55	EPA 200.8	
Copper	**17**	2.0	"	"	"	"	"	"	
Iron	**0.10**	0.050	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**290**	4.0	"	"	"	"	"	"	
C-B03-2-11042011 (1111100-02) Liquid	**Sampled: 11/04/11 11:14**		**Received: 11/05/11 11:15**						
Aluminum	**150**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:00	EPA 200.8	
Copper	**530**	2.0	"	"	"	"	"	"	
Iron	**0.15**	0.050	mg/L	"	"	"	"	"	
Lead	**55**	2.0	µg/L	"	"	"	"	"	
Zinc	**210**	4.0	"	"	"	"	"	"	
C-B05-3-11042011 (1111100-03) Liquid	**Sampled: 11/04/11 12:10**		**Received: 11/05/11 11:15**						
Aluminum	**1000**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:01	EPA 200.8	
Copper	**27**	2.0	"	"	"	"	"	"	
Iron	**0.83**	0.050	mg/L	"	"	"	"	"	
Lead	**6.1**	2.0	µg/L	"	"	"	"	"	
Zinc	**72**	4.0	"	"	"	"	"	"	
C-B05-4-11042011 (1111100-04) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Aluminum	**300**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:02	EPA 200.8	
Copper	**600**	2.0	"	"	"	"	"	"	
Iron	**0.36**	0.050	mg/L	"	"	"	"	"	
Lead	**3.4**	2.0	µg/L	"	"	"	"	"	
Zinc	**1400**	4.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-10A-11042011 (1111100-09) Liquid	**Sampled: 11/04/11 08:55**		**Received: 11/05/11 11:15**						
Aluminum	**280**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:12	EPA 200.8	
Copper	**99**	2.0	"	"	"	"	"	"	
Iron	**0.33**	0.050	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**370**	4.0	"	"	"	"	"	"	
C-B12-9A-11042011 (1111100-10) Liquid	**Sampled: 11/04/11 09:30**		**Received: 11/05/11 11:15**						
Aluminum	**100**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:13	EPA 200.8	
Copper	**84**	2.0	"	"	"	"	"	"	
Iron	**0.10**	0.050	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**210**	4.0	"	"	"	"	"	"	
S-B06-12-11042011 (1111100-11) Liquid	**Sampled: 11/05/11 02:51**		**Received: 11/05/11 11:15**						
Aluminum	**130**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:18	EPA 200.8	
Copper	**20**	2.0	"	"	"	"	"	"	
Iron	**0.12**	0.050	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**50**	4.0	"	"	"	"	"	"	
C-B07-6-11042011-DUP (1111100-13) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Aluminum	**77**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:22	EPA 200.8	
Copper	**66**	2.0	"	"	"	"	"	"	
Iron	**1.7**	0.050	mg/L	"	"	"	"	"	
Lead	**3.4**	2.0	µg/L	"	"	"	"	"	
Zinc	**430**	4.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-11042011 (1111100-05) Liquid	**Sampled: 11/04/11 09:35**		**Received: 11/05/11 11:15**						
Aluminum	**460**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:04	EPA 200.8	
Copper	**250**	2.0	"	"	"	"	"	"	
Iron	**0.48**	0.050	mg/L	"	"	"	"	"	
Lead	**2.1**	2.0	µg/L	"	"	"	"	"	
Zinc	**200**	4.0	"	"	"	"	"	"	
C-B07-6-11042011 (1111100-06) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Aluminum	**78**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:05	EPA 200.8	
Copper	**72**	2.0	"	"	"	"	"	"	
Iron	**1.8**	0.050	mg/L	"	"	"	"	"	
Lead	**3.6**	2.0	µg/L	"	"	"	"	"	
Zinc	**450**	4.0	"	"	"	"	"	"	
C-B07-7-11042011 (1111100-07) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Aluminum	**460**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:09	EPA 200.8	
Copper	**150**	2.0	"	"	"	"	"	"	
Iron	**0.45**	0.050	mg/L	"	"	"	"	"	
Lead	**4.9**	2.0	µg/L	"	"	"	"	"	
Zinc	**550**	4.0	"	"	"	"	"	"	
C-B08-8-11042011 (1111100-08) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Aluminum	**91**	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:11	EPA 200.8	
Copper	**160**	2.0	"	"	"	"	"	"	
Iron	**0.076**	0.050	mg/L	"	"	"	"	"	
Lead	**3.2**	2.0	µg/L	"	"	"	"	"	
Zinc	**590**	4.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-11042011-BL (1111100-14) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Aluminum	ND	50	µg/L	2	B1K0804	11/08/11	11/15/11 13:26	EPA 200.8	
Copper	ND	2.0	"	"	"	"	11/15/11 14:38	"	
Iron	ND	0.050	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	ND	4.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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-11042011 (1111100-01) Liquid	**Sampled: 11/04/11 11:10**		**Received: 11/05/11 11:15**						
Copper	**14**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:22	EPA 200.8	
Zinc	**250**	3.0	"	"	"	"	"	"	
C-B03-2-11042011 (1111100-02) Liquid	**Sampled: 11/04/11 11:14**		**Received: 11/05/11 11:15**						
Copper	**480**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:26	EPA 200.8	
Zinc	**190**	3.0	"	"	"	"	"	"	
C-B05-3-11042011 (1111100-03) Liquid	**Sampled: 11/04/11 12:10**		**Received: 11/05/11 11:15**						
Copper	**22**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:28	EPA 200.8	
Zinc	**20**	3.0	"	"	"	"	"	"	
C-B05-4-11042011 (1111100-04) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Copper	**560**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:29	EPA 200.8	
Zinc	**1300**	3.0	"	"	"	"	"	"	
C-B06-5-11042011 (1111100-05) Liquid	**Sampled: 11/04/11 09:35**		**Received: 11/05/11 11:15**						
Copper	**230**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:30	EPA 200.8	
Zinc	**180**	3.0	"	"	"	"	"	"	
C-B07-6-11042011 (1111100-06) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Copper	**40**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:32	EPA 200.8	
Zinc	**290**	3.0	"	"	"	"	"	"	
C-B07-7-11042011 (1111100-07) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Copper	**130**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:36	EPA 200.8	
Zinc	**460**	3.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	11/22/11 11:13

