State of California
STATE WATER RESOURCES CONTROL BOARD

2006-2007

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2006 through June 30, 2007

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: 937I018035

Facility Business Name: SAN DIEGO INTERNATIONAL AIRPORT
Physical Address: 3225 NORTH HARBOR DRIVE
City: SAN DIEGO State: CA Zip: 92101

Contact Person: RICHARD GILB
e-mail: rgilb@san.org
Phone: (619) 400-2790

Standard Industrial Classification (SIC) Code(s): **4512 Transportation, Scheduled**
4513 Air Courier Services
3721 Aircraft

B. Facility Operator Information:

Operator Name: SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY
Mailing Address: P.O. BOX 82776
City: SAN DIEGO State: CA Zip: 92138-2776

Contact Person: RICHARD GILB
e-mail: rgilb@san.org
Phone: (619) 400-2790

C. Facility Billing Information:

Operator Name: SAN DIEGO COUNTY REGI0NAL AIRPORT AUTHORITY
Mailing Address: P.O. BOX 82776
City: SAN DIEGO State: CA Zip: 92138-2776

Contact Person: RICHARD GILB
e-mail: rgilb@san.org
Phone: (619) 400-2790

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? 10

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 11/03/2005

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.

2006-2007
ANNUAL REPORT

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: June 27, 2007

Title: Director, Environmental Affairs Department

SAN DIEGO COUNTY
REGIONAL AIRPORT AUTHORITY

INTER-OFFICE COMMUNICATION

Date: June 27, 2003

To: Thella F. Bowens
President/CEO

From: Ted Sexton
Vice President, Operations

Subject: Authorization to Sign National Pollutant Discharge Elimination System (NPDES) Documents

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NPDES Permits (including General NPDES Permits) require submission of various reports and certifications, which must be prepared and signed by a principal executive office or duly authorized representative. A person is a duly authorized representative if: (1) the authorization is made in writing by the executive officer and (2) a copy of the authorization is retained as part of the permit records for each facility. The authorized representative must be the individual or position having overall responsibility for environmental matters.

This is to request your approval, evidenced by your signature below, authorizing the Director of Environmental Affairs for the Authority to serve as the duly authorized representative for purposed of executing all documents related to the NPDES Permit requirements.

Thella F. Bowens
President/CEO
San Diego County Regional Airport Authority

30 June '03
Date

Cc: Paul Manasjan, Director, Environmental Affairs
Zane Gresham, Morris & Foerster

SAN DIEGO
INTERNATIONAL
AIRPORT

ATTACHMENT 1

2006 – 2007
ANNUAL REPORT
SAN DIEGO INTERNATIONAL AIRPORT (SDIA)
ATTACHMENT #1
REQUIRED EXPLANATIONS AND DISCUSSION OF ANALYTICAL DATA

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

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

E.5
Using a site evaluation completed in August of 2003, the airport had previously been divided into 6 general discharge areas based on similar land use and/or operations. At that time, the storm water monitoring program included six sample sites. 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 replaces many of the previous sample sites and also added additional sampling locations. The new sampling plan identifies pollutants of concern and provides statistical power to future analysis of pollutant loads. The new sampling plan was finalized in November 2005, and was implemented for the first time in the 2005-2006 wet season. During this monitoring year, a few of the sampling locations were re-evaluated and relocated to provide better representations of the drainage basins. The new 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 ten area sample identifiers and a brief description of each location are:

Site ID	Location Description
C-B01-1	Grated inlet inside of zipper line, south of FBO, north of runway
C-B03-2	Grated inlet inside of zipper line, south of runway, near B1-D sign
C-B05-3	Grated inlet within the rental car holding lot
C-B05-4	Grated inlet, south of runway, north of generator yard
C-B06-5	Grated inlet southeast of control tower
C-B07-6	Inlet pipe in manhole west of oil-water separator in cargo area
C-B07-7	Grated inlet south of cargo area, west of West Wing
C-B08-8	Grated inlet northwest of Terminal 1 East, across from Gate 8
C-B12-9	Grated inlet in West RON
C-B09-10	Manhole near Terminal 2 Parking Entrance, on the north side of the entrance road

E.6
As noted in previous Annual Reports, program experience has led to the practical determination that sample collection can only be accomplished during storm events with a rainfall intensity of at least 0.10 inches per hour over at least a two-hour period. With ten sample sites identified for the monitoring program, practice has shown that more than one hour of time elapses between the initiation of sampling and the collection of the tenth sample. Such was the case again this year, and therefore, not all samples were collected during the first hour of discharge.

G.1
During the months of October 2006 and May 2007, 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) 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. Only pollutants that had results that went above their benchmarks are discussed below. Based on this information, the Airport Authority continues to evaluate the effectiveness of the BMPs being implemented at the airport.

BASIC PARAMETERS

Basic parameters include pH, total suspended solids (TSS), specific conductance (SC), and oil and grease (O&G). Ten samples had pH levels below the lower benchmark value of 6.0 pH units. Seven samples had TSS levels above the benchmark of 100 mg/L.

METALS

The samples were analyzed for total aluminum, total and dissolved copper, total iron, total lead, and total and dissolved zinc. Twelve samples had total aluminum concentrations above the benchmark of 0.750 mg/L. Samples above the benchmark ranged from 0.950 – 8.7 mg/L. Fifteen samples had total copper concentrations above the benchmark of 0.0636 mg/L. Samples above the benchmark ranged from 0.100 – 2.7 mg/L. Twelve samples had dissolved copper concentrations above the benchmark level of 0.0636 mg/L. Samples above the benchmark ranged from 0.082 – 2.4 mg/L. Thirteen samples had total iron concentrations at or above the benchmark of 1.0 mg/L. Samples above the benchmark ranged from 1.0 – 3.00 mg/L. Two samples had total lead concentrations above the benchmark of 0.0816 mg/L. They had concentrations of 0.093 mg/L and 0.110 mg/L. Eighteen samples had total zinc concentrations above the benchmark level of 0.117 mg/L. Samples above the benchmark ranged from 0.120 – 2.4 mg/L. Eleven samples had dissolved zinc concentrations above the benchmark level of 0.117 mg/L. Samples above the benchmark ranged from 0.130 – 2.4 mg/L.

OTHER PARAMETERS

Other parameters analyzed were methylene blue active substances (MBAS), diesel range organics (C10-C24), Jet-A, oil range organics (C10-C36), biological oxygen demand (BOD), chemical oxygen demand (COD), ammonia as N, and glycols.

BOD exceeded the benchmark level of 30 mg/L in 16 of the samples. Samples above the benchmark ranged from 32.0 – 370 mg/L.

COD was at or above the benchmark level of 120 mg/L in 14 of the samples. Samples at or above the benchmark ranged from 120 – 1,160 mg/L.

3) Summary of Analytical Results

A total of 380 analyses were performed on the 20 samples taken during the 2006-2007 reporting period. Of these 380 analyses, a total of 130 samples had USEPA Multi-Sector Permit benchmark exceedances. The pollutants with USEPA Mulit-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 were exceeded more than 50% of the time were BOD, COD, total aluminum, total and dissolved copper, total iron, and total and dissolved zinc. Historically these pollutants have exceeded benchmark levels in previous monitoring reports and are consistent with the normal activities associated with day to day activities at an airport.

Pollutant	USEPA Multi Sector Permit Benchmark	Number of Analyses	Number of Exceedances	Exceedance Frequency
Ammonia as N	19 mg/L	20	0	0%
BOD	30 mg/L	20	16	80%
COD	120 mg/L	20	14	70%
Oil & Grease	15 mg/L	20	0	0%
pH	6.0 – 9.0 s.u.	20	10	50%
TSS	100 mg/L	20	7	35%
Al, Total	0.750 mg/L	20	12	60%
Cu, Total	0.0636 mg/L	20	15	75%
Cu, Dissolved	0.0636 mg/L	20	12	60%
Fe, Total	1 mg/L	20	13	65%
Pb, Total	0.0816 mg/L	20	2	10%
Zn, Total	0.117 mg/L	20	18	90%
Zn, Dissolved	0.177 mg/L	20	11	55%

At nearly equal proportions, Sites C-B01-1, C-B03-2, C-B05-4, C-B06-5, C-B07-6, and C-B07-7 accounted for over 70% of the exceedances during the two sampling events. These areas 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.