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8-11042011 (1111100-08) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Copper	**130**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:37	EPA 200.8	
Zinc	**520**	3.0	"	"	"	"	"	"	
C-B08-10A-11042011 (1111100-09) Liquid	**Sampled: 11/04/11 08:55**		**Received: 11/05/11 11:15**						
Copper	**84**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:39	EPA 200.8	
Zinc	**330**	3.0	"	"	"	"	"	"	
C-B12-9A-11042011 (1111100-10) Liquid	**Sampled: 11/04/11 09:30**		**Received: 11/05/11 11:15**						
Copper	**58**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:40	EPA 200.8	
Zinc	**180**	3.0	"	"	"	"	"	"	
S-B06-12-11042011 (1111100-11) Liquid	**Sampled: 11/05/11 02:51**		**Received: 11/05/11 11:15**						
Copper	**9.2**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:44	EPA 200.8	
Zinc	**25**	3.0	"	"	"	"	"	"	
C-B07-6-11042011-DUP (1111100-13) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Copper	**39**	2.0	µg/L	2	B1K0803	11/08/11	11/15/11 12:48	EPA 200.8	
Zinc	**310**	3.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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-11042011 (1111100-01) Liquid	**Sampled: 11/04/11 11:10**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 18:03	EPA 8015B	
Surrogate: o-Terphenyl		*84.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.8 %*	*60-175*		"	"	"	"	
C-B03-2-11042011 (1111100-02) Liquid	**Sampled: 11/04/11 11:14**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 18:15	EPA 8015B	
Surrogate: o-Terphenyl		*90.0 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.0 %*	*60-175*		"	"	"	"	
C-B05-3-11042011 (1111100-03) Liquid	**Sampled: 11/04/11 12:10**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 18:26	EPA 8015B	
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.11**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.4 %*	*60-175*		"	"	"	"	
C-B05-4-11042011 (1111100-04) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 18:37	EPA 8015B	
Surrogate: o-Terphenyl		*94.0 %*	*60-175*		"	"	"	"	
Jet-A	**0.13**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*94.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.32**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*94.0 %*	*60-175*		"	"	"	"	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-11042011 (1111100-05) Liquid	**Sampled: 11/04/11 09:35**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 18:49	EPA 8015B	
Surrogate: o-Terphenyl		*96.8 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*96.8 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*96.8 %*	*60-175*		"	"	"	"	
C-B07-6-11042011 (1111100-06) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 19:00	EPA 8015B	
Surrogate: o-Terphenyl		*86.6 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.6 %*	*60-175*		"	"	"	"	
C-B07-7-11042011 (1111100-07) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 19:12	EPA 8015B	
Surrogate: o-Terphenyl		*89.5 %*	*60-175*		"	"	"	"	
Jet-A	**0.21**	0.050	"	"	"	"	"	"	D-49
Surrogate: o-Terphenyl		*89.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.35**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*89.5 %*	*60-175*		"	"	"	"	
C-B08-8-11042011 (1111100-08) Liquid	**Sampled: 11/04/11 09:10**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 19:23	EPA 8015B	
Surrogate: o-Terphenyl		*75.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*75.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*75.2 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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-11042011 (1111100-09) Liquid	**Sampled: 11/04/11 08:55**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 19:34	EPA 8015B	
Surrogate: o-Terphenyl		*81.7 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*81.7 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*81.7 %*	*60-175*		"	"	"	"	
C-B12-9A-11042011 (1111100-10) Liquid	**Sampled: 11/04/11 09:30**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 19:46	EPA 8015B	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*79.2 %*	*60-175*		"	"	"	"	
C-B07-6-11042011-DUP (1111100-13) Liquid	**Sampled: 11/04/11 11:30**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 19:57	EPA 8015B	
Surrogate: o-Terphenyl		*84.1 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.1 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*84.1 %*	*60-175*		"	"	"	"	
C-B05-4-11042011-BL (1111100-14) Liquid	**Sampled: 11/04/11 10:48**		**Received: 11/05/11 11:15**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B1K0914	11/09/11	11/11/11 20:08	EPA 8015B	
Surrogate: o-Terphenyl		*91.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*91.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*91.2 %*	*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.

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-3-11042011 (1111100-03) Liquid	**Sampled: 11/04/11 12:10**		**Received: 11/05/11 11:15**						
PCB-1016	ND	0.50	µg/L	1	B1K1005	11/08/11	11/10/11 15:18	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		*57.2 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*77.6 %*		*42-147*	"	"	"	"	

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

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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 B1K0804 - EPA 200 Series										
Blank (B1K0804-BLK1)				Prepared: 11/08/11 Analyzed: 11/15/11						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	4.0	"							
Blank (B1K0804-BLK2)				Prepared: 11/08/11 Analyzed: 11/15/11						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	4.0	"							
LCS (B1K0804-BS1)				Prepared: 11/08/11 Analyzed: 11/15/11						
Aluminum	95.4	50	µg/L	100		95.4	85-115			
Copper	97.9	2.0	"	100		97.9	85-115			
Iron	0.914	0.050	mg/L	1.00		91.4	85-115			
Lead	103	2.0	µg/L	100		103	85-115			
Zinc	106	4.0	"	100		106	85-115			
LCS (B1K0804-BS2)				Prepared: 11/08/11 Analyzed: 11/15/11						
Aluminum	95.3	50	µg/L	100		95.3	85-115			
Copper	97.4	2.0	"	100		97.4	85-115			
Iron	0.874	0.050	mg/L	1.00		87.4	85-115			
Lead	104	2.0	µg/L	100		104	85-115			
Zinc	105	4.0	"	100		105	85-115			
Matrix Spike (B1K0804-MS1)	**Source: 1111100-01**			Prepared: 11/08/11 Analyzed: 11/15/11						
Aluminum	241	50	µg/L	100	130	111	70-130			
Copper	110	2.0	"	100	17	93.0	70-130			
Iron	0.972	0.050	mg/L	1.00	0.10	87.2	70-130			
Lead	101	2.0	µg/L	100	1.5	99.5	70-130			
Zinc	384	4.0	"	100	290	94.0	70-130			

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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 B1K0804 - EPA 200 Series										
Matrix Spike (B1K0804-MS2)	**Source: 1111100-11**			Prepared: 11/08/11		Analyzed: 11/15/11				
Aluminum	224	50	µg/L	100	130	94.0	70-130			
Copper	110	2.0	"	100	20	90.0	70-130			
Iron	1.02	0.050	mg/L	1.00	0.12	90.0	70-130			
Lead	103	2.0	µg/L	100	0.82	102	70-130			
Zinc	146	4.0	"	100	50	96.0	70-130			
Matrix Spike Dup (B1K0804-MSD1)	**Source: 1111100-01**			Prepared: 11/08/11		Analyzed: 11/15/11				
Aluminum	259	50	µg/L	100	130	129	70-130	7.20	30	
Copper	113	2.0	"	100	17	96.0	70-130	2.69	30	
Iron	0.998	0.050	mg/L	1.00	0.10	89.8	70-130	2.64	30	
Lead	103	2.0	µg/L	100	1.5	102	70-130	1.96	30	
Zinc	404	4.0	"	100	290	114	70-130	5.08	30	
Matrix Spike Dup (B1K0804-MSD2)	**Source: 1111100-11**			Prepared: 11/08/11		Analyzed: 11/15/11				
Aluminum	224	50	µg/L	100	130	94.0	70-130	0.00	30	
Copper	109	2.0	"	100	20	89.0	70-130	0.913	30	
Iron	0.986	0.050	mg/L	1.00	0.12	86.6	70-130	3.39	30	
Lead	102	2.0	µg/L	100	0.82	101	70-130	0.976	30	
Zinc	147	4.0	"	100	50	97.0	70-130	0.683	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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 B1K0803 - EPA 200 Series										
Blank (B1K0803-BLK1)				Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	ND	2.0	µg/L							
Zinc	ND	3.0	"							
Blank (B1K0803-BLK2)				Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	ND	2.0	µg/L							
Zinc	ND	3.0	"							
LCS (B1K0803-BS1)				Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	100	2.0	µg/L	100		100	85-115			
Zinc	110	3.0	"	100		110	85-115			
LCS (B1K0803-BS2)				Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	96.5	2.0	µg/L	100		96.5	85-115			
Zinc	97.7	3.0	"	100		97.7	85-115			
Matrix Spike (B1K0803-MS1)	**Source: 1111100-01**			Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	109	2.0	µg/L	100	14	95.0	70-130			
Zinc	320	3.0	"	100	250	70.0	70-130			
Matrix Spike (B1K0803-MS2)	**Source: 1111100-11**			Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	106	2.0	µg/L	100	9.2	96.8	70-130			
Zinc	122	3.0	"	100	25	97.0	70-130			
Matrix Spike Dup (B1K0803-MSD1)	**Source: 1111100-01**			Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	112	2.0	µg/L	100	14	98.0	70-130	2.71	30	
Zinc	338	3.0	"	100	250	88.0	70-130	5.47	30	
Matrix Spike Dup (B1K0803-MSD2)	**Source: 1111100-11**			Prepared: 11/08/11 Analyzed: 11/15/11						
Copper	107	2.0	µg/L	100	9.2	97.8	70-130	0.939	30	
Zinc	122	3.0	"	100	25	97.0	70-130	0.00	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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 B1K0914 - EPA 3510C Sep Funnel										
Blank (B1K0914-BLK1)				Prepared: 11/07/11 Analyzed: 11/09/11						
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	*0.0841*		"	*0.100*		*84.1*	*60-175*			
Surrogate: o-Terphenyl	*0.0841*		"	*0.100*		*84.1*	*60-175*			
Surrogate: o-Terphenyl	*0.0841*		"	*0.100*		*84.1*	*60-175*			
LCS (B1K0914-BS1)				Prepared: 11/07/11 Analyzed: 11/09/11						
Diesel Range Organics (C10-C24)	0.493	0.050	mg/L	0.500		98.6	80-120			
Diesel Range Organics (C10-C24)	0.493	0.050	"	0.500		98.6	80-120			
Diesel Range Organics (C10-C24)	0.493	0.050	"	0.500		98.6	80-120			
LCS (B1K0914-BS2)				Prepared: 11/07/11 Analyzed: 11/09/11						
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 (B1K0914-BSD1)				Prepared: 11/07/11 Analyzed: 11/09/11						
Diesel Range Organics (C10-C24)	0.469	0.050	mg/L	0.500		93.8	80-120	4.99	30	
Diesel Range Organics (C10-C24)	0.469	0.050	"	0.500		93.8	80-120	4.99	30	
Diesel Range Organics (C10-C24)	0.469	0.050	"	0.500		93.8	80-120	4.99	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