The analytical results for stormwater samples collected during the 2006-2007 reporting period are consistent with historic sampling data at the airport. Total copper, dissolved copper, total lead, and total 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 may be a likely source of heavy metals. In response, the Airport Authority has continued to revise and develop their stormwater sampling plan to identify the sources of these heavy metals. The Airport Authority is simultaneously evaluating the BMPs currently in place to control and eliminate heavy metal concentrations in stormwater runoff at the airport. Along with evaluating its sampling plan and BMPs, the Airport Authority is also in the process of performing a site audit of all its tenants and their respective activities. The site audit will serve as a means to aid in the identification of potential pollutant sources and evaluate the current BMPs implemented by the tenants. These efforts are intended to outline new, additional, or modified BMPs that

can be implemented to control or eliminate these contaminants and to provide storm water BMP education for tenants who perform these activities.

The Airport Authority made slight modifications to the sampling plan implemented during the previous reporting period. During 2006-2007 year, the plan was re-evaluated and sampling locations were added to better represent the industrial activities at the airport and to better assess BMP effectiveness. 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 BMPs and the runoff monitoring program.

ATTACHMENT 2

Legend

- Storm Drain Lines
- Sampling Locations
- Airport Boundary

Storm Drain System and Sampling Locations

San Diego International Airport

FORMS

2006 - 2007
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: Richard Gilb TITLE: Manager, Environmental Affairs SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B01-1	10/14/2006 05:35	02:20	5.00	264	818	4.20	0.300	<1.0	<1.0	6.4	2.5	2400
C-B03-2	10/14/2006 05:15	02:20	5.10	148	655	3.80	0.330	5.3	<1.0	2.4	0.57	1100
C-B05-3	10/14/2006 03:25	02:20	7.20	23.0	108	6.10	<0.0500	<1.0	<1.0	0.80	4.4	74
C-B05-4	10/14/2006 05:50	02:20	5.30	430	822	6.80	0.360	<1.0	<1.0	6.0	3.1	6500
C-B06-5	10/14/2006 05:40	02:20	4.90	150	211	4.00	0.220	<1.0	<1.0	1.1	1.7	310
C-B07-6	10/14/2006 02:35	02:20	6.20	120	212	3.70	<0.0500	<1.0	<1.0	6.1	0.93	1100
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	1.00	0.0500	1.0	1.0	1.0	0.050	2.0
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 413.1	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

2006 - 2007
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: Richard Gilb TITLE: Manager, Environmental Affairs SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B07-7	10/14/2006 06:15	02:20	5.70	264	399	5.80	0.130	3.6	<1.0	2.3	1.0	850
C-B08-8	10/14/2006 12:25	02:20	7.30	45.0	378	3.60	0.170	2.6	<1.0	1.7	0.45	240
C-B12-9	10/14/2006 03:00	02:20	6.40	91.0	8660	<1.00	0.130	<1.0	<1.0	2.3	0.29	140
C-B09-10	10/14/2006 03:15	02:20	6.80	41.0	96.6	5.20	<0.0500	<1.0	<1.0	1.3	8.6	240
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	1.00	0.0500	1.0	1.0	1.0	0.050	2.0
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 413.1	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

2006 - 2007
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)

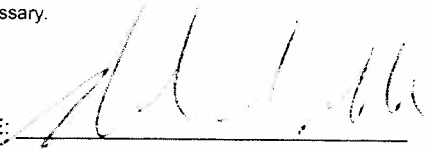
· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· 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: Richard Gilb

TITLE: Manager, Environmental Affairs

SIGNATURE: 

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B01-1	10/14/2006 05:35	02:20	2400	56	3000	2500	2400	280	719	0.980	<50
C-B03-2	10/14/2006 05:15	02:20	1100	110	560	1900	1700	162	318	0.490	<50
C-B05-3	10/14/2006 03:25	02:20	11	38	4800	21	12	27.0	50.0	0.150	<50
C-B05-4	10/14/2006 05:50	02:20	5800	55	2600	2700	2500	370	1160	1.25	<50
C-B06-5	10/14/2006 05:40	02:20	250	26	1400	430	380	120	279	<0.100	<50
C-B07-6	10/14/2006 02:35	02:20	840	25	340	220	98	132	290	0.220	<50
	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:		4.0	4.0	100	4.0	4.0	2.0	0.100	0.100	50
	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

2006 - 2007
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: Richard Gilb

TITLE: Manager, Environmental Affairs

SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B07-7	10/14/2006 06:15	02:20	690	42	480	220	180	218	506	0.290	<50
C-B08-8	10/14/2006 12:25	02:20	190	24	230	330	120	41.0	120	0.100	<50
C-B12-9	10/14/2006 03:00	02:20	59	93	<50	50	22	108	218	<0.100	<50
C-B09-10	10/14/2006 03:15	02:20	16	66	8700	38	12	27.0	60.0	0.120	<50
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:			4.0	4.0	100	4.0	4.0	2.0	0.100	0.100	50
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

2006 - 2007
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: Richard Gilb TITLE: Manager, Environmental Affairs SIGNATURE: _____

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B01-1	12/17/2006 11:20	18:00 (12/16)	5.40	23.0	184	2.20	0.180	0.85	<0.050	0.89	1.9	250
C-B03-2	12/17/2006 11:35	18:00 (12/16)	5.60	25.0	117	2.50	0.200	0.47	<0.050	0.61	2.1	220
C-B05-3	12/16/2006 20:45	18:00 (12/16)	7.00	30.0	101	2.00	0.120	<0.050	<0.050	0.67	2.0	140
C-B05-4	12/16/2006 20:25	18:00 (12/16)	5.60	54.0	69.3	4.60	0.160	<0.050	<0.050	1.7	1.3	74
C-B06-5	12/17/2006 12:10	18:00 (12/16)	5.30	58.0	247	5.10	0.220	0.97	<0.050	1.1	1.8	220
C-B07-6	12/16/2006 20:15	18:00 (12/16)	6.40	32.0	119	3.80	0.110	2.7	<0.050	2.1	1.8	830
	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	1.00	0.0500	0.050	0.050	0.050	0.040	2.0
	TEST METHOD USED:		EPA 150.1	EPA 160.2	EPA 120.1	EPA 413.1	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

2006 - 2007
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)

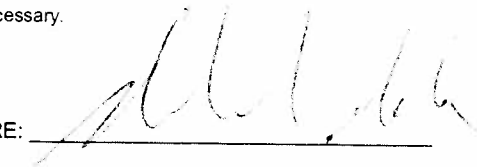
· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· 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: Richard Gilb

TITLE: Manager, Environmental Affairs

SIGNATURE: 

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Basic Parameters				Other Parameters					
			pH	TSS	SC	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
C-B07-7	12/17/2006 12:30	18:00 (12/16)	5.90	46.0	272	2.30	0.170	2.1	<0.050	1.6	3.00	760
C-B08-8	12/17/2006 08:36	18:00 (12/16)	7.20	12.0	182	<1.00	0.0900	1.2	<0.050	0.73	<0.040	120
C-B12-9	12/16/2006 19:50	18:00 (12/16)	6.70	114	10400	1.40	0.100	3.8	<0.050	2.7	0.26	160
C-B09-10	12/16/2007 19:15	18:00 (12/16)	7.00	27.0	364	2.00	<0.0500	1.8	<0.050	2.1	1.3	240
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	1.00	0.0500	0.050	0.050	0.050	0.040	2.0
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 413.1	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

2006 - 2007
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: Richard Gilb TITLE: Manager, Environmental Affairs SIGNATURE: _____

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B01-1	12/17/2006 11:20	18:00 (12/16)	200	12	1500	200	140	43.0	129	0.830	<10.0
C-B03-2	12/17/2006 11:35	18:00 (12/16)	130	20	1500	310	160	32.0	87.0	0.370	<10.0
C-B05-3	12/16/2006 20:45	18:00 (12/16)	7.3	16	2000	19	4.3	25.8	47.0	0.180	<10.0
C-B05-4	12/16/2006 20:25	18:00 (12/16)	43	4.7	990	150	100	71.0	163	0.960	<10.0
C-B06-5	12/17/2006 12:10	18:00 (12/16)	170	7.3	1500	300	240	66.0	120	<0.100	<10.0
C-B07-6	12/16/2006 20:15	18:00 (12/16)	500	5.1	110	100	45	47.0	121	0.240	<10.0
	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	2.0	50	2.0	2.0	2.0	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

2006 - 2007
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)