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 B1K1005 - EPA 3510C Sep Funnel										
Blank (B1K1005-BLK1)				Prepared: 11/08/11 Analyzed: 11/10/11						
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	*0.151*		"	*0.250*		*60.4*	*42-147*			
Surrogate: Tetrachloro-meta-xylene	*0.152*		"	*0.250*		*60.8*	*42-147*			
LCS (B1K1005-BS1)				Prepared: 11/08/11 Analyzed: 11/10/11						
PCB-1260	2.15	0.50	µg/L	2.00		108	80-120			
LCS (B1K1005-BS2)				Prepared: 11/08/11 Analyzed: 11/11/11						
PCB-1260	2.01	0.50	µg/L	2.00		100	80-120			
LCS Dup (B1K1005-BSD1)				Prepared: 11/08/11 Analyzed: 11/11/11						
PCB-1260	2.25	0.50	µg/L	2.00		112	80-120	4.55	30	

SIERRA ANALYTICAL

AMEC	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	11/22/11 11:13

Notes and Definitions

D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
D-49	Sample appears to be a mixture of fuel hydrocarbons. Total Petroleum Hydrocarbons quantified using a Jet-A standard for calibration.
H-01	Sample received without sufficient time to complete analysis within recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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

PTS
Laboratories, Inc.

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

November 17, 2011

Shelly Brady
Sierra Analytical Labs, Inc.
26052 Merit Circle, Suite 105
Laguna Hills, CA 92653

Re: PTS File No: 41839
Fluid Properties Data
1111100

Dear Ms. Brady:

Please find enclosed report for Fluid Properties analyses conducted upon the sample received from your 1111100 project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The sample is currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the sample will be disposed of at that time. You may contact me regarding storage, disposal, or return of the sample.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please give Rachel Spitz a call at (562) 347-2504.

Sincerely,
PTS Laboratories

For Rachel

Michael Mark Brady, P.G.
District Manager

Encl.

PTS Laboratories

Project Name: N/A
Project Number: 1111100

PTS File No: 41839
Client: Sierra Analytical Labs, Inc.

TEST PROGRAM - 20111110

FLUID ID	Date	Time	Fluid Type / Matrix	Particle Size: Microsize				Notes
Method:				ASTM D4464				
Date Received: 20111110								
1111100-12	20111104	0945	Aqueous	X				
TOTALS:				1				1

Laboratory Test Program Notes
Standard TAT for microsize analysis is 5-10 business days.

PTS Laboratories, Inc.

Sierra Analytical Labs, Inc.
PTS File No: 41839

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 1111100

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%
1111100-12	Aqueous	22.145	441.057	249.749	145.536	66.249	28.862	22.145	17.526	11.793	8.479	6.052	3.529