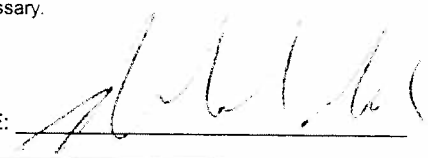
· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

· 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: Richard Gilb

TITLE: Manager, Environmental Affairs

SIGNATURE: 

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event								
			Other Parameters								
			DISSOLVED ZINC Zn_d	TOTAL LEAD Pb_t	TOTAL ALUMINUM Al_t	TOTAL COPPER Cu_t	DISSOLVED COPPER Cu_d	BOD	COD	AMMONIA as N	GLYCOLS
C-B07-7	12/17/2006 12:30	18:00 (12/16)	23	23	2000	210	55	65.0	182	0.260	<10.0
C-B08-8	12/17/2006 08:36	18:00 (12/16)	<2.0	<2.0	<50	74	54	18.0	47.0	0.120	<10.0
C-B12-9	12/16/2006 19:50	18:00 (12/16)	<2.0	<2.0	100	42	9.2	148	389	<0.100	<10.0
C-B09-10	12/16/2007 19:15	18:00 (12/16)	5.4	5.4	950	100	82	35.0	101	0.140	<10.0
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	2.0	50	2.0	2.0	2.0	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

2006 - 2007

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: 07 / 13 / 06	**Observers Name:** Marisa Fontanoz **Title:** Assistant Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 10 / 09 / 06	**Observers Name:** Marisa Fontanoz **Title:** Assistant 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: 02 / 05 / 07	**Observers Name:** Mayra Garcia **Title:** Staff Assistant **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 05 / 21 / 07	**Observers Name:** Marisa Fontanoz **Title:** Assistant Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ■ **NO** If **YES**, complete reverse side of this form.

2006 - 2007

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	
N/A/ / : ☐AM ☐PM					
N/A/ / : ☐AM ☐PM					
N/A / / : ☐AM ☐PM					
N/A / / : ☐AM ☐PM					
N/A / / : ☐AM ☐PM					

2006 - 2007

ANNUAL REPORT

SIDE A

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

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

QUARTER: **JULY-SEPT.** **DATE/TIME OF OBSERVATIONS** 07/13/06 8:00 ■ AM ☐ PM	**Observers Name:** Marisa Fontanoz **Title:** Assistant Environmental Specialist **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ■ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE/TIME OF OBSERVATIONS** 10/09/06 11:00 ■ AM ☐ PM	**Observers Name:** Marisa Fontanoz **Title:** Assistant Environmental Specialist **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ■ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE/TIME OF OBSERVATIONS** 02/05/07 3:00 ☐ AM ■ PM	**Observers Name:** Mayra Garcia **Title:** Staff Assistant **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ■ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE/TIME OF OBSERVATIONS** 05/21/07 7:30 ■ AM ☐ PM	**Observers Name:** Marisa Fontanoz **Title:** Assistant Environmental Specialist **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ■ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.

2006 - 2007

ANNUAL REPORT

SIDE B

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.
			AT THE UNAUTHORIZED NSWD SOURCE	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION	
N/A/ / : ☐AM ☐PM					
N/A / / : ☐AM ☐PM					
N/A / / : ☐AM ☐PM					
N/A / / : ☐AM ☐PM					

2006 – 2007
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: November 14, 2006

Observers Name: Richard Gilb

Title: Manager, Environmental Affairs

Signature:

Time Discharge Began: None – insufficient volume

Observation Time: 11:10 AM

Were Pollutants Observed: N/A
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: 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-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

Observation Date: November 27, 2006

Observers Name: Marisa Fontanoz/ Mayra Garcia

Title: Assist. Environmental Specialist/ Staff Assist.

Signatures:

Time Discharge Began: 11:35 AM

Observation Time: 12:00 PM

Were Pollutants Observed: NO
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	12:10 PM	☐ YES ■ NO
C-B03-2	12:03 PM	☐ YES ■ NO
C-B05-3	12:48 PM	☐ YES ■ NO
C-B05-4	12:01 PM	☐ YES ■ NO
C-B06-5	12:35 PM	☐ YES ■ NO
C-B07-6	2:29 PM	☐ YES ■ NO
C-B07-7	1:08 PM	☐ YES ■ NO
C-B08-8	12:18 PM	☐ YES ■ NO
C-B12-9	1:58 PM	☐ YES ■ NO
C-B09-10	1:17 PM	☐ YES ■ NO

2006 – 2007
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
NA / / ____ ☐ AM ☐ PM				
NA / / __:__ ☐ AM ☐ PM				
NA / / __:__ ☐ AM ☐ PM				
NA / / __:__ ☐ AM ☐ PM				
NA / / __:__ ☐ AM ☐ PM				
NA / / __:__ ☐ AM ☐ PM				

2006 – 2007
ANNUAL REPORT
FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

ADDITIONAL PAGES

Observation Date: December 22, 2006

Observers Name: Richard Gilb

Title: Manager, Environmental Affairs

Signature:

Time Discharge Began: None – insufficient volume

Observation Time: 7:35 AM

Were Pollutants Observed: N/A
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: 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-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

Observation Date: January 30, 2007

Observers Name: Richard Gilb

Title: Manager, Environmental Affairs

Signature:

Time Discharge Began: None – insufficient volume

Observation Time: 8:50 AM

Were Pollutants Observed: N/A
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: 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-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

2006 – 2007
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
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				

2006 – 2007
ANNUAL REPORT
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

ADDITIONAL PAGES

Observation Date: February 27, 2007

Observers Name: Mayra Garcia

Title: Staff Assistant

Signature: [signature]

Time Discharge Began: 9:30 AM

Observation Time: 9:40 AM

Were Pollutants Observed: NO
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	10:43 AM	☐ YES ■ NO
C-B03-2	10:37 AM	☐ YES ■ NO
C-B05-3	10:52 AM	☐ YES ■ NO
C-B05-4	10:35 AM	☐ YES ■ NO
C-B06-5	10:46 AM	☐ YES ■ NO
C-B07-6	: A.M. / PM	☐ YES ☐ NO
C-B07-7	9:40 AM	☐ YES ■ NO
C-B08-8	10:22 AM	☐ YES ■ NO
C-B12-9	10:30 AM	☐ YES ■ NO
C-B09-10	11:20 AM	☐ YES ■ NO

Observation Date: March 21, 2007

Observers Name: Richard Gifb

Title: Manager, Environmental Affairs

Signature: [signature]

Time Discharge Began: None – insufficient volume

Observation Time: 7:45 AM

Were Pollutants Observed: N/A
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: 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-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

2006 – 2007
ANNUAL REPORT
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

ADDITIONAL PAGES

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
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2006 – 2007
ANNUAL REPORT
FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

ADDITIONAL PAGES

Observation Date: April 12, 2007

Observers Name: Richard Gilb

Title: Manager, Environmental Affairs

Signature: _____

Time Discharge Began: None – insufficient volume

Observation Time: 7:30 AM

Were Pollutants Observed: N/A
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	: 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-B12-9	: A.M. / PM	☐ YES ☐ NO
C-B09-10	: A.M. / PM	☐ YES ☐ NO

Observation Date: April 20, 2007

Observers Name: Marisa Fontanoz

Title: Assistant Environmental Specialist

Signature: _____

Time Discharge Began: 1:51 PM

Observation Time: 2:17 PM

Were Pollutants Observed: NO
(If yes, complete reverse side)

Drainage Location Description	Observation Time	Were Pollutants Observed
C-B01-1	2:17 PM	☐ YES ■ NO
C-B03-2	2:11 PM	☐ YES ■ NO
C-B05-3	3:13 PM	☐ YES ■ NO
C-B05-4	2:09 PM	☐ YES ■ NO
C-B06-5	2:20 PM	☐ YES ■ NO
C-B07-6	3:28 PM	☐ YES ■ NO
C-B07-7	2:39 PM	☐ YES ■ NO
C-B08-8	2:06 PM	☐ YES ■ NO
C-B12-9	2:25 PM	☐ YES ■ NO
C-B09-10	2:50 PM	☐ YES ■ NO

2006 – 2007
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
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				
NA / / : □ AM □ PM				

2006 - 2007

ANNUAL REPORT

SIDE A

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

EVALUATION DATE: May/June 2007 **INSPECTOR NAME:** Marisa Fontanoz/Mayra Garcia **TITLE:** Assistant Environmental Specialist/Staff Assistant **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
American Eagle, Incorporated	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Evidence of oily stains apparently caused by leaking equipment at the Commuter Terminal ramp areas.	American Eagle was notified of the deficiency by email. Problems were abated on May 29, 2007.
Capital Cargo	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Used dry absorbent left on the ground. Oily stains around Capital Cargo's operations area. Batteries stored outdoors without secondary containment and overhead coverage. Bucket of unknown waste liquid stored outdoors.	Capital Cargo was notified of the deficiency by email. Problems were abated on June 19, 2007.
DAL Global Services	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Lavatory deodorant stains on the ramp area between Gates 16 and 17. Leaking lavatory service vehicle.	DAL Global Services was notified of the deficiency by email. Problems were abated on June 14, 2007.
Elite Line Services, Incorporated	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	55-gallon drums of hydraulic fluid stored without secondary containment. Significant materials not properly labeled, sealed, and stored in secondary containment. Need spill kits readily available to use in an event of a spill and train employees to use them properly.	Elite Line Services, Incorporated was notified of the deficiency by email. Problems were abated on June 20, 2007.