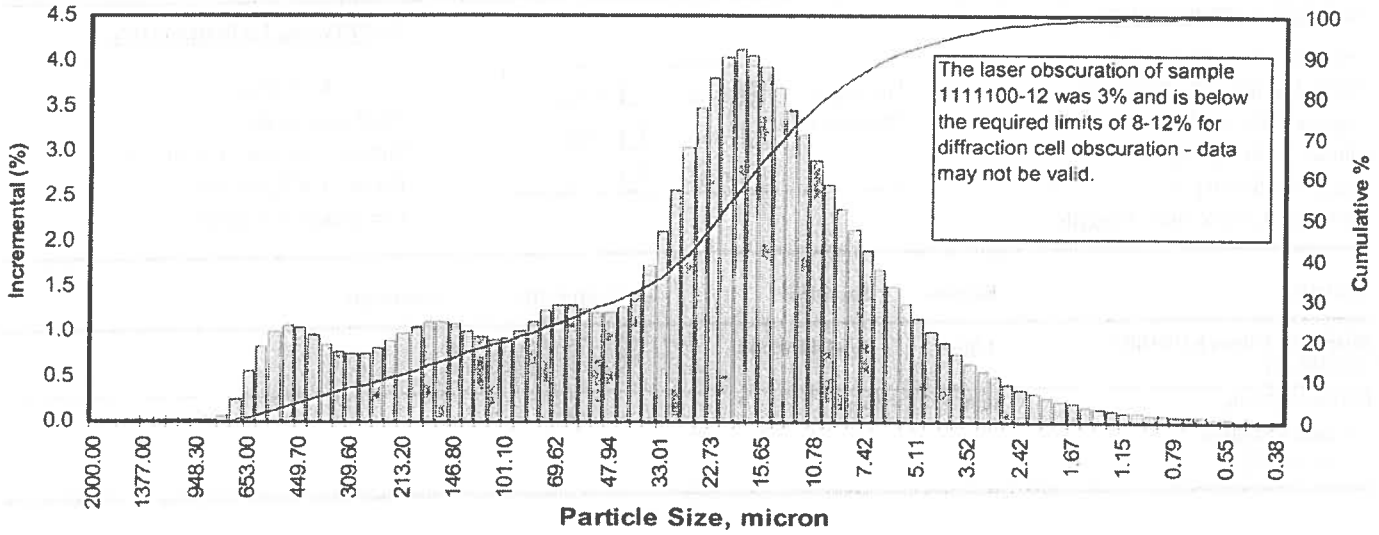
* The laser obscuration of sample 1111100-12 was 3%. The sample was below the required limits of 8-12% for diffraction cell obscuration - data may not be valid.

(1) Based on Trask Median

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	41839
Project:	N/A	**Sample ID:**	1111100-12
Project No:	1111100	**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	0.01	0.0
786.90	0.06	0.1
716.90	0.26	0.3
653.00	0.56	0.9
594.90	0.84	1.7
541.90	0.99	2.7
493.60	1.06	3.8
449.70	1.04	4.8
409.60	0.95	5.8
373.10	0.85	6.6
339.90	0.77	7.4
309.60	0.75	8.1
282.10	0.76	8.9
256.90	0.82	9.7
234.10	0.89	10.6
213.20	0.97	11.6
194.20	1.04	12.6
176.90	1.10	13.7
161.20	1.11	14.8
146.80	1.08	15.9
133.70	1.01	16.9
121.80	0.94	17.9
111.00	0.90	18.8
101.10	0.92	19.7
92.10	1.00	20.7
83.90	1.11	21.8
76.43	1.22	23.0
69.62	1.29	24.3
63.42	1.29	25.6
57.77	1.25	26.8

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	1.20	28.0
47.94	1.20	29.2
43.67	1.27	30.5
39.78	1.44	31.9
36.24	1.73	33.7
33.01	2.11	35.8
30.07	2.57	38.4
27.39	3.04	41.4
24.95	3.48	44.9
22.73	3.82	48.7
20.71	4.04	52.7
18.86	4.12	56.9
17.18	4.07	60.9
15.65	3.93	64.9
14.26	3.71	68.6
12.99	3.46	72.0
11.83	3.18	75.2
10.78	2.90	78.1
9.82	2.62	80.7
8.94	2.36	83.1
8.15	2.12	85.2
7.42	1.89	87.1
6.76	1.68	88.8
6.16	1.49	90.3
5.61	1.31	91.6
5.11	1.15	92.7
4.66	1.00	93.7
4.24	0.87	94.6
3.86	0.76	95.4
3.52	0.65	96.0
3.21	0.56	96.6
2.92	0.49	97.1
2.66	0.42	97.5
2.42	0.36	97.8
2.21	0.31	98.1
2.01	0.27	98.4
1.83	0.23	98.6
1.67	0.20	98.8
1.52	0.17	99.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.150	99.2
1.261	0.130	99.3
1.149	0.110	99.4
1.047	0.100	99.5
0.954	0.089	99.6
0.869	0.079	99.7
0.791	0.070	99.7
0.721	0.061	99.8
0.657	0.053	99.9
0.598	0.045	99.9
0.545	0.038	99.9
0.496	0.030	100.0
0.452	0.021	100.0
0.412	0.014	100.0
0.375	0.008	100.0
TOTALS:	**100.01**	**100.0**

Measure	Trask	Inman
Median, mm	0.0221	0.0221
Median, micron	22.145	22.145
Mean, mm	0.0390	0.0351
Mean, micron	39.021	35.128
Sorting	2.3701	2.051
Skewness	1.2622	-0.325
Kurtosis	0.1117	0.698

Distribution percent	Cumulative Percent greater than Particle Size	
	Micron	Millimeters
5	441.057	0.4411
10	249.749	0.2497
16	145.536	0.1455
25	66.249	0.0662
40	28.862	0.0289
50	22.145	0.0221
60	17.526	0.0175
75	11.793	0.0118
84	8.479	0.0085
90	6.052	0.0061
95	3.529	0.0035

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

SIERRA ANALYTICAL

SUBCONTRACT ORDER

41839

Sierra Analytical Labs, Inc.

Sierra Project #: 1111100

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-B06-12-11042011 (1111100-12)	Liquid	11/04/11 09:45		
Full Particle Sizing	05/02/12 09:45			

Containers Supplied:
1L Amber (C)

Special Instructions :

☑ Intact ☐ Sample Seals
☑ Properly Labeled ☐ Chilled: TEMP (°C): 6.3°F
☑ Appropriate Container ☐ Preservatives Verified By

Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time
Relinquished By	Date / Time	Received By	Date / Time

11-10-11 / 11:00 — PTS Labs Inc — 11/10/11 11:00

TRUESDAIL LABORATORIES, INC.