2006 - 2007

ANNUAL REPORT

SIDE B

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: May/June 2007 **INSPECTOR NAME:** Marisa Fontanoz/Mayra Garcia **TITLE:** Assistant Environmental Specialist/Staff Assistant **SIGNATURE:** _____

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Jimsair Aviation Services, Incorporated	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Drums of waste liquid and spent absorbent material without secondary containment and overhead coverage. Batteries stored outdoors without secondary containment and overhead coverage. Leaking ground service equipment.	Jimsair Aviation Services, Incorporated was notified of the deficiency by email. Problems were abated on June 26, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
Northwest Airlines, Incorporated	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ■ YES ☐ NO **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Evidence of recent spills and stains in operations area. Secondary containment filled with liquid waste. 55-gallon drums being stored inside the secondary containment, labeled Hazardous Waste – Jet Fuel, Mixed Solvents, with an accumulation date of 10/11/05. Evidence of improper waste management and disposal.	Northwest Airlines, Incorporated was notified of the deficiency by email. Problems were abated on June 6, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
Skywest Airlines	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ■ YES ☐ NO **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Properly dispose of the 55-gallon drum of Glycol fluid stored inside the jet blast fence with no secondary containment. Improper storage of the Hydraulic fluid containers. Improper storage of cleaning materials.	Skywest Airlines was notified of the deficiency by email. Problems were abated on June 8, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			**Describe deficiencies in BMPs or BMP implementation**	**Describe additional/revised BMPs or corrective actions and their date(s) of implementation**
SPC Airport Services, Incorporated	**HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?** ■ YES ☐ NO **ARE ADDITIONAL/REVISED BMPs NECESSARY?** ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Properly seal and store cleaning supplies in secondary containment.	SPC Airport Services, Incorporated, was notified of the deficiency by email. Problems were abated on June 11, 2007.

2006 - 2007

ANNUAL REPORT

SIDE C

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: May/June 2007 **INSPECTOR NAME:** Marisa Fontanoz/Mayra Garcia **TITLE:** Assistant Environmental Specialist/Staff Assistant **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Timco	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Oil waste stored without secondary containment and overhead coverage.	Timco was notified of the deficiency by email. Problems were abated on May 31, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
United Airlines, Incorporated	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ■ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ■ NO	If yes, to either question, complete the next two columns of this form	Blue lavatory deodorant spill in the cargo area. Improperly stored materials near Gate 12. Please store the small oil container and Honey Bee cleaner properly. Improperly stored flammables materials in cabinet under a stair way near Gate 12.	United Airlines, Incorporated was notified of the deficiency by email. Problems were abated on June 5, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☐ NO	If yes, to either question, complete the next two columns of this form		
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐ YES ☐ NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐ YES ☐ NO	If yes, to either question, complete the next two columns of this form		

ANALYTICAL DATA

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1-10-14-06	0610335-01	Liquid	10/14/06 05:35	10/14/06 16:07
C-B03-2-10-14-06	0610335-02	Liquid	10/14/06 05:15	10/14/06 16:07
C-B05-3-10-14-06	0610335-03	Liquid	10/14/06 03:25	10/14/06 16:07
C-B05-4-10-14-06	0610335-04	Liquid	10/14/06 05:50	10/14/06 16:07
C-B06-5-10-14-06	0610335-05	Liquid	10/14/06 05:40	10/14/06 16:07
C-B09-10-10-14-06	0610335-06	Liquid	10/14/06 03:15	10/14/06 16:07
C-B07-6-10-14-06	0610335-07	Liquid	10/14/06 02:35	10/14/06 16:07
C-B07-7-10-14-06	0610335-08	Liquid	10/14/06 06:15	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-09	Liquid	10/14/06 12:25	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-10	Liquid	10/14/06 03:20	10/14/06 16:07
C-B12-9-10-14-06	0610335-11	Liquid	10/14/06 03:00	10/14/06 16:07
S-B08-1-10-14-06	0610335-12	Liquid	10/14/06 12:05	10/14/06 16:07
S-B08-1-10-14-06	0610335-13	Liquid	10/14/06 02:30	10/14/06 16:07
S-B08-2-10-14-06	0610335-14	Liquid	10/14/06 12:15	10/14/06 16:07
S-B02-10-14-06	0610335-15	Liquid	10/14/06 02:38	10/14/06 16:07
S-B09-3-10-14-06	0610335-16	Liquid	10/14/06 12:00	10/14/06 16:07
S-B09-3/C-B09-10-10-14-06	0610335-17	Liquid	10/14/06 02:50	10/14/06 16:07
S-B11-4-10-14-06	0610335-18	Liquid	10/14/06 12:10	10/14/06 16:07
S-B11-4-10-14-06	0610335-19	Liquid	10/14/06 02:50	10/14/06 16:07
S-B05-5-10-14-06	0610335-20	Liquid	10/14/06 12:20	10/14/06 16:07
S-B05-5-10-14-06	0610335-21	Liquid	10/14/06 03:47	10/14/06 16:07
S-B07-6-10-14-06	0610335-22	Liquid	10/14/06 02:27	10/14/06 16:07
S-B08-9-10-14-06	0610335-23	Liquid	10/14/06 05:00	10/14/06 16:07
S-B03-10-10-14-06	0610335-24	Liquid	10/14/06 05:30	10/14/06 16:07
S-B06-11-10-14-06	0610335-25	Liquid	10/14/06 05:15	10/14/06 16:07
S-B06-12-10-14-06	0610335-26	Liquid	10/14/06 12:35	10/14/06 16:07
S-B06-12-10-14-06	0610335-27	Liquid	10/14/06 03:06	10/14/06 16:07
S-B12-13-10-14-06	0610335-28	Liquid	10/14/06 12:13	10/14/06 16:07
S-B12-13-10-14-06	0610335-29	Liquid	10/14/06 03:28	10/14/06 16:07

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

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 otherwise 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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1-10-14-06	0610335-01	Liquid	10/14/06 05:35	10/14/06 16:07
C-B03-2-10-14-06	0610335-02	Liquid	10/14/06 05:15	10/14/06 16:07
C-B05-3-10-14-06	0610335-03	Liquid	10/14/06 03:25	10/14/06 16:07
C-B05-4-10-14-06	0610335-04	Liquid	10/14/06 05:50	10/14/06 16:07
C-B06-5-10-14-06	0610335-05	Liquid	10/14/06 05:40	10/14/06 16:07
C-B09-10-10-14-06	0610335-06	Liquid	10/14/06 03:15	10/14/06 16:07
C-B07-6-10-14-06	0610335-07	Liquid	10/14/06 02:35	10/14/06 16:07
C-B07-7-10-14-06	0610335-08	Liquid	10/14/06 06:15	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-09	Liquid	10/14/06 12:25	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-10	Liquid	10/14/06 03:20	10/14/06 16:07
C-B12-9-10-14-06	0610335-11	Liquid	10/14/06 03:00	10/14/06 16:07
S-B08-1-10-14-06	0610335-12	Liquid	10/14/06 12:05	10/14/06 16:07
S-B08-1-10-14-06	0610335-13	Liquid	10/14/06 02:30	10/14/06 16:07
S-B08-2-10-14-06	0610335-14	Liquid	10/14/06 12:15	10/14/06 16:07
S-B02-10-14-06	0610335-15	Liquid	10/14/06 02:38	10/14/06 16:07
S-B09-3-10-14-06	0610335-16	Liquid	10/14/06 12:00	10/14/06 16:07
S-B09-3/C-B09-10-10-14-06	0610335-17	Liquid	10/14/06 02:50	10/14/06 16:07
S-B11-4-10-14-06	0610335-18	Liquid	10/14/06 12:10	10/14/06 16:07
S-B11-4-10-14-06	0610335-19	Liquid	10/14/06 02:50	10/14/06 16:07
S-B05-5-10-14-06	0610335-20	Liquid	10/14/06 12:20	10/14/06 16:07
S-B05-5-10-14-06	0610335-21	Liquid	10/14/06 03:47	10/14/06 16:07
S-B07-6-10-14-06	0610335-22	Liquid	10/14/06 02:27	10/14/06 16:07
S-B08-9-10-14-06	0610335-23	Liquid	10/14/06 05:00	10/14/06 16:07
S-B03-10-10-14-06	0610335-24	Liquid	10/14/06 05:30	10/14/06 16:07
S-B06-11-10-14-06	0610335-25	Liquid	10/14/06 05:15	10/14/06 16:07
S-B06-12-10-14-06	0610335-26	Liquid	10/14/06 12:35	10/14/06 16:07
S-B06-12-10-14-06	0610335-27	Liquid	10/14/06 03:06	10/14/06 16:07
S-B12-13-10-14-06	0610335-28	Liquid	10/14/06 12:13	10/14/06 16:07
S-B12-13-10-14-06	0610335-29	Liquid	10/14/06 03:28	10/14/06 16:07