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(714) 730-6239 · FAX (714) 730-6462 · www.truesdail.com

REPORT

Client: **Sierra Analytical Labs, Inc.**
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: **Nick Forsyth**
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1111100
Method : **EPA 8015B**
Investigation: **Glycols**

Laboratory No: 998502
Report Date: November 16, 2011
Sampling Date: November 4, 2011
Receiving Date: November 11, 2011
Analysis Date: November 15, 2011
Units: mg/L
Dilution Factor: 2
Reported By: LES

Analytical Results

Sample ID	Sample Description	Propylene Glycol	Ethylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
709660-MB	Method Blank	ND	ND	158	78.8%
998502-1	C-B01-1A-11042011	ND	ND	166	83.2%
998502-2	C-B03-2-11042011	ND	ND	163	81.7%
998502-3	C-B05-3-11042011	ND	ND	191	95.6%
998502-4	C-B05-4-11042011	ND	ND	174	87.2%
998502-5	C-B06-5-11042011	ND	ND	173	86.5%
998502-6	C-B07-6-11042011	ND	ND	175	87.6%
998502-7	C-B07-7-11042011	ND	ND	174	86.8%
998502-8	C-B08-8-11042011	ND	ND	176	87.9%
998502-9	C-B08-10A-11042011	ND	ND	179	89.7%
998502-10	C-B12-9A-11042011	ND	ND	172	85.8%
998502-11	S-B06-12-11042011	ND	ND	183	91.6%
998502-12	C-B07-6-11042011-Dup	ND	ND	181	90.3%
Practical Quantitation Limits		5.0	5.0	Surrogate Conc. = 200	APR = 50-200%
Sample RLs		**10.0**	**10.0**		

ND: Not detected, or below limit of detection.
RL: Reporting limit, or least amount of analyte quantifiable based on average sample size used and analytical technique employed.
APR: Allowable Percent Recovery

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

TRUESDAIL LABORATORIES, INC.

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Established 1931

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REPORT

Client: **Sierra Analytical Labs, Inc.**
26052 Merit Circle, Suite #105
Laguna Hills, CA 92653

Attention: **Nick Forsyth**
Sample: Liquid / 12 Samples
Project Name: Sierra Project #1111100
Method Number: **EPA 8015B**
Investigation: **Glycols**

QA/QC Batch No: 709660
Laboratory No: 998502
Report Date: November 16, 2011
Sampling Date: November 4, 2011
Receiving Date: November 11, 2011
Analysis Date: November 15, 2011
Units: mg/L
Reported By: LES

Quality Control/Quality Assurance Calibration Check Report

MRCVS

Parameter	Spiked Concentration	Recovered Concentration	Percent Recovery	Flag	Accuracy Control Limits
Propylene Glycol	50.0	49.1	98.2%	PASS	70-130
Ethylene Glycol	50.0	35.3	70.5%	PASS	70-130

Quality Control/Quality Assurance Spikes Report

LCS/LCSD

Parameter	Spike Conc.	Recovered Concentration		Percent Recovery (%)		RPD (%)	Flag	Accuracy Control Limits	
		LCS	LCSD	LCS	LCSD			RPD	% Recovery
Propylene Glycol	50.0	58.9	54.6	118%	109%	7.61%	PASS	20	70-130
Ethylene Glycol	50.0	48.5	46.5	96.9%	93.0%	4.18%	PASS	20	70-130

MRCVS: Mid Range Calibration Verification Standard
LCS: Laboratory Control Spike
LCSD: Laboratory Control Spike Duplicate
RPD: Relative Percent Difference
Flag: "Pass" if within Control Limits; otherwise "Fail"

Rossina Tomova, Project Manager
Analytical Services, Truesdail Laboratories, Inc.

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 1 of 7

Lab Work Order No.: 111100

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra # No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Field Point Names / Comments
C-B01-1a- 11042011	01	11/4/11	11:10	STORMWATER	NONE	PLASTIC	2	X				
C-B01-1a- 11042011			11:10	STORMWATER	NONE	40ml VOA	2		X			
C-B01-1a- 11042011			11:10	STORMWATER	NONE	CLR GLASS	1			X		
C-B01-1a- 11042011			11:10	STORMWATER	NONE	AMBER GLASS	1				X	
C-B03-2- 11042011	02		11:14	STORMWATER	NONE	PLASTIC	2	X				
C-B03-2- 11042011			11:14	STORMWATER	NONE	40ml VOA	2		X			
C-B03-2- 11042011			11:14	STORMWATER	NONE	CLR GLASS	1			X		
C-B03-2- 11042011			11:14	STORMWATER	NONE	AMBER GLASS	1				X	
C-B05-3- 11042011	03		12:10	STORMWATER	NONE	PLASTIC	2	X				
C-B05-3- 11042011			12:10	STORMWATER	NONE	40ml VOA	2		X			

1 Sampler Signature: Rachel Davenport
Printed Name: Rachel Davenport
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Time: 11:15
Company: AMEC
Received By: B-Mata Date: 11/5/11 Time: 11:15
Company: SA

3 Relinquished By: B-Mata Date: 11/5/11 Time: 1345
Company: SA
Received By: Date: 11-5-11 Time: 1345
Company: Sierra

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Sierra Login #: 11/1100

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 2 of 7

Lab Work Order No.: 111100

Client:	MACTEC
Client Address:	9177 SKY PARK COURT
	SAN DIEGO, CA 92123
Client Tel. No.:	(858) 278-3600
Client Fax. No.:	(858) 278-5300
Client Proj. Mgr.:	

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	PCB	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B05-3-11042011	03	11/4/11	12:10	STORMWATER	NONE	CLR GLASS	1			X			
C-B05-3-11042011			12:10	STORMWATER	NONE	AMBER GLASS	1				X		
C-B05-3-11042011			12:10	STORMWATER	NONE	AMBER GLASS	1					X	
C-B05-4-11042011	04		10:48	STORMWATER	NONE	PLASTIC	2	X					
C-B05-4-11042011			10:48	STORMWATER	NONE	40 ml VOA	2		X				
C-B05-4-11042011			10:48	STORMWATER	NONE	CLR GLASS	1			X			
C-B05-4-11042011			10:48	STORMWATER	NONE	AMBER GLASS	1				X		
C-B06-5-11042011	05		09:35	STORMWATER	NONE	PLASTIC	2	X					
C-B06-5-11042011			09:35	STORMWATER	NONE	40 ml VOA	2		X				

1 Sampler Signature: Rachel Davenport
Printed Name: Rachel Davenport
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Time: 11:15 am
Company: AMEC
Received By: B-Matt Date: 11/5/11 Time: 11:15
Company: SA

3 Relinquished By: B-Matt Date: 11/5/11 Time: 1345
Company: SA
Received By: Date: 11-5-11 Time: 1345
Company: Sierra

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY: Sample Receipt Condition
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By:
☑ Properly Labelled ☐ Other:
☑ Appropriate Sample Container ☑ Storage Location: R604

Rev. 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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FAX: 949 • 348 • 9115
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CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 3 of 7

Lab Work Order No.: 111100

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B06-5-11042011	05	11/4/11	09:35	STORMWATER	NONE	CLR GLASS	1			X		
C-B06-5-11042011			09:35	STORMWATER	NONE	AMBER GLASS	1				X	
C-B07-6-11041	06		11:30	STORMWATER	NONE	PLASTIC	2	X				
C-B07-6-11041			11:30	STORMWATER	NONE	40ml VOA	2		X			
C-B07-6-11041			11:30	STORMWATER	NONE	CLR GLASS	1			X		
C-B07-6-11041			11:30	STORMWATER	NONE	AMBER GLASS	1				X	
C-B07-7-11042011	07		09:10	STORMWATER	NONE	PLASTIC	2	X				
C-B07-7-11042011			09:10	STORMWATER	NONE	40ml VOA	2		X			
C-B07-7-11042011			09:10	STORMWATER	NONE	CLR GLASS	1			X		
C-B07-7-11042011			09:10	STORMWATER	NONE	AMBER GLASS	1				X	

1 Sampler Signature: Rachel Davenport
Printed Name: Rachel Davenport
Shipped Via: (Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Time: 11:15am
Company: AMEC
Received By: B-Mott Date: 11/5/11 Time: 11:15
Company: SA

3 Relinquished By: B-Mott Date: 11/5/11 Time: 1345
Company: SA
Received By: Date: Time:
Company:

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. * - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☐ Intact ☐ Chilled - Temp (°C) ____
☐ Sample Seals ☐ Preservatives - Verified By ____
☐ Properly Labelled ☐ Other ____
☐ Appropriate Sample Containers ☐ Storage Location ____

Rev: 021104

DISTRIBUTION: White - To accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 4 of 7

Lab Work Order No.: 111100

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)
C-B08-8-11041	08	11/4/11	9:10	STORMWATER	NONE	PLASTIC	2	X			
C-B08-8-11041				STORMWATER	NONE	40ml VOA	2		X		
C-B08-8-11041				STORMWATER	NONE	CLR GLASS	1			X	
C-B08-8-11041				STORMWATER	NONE	AMBER GLASS	1				X
C-B08-10a-11041	09		8:55	STORMWATER	NONE	PLASTIC	2	X			
C-B08-10a-11041				STORMWATER	NONE	40ml VOA	2		X		
C-B08-10a-11041				STORMWATER	NONE	CLR GLASS	1			X	
C-B08-10a-11041				STORMWATER	NONE	AMBER GLASS	1				X
C-B12-9a-11041	10		9:30	STORMWATER	NONE	PLASTIC	2	X			
C-B12-9a-11041			9:30	STORMWATER	NONE	40ml VOA	2		X		

Geotracker EDD Info:
Client LOGCODE
Site Global ID
Field Point Names / Comments

[redacted]

1 Sampler Signature: Rachel Davenport
Printed Name: Rachel Davenport
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Time: 11:15
Company: AMEC
Received By: B-Mott Date: 11/5/11 Time: 11:15
Company: SA

3 Relinquished By: B-Mott Date: 11/5/11 Time: 1345
Company: SA
Received By: Date: Time:
Company:

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Condition:
☑ Intact ☑ Chilled - Temp (°C): 4.0°
☐ Sample Seals ☐ Preservatives Verified By:
☑ Properly Labelled ☐ Other:
☑ Appropriate Sample Containers ☑ Storage Location: W204