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 otherwise 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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	**Sampled: 10/14/06 05:35**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.980**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**280**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**719**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**818**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.300**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**4.20**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**264**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-10-14-06 (0610335-02) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.490**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**162**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**318**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**655**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.330**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**3.80**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.10**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**148**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-10-14-06 (0610335-03) Liquid	**Sampled: 10/14/06 03:25**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.150**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**27.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**50.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**108**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**6.10**	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**23.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	**Sampled: 10/14/06 05:35**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.980**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**280**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**719**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**818**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.300**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**4.20**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**264**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-10-14-06 (0610335-02) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.490**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**162**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**318**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**655**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.330**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**3.80**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.10**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**148**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-10-14-06 (0610335-03) Liquid	**Sampled: 10/14/06 03:25**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.150**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**27.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**50.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**108**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**6.10**	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**23.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

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

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-10-14-06 (0610335-04) Liquid	**Sampled: 10/14/06 05:50**		**Received: 10/14/06 16:07**						
Ammonia as N	**1.25**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**370**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**1160**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**822**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.360**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**6.80**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.30**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**430**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-10-14-06 (0610335-05) Liquid	**Sampled: 10/14/06 05:40**		**Received: 10/14/06 16:07**						
Ammonia as N	ND	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**120**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**279**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**211**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.220**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**4.00**	1.00	"	"	"	"	"	EPA 413.1	
pH	**4.90**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**150**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B09-10-10-14-06 (0610335-06) Liquid	**Sampled: 10/14/06 03:15**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.120**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**27.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**60.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**96.6**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**5.20**	1.00	"	"	"	"	"	EPA 413.1	
pH	**6.80**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**41.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-10-14-06 (0610335-07) Liquid	**Sampled: 10/14/06 02:35**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.220**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**132**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**290**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**212**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**3.70**	1.00	"	"	"	"	"	EPA 413.1	
pH	**6.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**120**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-7-10-14-06 (0610335-08) Liquid	**Sampled: 10/14/06 06:15**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.290**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**218**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**506**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**399**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.130**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**5.80**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**264**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B08-14/C-B08-8-10-14-06 (0610335-09) Liquid	**Sampled: 10/14/06 12:25**		**Received: 10/14/06 16:07**						
Ammonia as N	**0.100**	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**41.0**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**120**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**378**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.170**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**3.60**	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.30**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**45.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-10-14-06 (0610335-11) Liquid	**Sampled: 10/14/06 03:00**		**Received: 10/14/06 16:07**						
Ammonia as N	ND	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	**108**	2.00	"	"	"	"	"	EPA 405.1	
Chemical Oxygen Demand	**218**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**8660**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.130**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	ND	1.00	"	"	"	"	"	EPA 413.1	
pH	**6.40**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**91.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B08-1-10-14-06 (0610335-12) Liquid	**Sampled: 10/14/06 12:05**		**Received: 10/14/06 16:07**						
Biochemical Oxygen Demand	**47.0**	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	**122**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**89.9**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**3.30**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**5.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**57.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B08-2-10-14-06 (0610335-14) Liquid	**Sampled: 10/14/06 12:15**		**Received: 10/14/06 16:07**						
Biochemical Oxygen Demand	**104**	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	**144**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**186**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**3.70**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**5.50**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**96.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B09-3-10-14-06 (0610335-16) Liquid	**Sampled: 10/14/06 12:00**		**Received: 10/14/06 16:07**						
Biochemical Oxygen Demand	**40.0**	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	**107**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**329**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**4.90**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**7.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**38.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B11-4-10-14-06 (0610335-18) Liquid	**Sampled: 10/14/06 12:10**		**Received: 10/14/06 16:07**						
Biochemical Oxygen Demand	**128**	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	**329**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**125**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**2.70**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**5.60**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**144**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-10-14-06 (0610335-26) Liquid	**Sampled: 10/14/06 12:35**		**Received: 10/14/06 16:07**						
Biochemical Oxygen Demand	**9.20**	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	**31.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**155**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**1.10**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**6.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**8.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B12-13-10-14-06 (0610335-28) Liquid	**Sampled: 10/14/06 12:13**		**Received: 10/14/06 16:07**						
Biochemical Oxygen Demand	**8.60**	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	**28.0**	0.100	"	"	"	"	"	EPA 410.4	
Specific Conductance (EC)	**182**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**1.20**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**6.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**7.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	**Sampled: 10/14/06 05:35**		**Received: 10/14/06 16:07**						
Aluminum	**3000**	100	µg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**2500**	4.0	"	"	"	"	"	"	
Iron	**2.5**	0.10	mg/L	"	"	"	"	"	
Lead	**56**	4.0	µg/L	"	"	"	"	"	
Zinc	**2400**	4.0	"	"	"	"	"	"	
C-B03-2-10-14-06 (0610335-02) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Aluminum	**560**	100	µg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**1900**	4.0	"	"	"	"	"	"	
Iron	**0.57**	0.10	mg/L	"	"	"	"	"	
Lead	**110**	4.0	µg/L	"	"	"	"	"	
Zinc	**1100**	4.0	"	"	"	"	"	"	
C-B05-3-10-14-06 (0610335-03) Liquid	**Sampled: 10/14/06 03:25**		**Received: 10/14/06 16:07**						
Aluminum	**4800**	50	µg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**21**	2.0	"	"	"	"	"	"	
Iron	**4.4**	0.050	mg/L	"	"	"	"	"	
Lead	**38**	2.0	µg/L	"	"	"	10/24/06	"	
Zinc	**74**	2.0	"	"	"	"	"	"	
C-B05-4-10-14-06 (0610335-04) Liquid	**Sampled: 10/14/06 05:50**		**Received: 10/14/06 16:07**						
Aluminum	**2600**	100	µg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**2700**	4.0	"	"	"	"	"	"	
Iron	**3.1**	0.10	mg/L	"	"	"	"	"	
Lead	**55**	4.0	µg/L	"	"	"	"	"	
Zinc	**6500**	4.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-10-14-06 (0610335-05) Liquid	**Sampled: 10/14/06 05:40**		**Received: 10/14/06 16:07**						
Aluminum	**1400**	50	µg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**430**	2.0	"	"	"	"	"	"	
Iron	**1.7**	0.050	mg/L	"	"	"	"	"	
Lead	**26**	2.0	µg/L	"	"	"	"	"	
Zinc	**310**	2.0	"	"	"	"	"	"	
C-B09-10-10-14-06 (0610335-06) Liquid	**Sampled: 10/14/06 03:15**		**Received: 10/14/06 16:07**						
Aluminum	**8700**	50	µg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**38**	2.0	"	"	"	"	"	"	
Iron	**8.6**	0.050	mg/L	"	"	"	"	"	
Lead	**66**	2.0	µg/L	"	"	"	"	"	
Zinc	**240**	2.0	"	"	"	"	"	"	
C-B07-6-10-14-06 (0610335-07) Liquid	**Sampled: 10/14/06 02:35**		**Received: 10/14/06 16:07**						
Aluminum	**340**	50	µg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**220**	2.0	"	"	"	"	"	"	
Iron	**0.93**	0.050	mg/L	"	"	"	"	"	
Lead	**25**	2.0	µg/L	"	"	"	"	"	
Zinc	**1100**	2.0	"	"	"	"	"	"	
C-B07-7-10-14-06 (0610335-08) Liquid	**Sampled: 10/14/06 06:15**		**Received: 10/14/06 16:07**						
Aluminum	**480**	100	µg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**220**	4.0	"	"	"	"	"	"	
Iron	**1.0**	0.10	mg/L	"	"	"	"	"	
Lead	**42**	4.0	µg/L	"	"	"	10/24/06	"	
Zinc	**850**	4.0	"	"	"	"	10/24/06	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-14/C-B08-8-10-14-06 (0610335-09) Liquid	**Sampled: 10/14/06 12:25**			**Received: 10/14/06 16:07**					
Aluminum	**230**	50	µg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**330**	2.0	"	"	"	"	"	"	
Iron	**0.45**	0.050	mg/L	"	"	"	"	"	
Lead	**24**	2.0	µg/L	"	"	"	10/24/06	"	
Zinc	**240**	2.0	"	"	"	"	"	"	
C-B12-9-10-14-06 (0610335-11) Liquid	**Sampled: 10/14/06 03:00**			**Received: 10/14/06 16:07**					
Aluminum	ND	250	µg/L	5	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	**50**	10	"	"	"	"	"	"	
Iron	**0.29**	0.25	mg/L	"	"	"	"	"	
Lead	**93**	10	µg/L	"	"	"	"	"	
Zinc	**140**	10	"	"	"	"	"	"	
S-B08-1-10-14-06 (0610335-12) Liquid	**Sampled: 10/14/06 12:05**			**Received: 10/14/06 16:07**					
Aluminum	**300**	100	µg/L	2	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	**54**	2.0	"	1	"	"	"	"	
Iron	**0.20**	0.050	mg/L	"	"	"	"	"	
Lead	**19**	2.0	µg/L	"	"	"	"	"	
Zinc	**330**	2.0	"	"	"	"	"	"	
S-B08-2-10-14-06 (0610335-14) Liquid	**Sampled: 10/14/06 12:15**			**Received: 10/14/06 16:07**					
Aluminum	**810**	50	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	**63**	2.0	"	"	"	"	"	"	
Iron	**1.1**	0.050	mg/L	"	"	"	"	"	
Lead	**21**	2.0	µg/L	"	"	"	"	"	
Zinc	**240**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B09-3-10-14-06 (0610335-16) Liquid	**Sampled: 10/14/06 12:00**		**Received: 10/14/06 16:07**						
Aluminum	**130**	50	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	**50**	2.0	"	"	"	"	"	"	
Iron	**0.21**	0.050	mg/L	"	"	"	"	"	
Lead	**20**	2.0	µg/L	"	"	"	"	"	
Zinc	**120**	2.0	"	"	"	"	"	"	
S-B11-4-10-14-06 (0610335-18) Liquid	**Sampled: 10/14/06 12:10**		**Received: 10/14/06 16:07**						
Aluminum	**7700**	50	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	**150**	2.0	"	"	"	"	10/24/06	"	
Iron	**11**	0.050	mg/L	"	"	"	10/24/06	"	
Lead	**91**	2.0	µg/L	"	"	"	10/24/06	"	
Zinc	**1000**	2.0	"	"	"	"	"	"	
S-B05-5-10-14-06 (0610335-20) Liquid	**Sampled: 10/14/06 12:20**		**Received: 10/14/06 16:07**						
Copper	**120**	2.0	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Zinc	**270**	2.0	"	"	"	"	"	"	
S-B07-6-10-14-06 (0610335-22) Liquid	**Sampled: 10/14/06 02:27**		**Received: 10/14/06 16:07**						
Copper	**230**	2.0	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Zinc	**2100**	2.0	"	"	"	"	"	"	
S-B08-9-10-14-06 (0610335-23) Liquid	**Sampled: 10/14/06 05:00**		**Received: 10/14/06 16:07**						
Copper	**220**	2.0	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Zinc	**210**	2.0	"	"	"	"	10/24/06	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B03-10-10-14-06 (0610335-24) Liquid	**Sampled: 10/14/06 05:30**		**Received: 10/14/06 16:07**						
Copper	**2000**	2.0	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Zinc	**720**	2.0	"	"	"	"	"	"	
S-B06-11-10-14-06 (0610335-25) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Copper	**680**	2.0	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Zinc	**190**	2.0	"	"	"	"	"	"	
S-B06-12-10-14-06 (0610335-26) Liquid	**Sampled: 10/14/06 12:35**		**Received: 10/14/06 16:07**						
Aluminum	ND	50	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	**38**	2.0	"	"	"	"	"	"	
Iron	**0.16**	0.050	mg/L	"	"	"	"	"	
Lead	**21**	2.0	µg/L	"	"	"	10/24/06	"	
Zinc	**92**	2.0	"	"	"	"	"	"	
S-B12-13-10-14-06 (0610335-28) Liquid	**Sampled: 10/14/06 12:13**		**Received: 10/14/06 16:07**						
Aluminum	**62**	50	µg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	**27**	2.0	"	"	"	"	"	"	
Iron	ND	2.0	mg/L	"	"	"	"	"	
Lead	**22**	2.0	µg/L	"	"	"	10/24/06	"	
Zinc	**60**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	**Sampled: 10/14/06 05:35**		**Received: 10/14/06 16:07**						
Copper	**2400**	4.0	µg/L	2	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**2400**	4.0	"	"	"	"	"	"	
C-B03-2-10-14-06 (0610335-02) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Copper	**1700**	4.0	µg/L	2	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**1100**	4.0	"	"	"	"	"	"	
C-B05-3-10-14-06 (0610335-03) Liquid	**Sampled: 10/14/06 03:25**		**Received: 10/14/06 16:07**						
Copper	**12**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**11**	2.0	"	"	"	"	"	"	
C-B05-4-10-14-06 (0610335-04) Liquid	**Sampled: 10/14/06 05:50**		**Received: 10/14/06 16:07**						
Copper	**2500**	4.0	µg/L	2	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**5800**	4.0	"	"	"	"	"	"	
C-B06-5-10-14-06 (0610335-05) Liquid	**Sampled: 10/14/06 05:40**		**Received: 10/14/06 16:07**						
Copper	**380**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**250**	2.0	"	"	"	"	10/24/06	"	
C-B09-10-10-14-06 (0610335-06) Liquid	**Sampled: 10/14/06 03:15**		**Received: 10/14/06 16:07**						
Copper	**12**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**16**	2.0	"	"	"	"	"	"	
C-B07-6-10-14-06 (0610335-07) Liquid	**Sampled: 10/14/06 02:35**		**Received: 10/14/06 16:07**						
Copper	**98**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**840**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-10-14-06 (0610335-08) Liquid	**Sampled: 10/14/06 06:15**		**Received: 10/14/06 16:07**						
Copper	**180**	4.0	µg/L	2	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**690**	4.0	"	"	"	"	"	"	
S-B08-14/C-B08-8-10-14-06 (0610335-09) Liquid	**Sampled: 10/14/06 12:25**		**Received: 10/14/06 16:07**						
Copper	**120**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**190**	2.0	"	"	"	"	10/24/06	"	
C-B12-9-10-14-06 (0610335-11) Liquid	**Sampled: 10/14/06 03:00**		**Received: 10/14/06 16:07**						
Copper	**22**	10	µg/L	2	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**59**	10	"	"	"	"	10/24/06	"	
S-B08-1-10-14-06 (0610335-12) Liquid	**Sampled: 10/14/06 12:05**		**Received: 10/14/06 16:07**						
Copper	**46**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**260**	2.0	"	"	"	"	"	"	
S-B08-2-10-14-06 (0610335-14) Liquid	**Sampled: 10/14/06 12:15**		**Received: 10/14/06 16:07**						
Copper	**58**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**210**	2.0	"	"	"	"	10/24/06	"	
S-B09-3-10-14-06 (0610335-16) Liquid	**Sampled: 10/14/06 12:00**		**Received: 10/14/06 16:07**						
Copper	**50**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**110**	2.0	"	"	"	"	"	"	
S-B11-4-10-14-06 (0610335-18) Liquid	**Sampled: 10/14/06 12:10**		**Received: 10/14/06 16:07**						
Copper	**40**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**220**	2.0	"	"	"	"	10/24/06	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B05-5-10-14-06 (0610335-20) Liquid	**Sampled: 10/14/06 12:20**		**Received: 10/14/06 16:07**						
Copper	**71**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**200**	2.0	"	"	"	"	"	"	
S-B07-6-10-14-06 (0610335-22) Liquid	**Sampled: 10/14/06 02:27**		**Received: 10/14/06 16:07**						
Copper	**39**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**1200**	2.0	"	"	"	"	"	"	
S-B08-9-10-14-06 (0610335-23) Liquid	**Sampled: 10/14/06 05:00**		**Received: 10/14/06 16:07**						
Copper	**210**	2.0	µg/L	1	B6J2324	10/23/06	10/24/06	EPA 200.8	
Zinc	**190**	2.0	"	"	"	"	10/24/06	"	
S-B03-10-10-14-06 (0610335-24) Liquid	**Sampled: 10/14/06 05:30**		**Received: 10/14/06 16:07**						
Copper	**1700**	5.0	µg/L	1	B6J2324	10/23/06	10/25/06	EPA 200.8	
Zinc	**670**	10	"	"	"	"	10/25/06	"	
S-B06-11-10-14-06 (0610335-25) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Copper	**460**	5.0	µg/L	1	B6J2324	10/23/06	10/25/06	EPA 200.8	
Zinc	**130**	10	"	"	"	"	"	"	
S-B06-12-10-14-06 (0610335-26) Liquid	**Sampled: 10/14/06 12:35**		**Received: 10/14/06 16:07**						
Copper	**30**	5.0	µg/L	1	B6J2324	10/23/06	10/25/06	EPA 200.8	
Zinc	**81**	10	"	"	"	"	"	"	
S-B12-13-10-14-06 (0610335-28) Liquid	**Sampled: 10/14/06 12:13**		**Received: 10/14/06 16:07**						
Copper	**19**	2.0	µg/L	1	B6J2325	10/23/06	10/25/06	EPA 200.8	
Zinc	**60**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	**Sampled: 10/14/06 05:35**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	ND	1.0	mg/L	20	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*
Jet-A	ND	1.0	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*
Oil Range Organics (C22-C36)	**6.4**	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*
C-B03-2-10-14-06 (0610335-02) Liquid	**Sampled: 10/14/06 05:15**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	**5.3**	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*138 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**2.4**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*139 %*	*60-175*		"	"	"	"	
C-B05-3-10-14-06 (0610335-03) Liquid	**Sampled: 10/14/06 03:25**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*134 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*134 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.80**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*134 %*	*60-175*		"	"	"	"	
C-B05-4-10-14-06 (0610335-04) Liquid	**Sampled: 10/14/06 05:50**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	ND	1.0	mg/L	20	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*
Jet-A	ND	1.0	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*
Oil Range Organics (C22-C36)	**6.0**	1.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-03*