Rev: 07/104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 5 of 7

Lab Work Order No.: 111100

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Particle size distribution	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	Field Point Names / Comments
C-B12-9a-110411	10	11/4/11	9:30	STORMWATER	NONE	CLR GLASS	1		X				[redacted]
C-B12-9a-110411	↓	11/4/11	9:30	STORMWATER	NONE	AMBER GLASS	1			X			
S-B06-12-110411	11	11/5/11	2:51	STORMWATER	NONE	5 GALL GLASS	2					X	[redacted]
S-B06-12-110411	12	11/4/11	9:45	STORMWATER	NONE	40ml VOA	2	X					[redacted]
S-B06-12-110411	↓	11/4/11	9:45	STORMWATER	NONE	AMBER GLASS	1				X		
				STORMWATER	NONE	5 GALL GLASS							
				STORMWATER	NONE	40ml VOA							
				STORMWATER	NONE	AMBER GLASS							
				STORMWATER	NONE	5 GALL GLASS							
				STORMWATER	NONE	40ml VOA							

1 Sampler Signature: R Davenport
Printed Name: Rachel Davenport
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Received By: B-Matt Date: 11/5/11
Company: AMEC Time: 11:15 Company: SA Time: 11:15

3 Relinquished By: B-Matt Date: 11/5/11 Received By: [signature] Date: 11-5-11
Company: SA Time: 1345 Company: Sierra Time: 1345

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY Sample Receipt Conditions:
☑ Intact ☑ Chilled, Temp (°C): 4.0
☐ Sample Seals ☐ Preservatives Verified By
☑ Properly Labeled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location: (R104 - B15 - Trousseau)

Rev: 021104

DISTRIBUTION: White - To accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 6 of 7

Lab Work Order No.: 111100

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC), ammonia, MBAS tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn), BOD, COD.	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	Field Point Names / Comments
C-B07-6-110411 -DUP	13	11/4/11	11:30	STORMWATER	NONE	PLASTIC	2	X				
C-B07-6-110411 -DUP	↓	11/4/11	11:30	STORMWATER	NONE	40ml VOA	2		X			
C-B07-6-110411 -DUP	↓	11/4/11	11:30	STORMWATER	NONE	CLR GLASS	1			X		
C-B07-6-110411 -DUP	↓	11/4/11	11:30	STORMWATER	NONE	AMBER GLASS	1				X	

1 Sampler Signature: R Davenport
Printed Name: Rachel Davenport
Shipped Via: (Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Received By: B. Matt Date: 11/5/11
Company: AMEC Time: 11:15am Company: SA Time: 11:15

3 Relinquished By: B-Matt Date: 11/5/11 Received By: [signature] Date: 11-5-11
Company: SA Time: 1345 Company: Sierra Time: 1345

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal: ☐ Return to Client ☐ Lab Disposal * ☐ Archive ____ mos. ☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labeled ☐ Other
☒ Appropriate Sample Containers ☒ Storage Location [illegible]

Rev: 021104

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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FAX: 949 • 348 • 9115
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CHAIN OF CUSTODY RECORD

Date: 11/04/11 Page: 7 of 7

Lab Work Order No.: 1111OD

Client: MACTEC
Client Address: 9177 SKY PARK COURT
SAN DIEGO, CA 92123
Client Tel. No.: (858) 278-3600
Client Fax. No.: (858) 278-5300
Client Proj. Mgr.:

Client Project ID: SAN DIEGO AIRPORT

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, oil & grease	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), BOD, COD, oil & grease	Geotracker EDD Info: / Client LOGCODE / Site Global ID / Field Point Names / Comments
C-B05-4-1104[redacted]11-BL	14	11/04/11	10:48	STORMWATER	NONE	PLASTIC	2	X					
C-B05-4-1104[redacted]11-BL	↓	11/04/11	10:48	STORMWATER	NONE	CLR GLASS	1		X				
C-B05-4-1104[redacted]11-BL	↓	11/04/11	10:48	STORMWATER	NONE	AMBER GLASS	1			X			
~~S-B05-12~~	~~DUP~~			~~STORMWATER~~	~~NONE~~	~~5 CLR GLASS~~	~~1~~				~~X~~		
~~B-B05-12C~~	~~DUP~~			~~STORMWATER~~	~~NONE~~	~~2 CLR GLASS~~	~~1~~					~~X~~	

1 Sampler Signature: Rachel Davenport
Printed Name: Rachel Davenport
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Rachel Davenport Date: 11/5/11 Time: 11:15 Company: AMEC
Received By: B-Mott Date: 11/5/11 Time: 11:15 Company: SA

3 Relinquished By: B-Mott Date: 11/5/11 Time: 1345 Company: SA
Received By: Date: 11-5-11 Time: 1345 Company: Sierra

4 Relinquished By: Date: Time: Company:
Received By: Date: Time: Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C): 5.0
☐ Sample Seals ☐ Preservatives - Verified By:
☒ Properly Labeled ☐ Other:
☒ Appropriate Sample Containers ☒ Storage Location: 12-04

Rev: 9/21/04

DISTRIBUTION: White - To Accompany Samples; Yellow - Laboratory Copy; Pink - Field Personnel Copy