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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-10-14-06 (0610335-05) Liquid	**Sampled: 10/14/06 05:40**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/19/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*115 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*115 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.1**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*115 %*	*60-175*		"	"	"	"	
C-B09-10-10-14-06 (0610335-06) Liquid	**Sampled: 10/14/06 03:15**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.3**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*116 %*	*60-175*		"	"	"	"	
C-B07-6-10-14-06 (0610335-07) Liquid	**Sampled: 10/14/06 02:35**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	ND	0.25	mg/L	5	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*204 %*	*60-175*		"	"	"	"	*S-07*
Jet-A	ND	0.25	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*204 %*	*60-175*		"	"	"	"	*S-07*
Oil Range Organics (C22-C36)	**6.1**	0.25	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*204 %*	*60-175*		"	"	"	"	*S-07*
C-B07-7-10-14-06 (0610335-08) Liquid	**Sampled: 10/14/06 06:15**		**Received: 10/14/06 16:07**						
Diesel Range Organics (C10-C24)	**3.6**	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*104 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*104 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**2.3**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*104 %*	*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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-14/C-B08-8-10-14-06 (0610335-09) Liquid Sampled: 10/14/06 12:25 Received: 10/14/06 16:07									
Diesel Range Organics (C10-C24)	**2.6**	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*115 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*115 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.7**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*115 %*	*60-175*		"	"	"	"	
C-B12-9-10-14-06 (0610335-11) Liquid Sampled: 10/14/06 03:00 Received: 10/14/06 16:07									
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/19/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		*140 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	D-42
Surrogate: o-Terphenyl		*140 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**2.3**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*140 %*	*60-175*		"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6J2612 - General Preparation										
Blank (B6J2612-BLK1)				Prepared & Analyzed: 10/14/06						
Ammonia as N	ND	0.100	mg/L							
Biochemical Oxygen Demand	ND	2.00	"							
Chemical Oxygen Demand	ND	0.100	"							
Methylene Blue Active Substances	ND	0.0500	"							
Oil & Grease	ND	1.00	"							
Total Suspended Solids	ND	1.00	"							
Calibration Check (B6J2612-CCV1)				Prepared & Analyzed: 10/14/06						
Ammonia as N	0.450		mg/L	0.500		90.0	80-120			
Biochemical Oxygen Demand	189		"	200		94.5	80-120			
Chemical Oxygen Demand	288		"	300		96.0	80-120			
Methylene Blue Active Substances	0.220		"	0.200		110	80-120			
Duplicate (B6J2612-DUP1)		**Source: 0610335-01**		Prepared & Analyzed: 10/14/06						
Ammonia as N	1.06	0.100	mg/L		0.980			7.84	15	
Biochemical Oxygen Demand	266	2.00	"		280			5.13	30	
Chemical Oxygen Demand	728	0.100	"		719			1.24	15	
Methylene Blue Active Substances	0.270	0.0500	"		0.300			10.5	15	
Oil & Grease	4.50	1.00	"		4.20			6.90	15	
pH	5.10	0.100	pH Units		5.00			1.98	15	
Specific Conductance (EC)	826	0.100	µmhos/cm		818			0.973	15	
Total Suspended Solids	259	1.00	mg/L		264			1.91	15	
Duplicate (B6J2612-DUP2)		**Source: 0610335-12**		Prepared & Analyzed: 10/14/06						
Ammonia as N	0.130	0.100	mg/L		0.120			8.00	15	
Biochemical Oxygen Demand	50.0	2.00	"		47.0			6.19	30	
Chemical Oxygen Demand	108	0.100	"		122			12.2	15	
Methylene Blue Active Substances	ND	0.0500	"		ND				15	
Oil & Grease	3.10	1.00	"		3.30			6.25	15	
pH	5.90	0.100	pH Units		5.20			12.6	15	
Specific Conductance (EC)	90.4	0.100	µmhos/cm		89.9			0.555	15	
Total Suspended Solids	60.0	1.00	mg/L		57.0			5.13	15	

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J1950 - EPA 200 Series										
Blank (B6J1950-BLK1)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							
Blank (B6J1950-BLK2)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6J1950-BS1)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	92.8	50	µg/L	100		92.8	85-115			
Copper	105	2.0	"	100		105	85-115			
Iron	1.02	0.050	mg/L	1.00		102	85-115			
Lead	111	2.0	µg/L	100		111	85-115			
Zinc	92.1	2.0	"	100		92.1	85-115			
LCS (B6J1950-BS2)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	92.6	50	µg/L	100		92.6	85-115			
Copper	106	2.0	"	100		106	85-115			
Iron	1.03	0.050	mg/L	1.00		103	85-115			
Lead	114	2.0	µg/L	100		114	85-115			
Zinc	88.6	2.0	"	100		88.6	85-115			
Matrix Spike (B6J1950-MS1)	**Source: 0610335-01**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	3150	100	µg/L	100	3000	150	70-130			QM-07
Copper	2630	4.0	"	100	2500	130	70-130			
Iron	3.53	0.10	mg/L	1.00	2.5	103	70-130			
Lead	156	4.0	µg/L	100	56	100	70-130			
Zinc	2570	4.0	"	100	2400	170	70-130			QM-07

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J1950 - EPA 200 Series										
Matrix Spike (B6J1950-MS2)	**Source: 0610335-02**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	1710	100	µg/L	100	560	NR	70-130			QM-07
Copper	2160	4.0	"	100	1900	260	70-130			QM-07
Iron	3.04	0.10	mg/L	1.00	0.57	247	70-130			QM-07
Lead	256	4.0	µg/L	100	110	146	70-130			QM-07
Zinc	1240	4.0	"	100	1100	140	70-130			QM-07
Matrix Spike Dup (B6J1950-MSD1)	**Source: 0610335-01**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	3570	100	µg/L	100	3000	570	70-130	12.5	20	QM-07
Copper	2650	4.0	"	100	2500	150	70-130	0.758	20	QM-07
Iron	3.95	0.10	mg/L	1.00	2.5	145	70-130	11.2	20	QM-07
Lead	160	4.0	µg/L	100	56	104	70-130	2.53	20	
Zinc	2600	4.0	"	100	2400	200	70-130	1.16	20	QM-07
Matrix Spike Dup (B6J1950-MSD2)	**Source: 0610335-02**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	2370	100	µg/L	100	560	NR	70-130	32.4	20	QM-07
Copper	2100	4.0	"	100	1900	200	70-130	2.82	20	QM-07
Iron	3.78	0.10	mg/L	1.00	0.57	321	70-130	21.7	20	QM-07
Lead	276	4.0	µg/L	100	110	166	70-130	7.52	20	QM-07
Zinc	1230	20	"	100	1100	130	70-130	0.810	20	
Batch B6J1951 - EPA 200 Series										
Blank (B6J1951-BLK1)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J1951 - EPA 200 Series										
Blank (B6J1951-BLK2)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6J1951-BS1)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	94.2	50	µg/L	100		94.2	85-115			
Copper	104	2.0	"	100		104	85-115			
Iron	1.02	0.050	mg/L	1.00		102	85-115			
Lead	106	2.0	µg/L	100		106	85-115			
Zinc	88.9	2.0	"	100		88.9	85-115			
LCS (B6J1951-BS2)				Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	86.7	50	µg/L	100		86.7	85-115			
Copper	105	2.0	"	100		105	85-115			
Iron	0.998	0.050	mg/L	1.00		99.8	85-115			
Lead	108	2.0	µg/L	100		108	85-115			
Zinc	87.1	2.0	"	100		87.1	85-115			
Matrix Spike (B6J1951-MS1)	**Source: 0610335-12**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	256	50	µg/L	100	300	NR	70-130			QM-07
Copper	163	2.0	"	100	54	109	70-130			
Iron	1.19	0.050	mg/L	1.00	0.20	99.0	70-130			
Lead	117	2.0	µg/L	100	19	98.0	70-130			
Zinc	422	2.0	"	100	330	92.0	70-130			
Matrix Spike (B6J1951-MS2)	**Source: 0610335-28**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	169	50	µg/L	100	62	107	70-130			
Copper	137	2.0	"	100	27	110	70-130			
Iron	1.14	0.050	mg/L	1.00	0.11	103	70-130			
Lead	121	2.0	µg/L	100	22	99.0	70-130			
Zinc	159	2.0	"	100	60	99.0	70-130			

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J1951 - EPA 200 Series										
Matrix Spike Dup (B6J1951-MSD1)	**Source: 0610335-12**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	239	50	µg/L	100	300	NR	70-130	6.87	20	QM-07
Copper	161	2.0	"	100	54	107	70-130	1.23	20	
Iron	1.16	0.050	mg/L	1.00	0.20	96.0	70-130	2.55	20	
Lead	116	2.0	µg/L	100	19	97.0	70-130	0.858	20	
Zinc	415	2.0	"	100	330	85.0	70-130	1.67	20	
Matrix Spike Dup (B6J1951-MSD2)	**Source: 0610335-28**			Prepared: 10/19/06 Analyzed: 10/24/06						
Aluminum	167	50	µg/L	100	62	105	70-130	1.19	20	
Copper	135	2.0	"	100	27	108	70-130	1.47	20	
Iron	1.14	0.050	mg/L	1.00	0.11	103	70-130	0.00	20	
Lead	118	2.0	µg/L	100	22	96.0	70-130	2.51	20	
Zinc	155	2.0	"	100	60	95.0	70-130	2.55	20	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J2324 - EPA 200 Series										
Blank (B6J2324-BLK1)				Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	ND	2.0	µg/L							
Zinc	ND	2.0	"							
Blank (B6J2324-BLK2)				Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6J2324-BS1)				Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	107	2.0	µg/L	100		107	85-115			
Zinc	87.2	2.0	"	100		87.2	85-115			
LCS (B6J2324-BS2)				Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	106	2.0	µg/L	100		106	85-115			
Zinc	94.6	2.0	"	100		94.6	85-115			
Matrix Spike (B6J2324-MS1)	**Source: 0610335-01**			Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	2410	4.0	µg/L	100	2400	10.0	70-130			QM-07
Zinc	2290	4.0	"	100	2400	NR	70-130			QM-07
Matrix Spike (B6J2324-MS2)	**Source: 0610335-12**			Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	157	2.0	µg/L	100	46	111	70-130			
Zinc	365	2.0	"	100	260	105	70-130			
Matrix Spike Dup (B6J2324-MSD1)	**Source: 0610335-01**			Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	2450	4.0	µg/L	100	2400	50.0	70-130	1.65	20	QM-07
Zinc	2390	4.0	"	100	2400	NR	70-130	4.27	20	QM-07
Matrix Spike Dup (B6J2324-MSD2)	**Source: 0610335-12**			Prepared: 10/23/06 Analyzed: 10/24/06						
Copper	162	2.0	µg/L	100	46	116	70-130	3.13	20	
Zinc	388	2.0	"	100	260	128	70-130	6.11	20	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J2325 - EPA 200 Series										
Blank (B6J2325-BLK1)				Prepared: 10/23/06 Analyzed: 10/25/06						
Copper	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6J2325-BS1)				Prepared: 10/23/06 Analyzed: 10/25/06						
Copper	101	2.0	µg/L	100		101	85-115			
Zinc	90.0	2.0	"	100		90.0	85-115			
Matrix Spike (B6J2325-MS1)	**Source: 0610335-28**			Prepared: 10/23/06 Analyzed: 10/25/06						
Copper	119	2.0	µg/L	100	19	100	70-130			
Zinc	158	2.0	"	100	60	98.0	70-130			
Matrix Spike Dup (B6J2325-MSD1)	**Source: 0610335-28**			Prepared: 10/23/06 Analyzed: 10/25/06						
Copper	122	2.0	µg/L	100	19	103	70-130	2.49	20	
Zinc	163	2.0	"	100	60	103	70-130	3.12	20	

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

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 B6J2032 - EPA 3510C Sep Funnel										
Blank (B6J2032-BLK1)				Prepared & Analyzed: 10/19/06						
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	*0.110*		"	*0.100*		*110*	*60-175*			
Surrogate: o-Terphenyl	*0.110*		"	*0.100*		*110*	*60-175*			
Surrogate: o-Terphenyl	*0.110*		"	*0.100*		*110*	*60-175*			
LCS (B6J2032-BS1)				Prepared & Analyzed: 10/19/06						
Diesel Range Organics (C10-C24)	0.458	0.050	mg/L	0.500		91.6	80-120			
Diesel Range Organics (C10-C24)	0.458	0.050	"	0.500		91.6	80-120			
Diesel Range Organics (C10-C24)	0.458	0.050	"	0.500		91.6	80-120			
LCS (B6J2032-BS2)				Prepared & Analyzed: 10/19/06						
Diesel Range Organics (C10-C24)	0.566	0.050	mg/L	0.500		113	80-120			
Diesel Range Organics (C10-C24)	0.566	0.050	"	0.500		113	80-120			
Diesel Range Organics (C10-C24)	0.566	0.050	"	0.500		113	80-120			
LCS Dup (B6J2032-BSD1)				Prepared & Analyzed: 10/19/06						
Diesel Range Organics (C10-C24)	0.415	0.050	mg/L	0.500		83.0	80-120	9.85	30	
Diesel Range Organics (C10-C24)	0.415	0.050	"	0.500		83.0	80-120	9.85	30	
Diesel Range Organics (C10-C24)	0.415	0.050	"	0.500		83.0	80-120	9.85	30	

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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E-MAIL: SIERRALABS @ SIERRALABS.NET

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/04/07 13:40

Notes and Definitions

D-40	Sample appears to be a mixture of fuel hydrocarbons. Diesel Range Organics (C10-C24) reported.
D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
D-42	Sample non-detect (ND) for requested fuel type. Other hydrocarbons may be present.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-03	Surrogate diluted out.
S-07	Surrogate recovery outside of control limits due to coelution with high levels of petroleum hydrocarbons.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 0610335

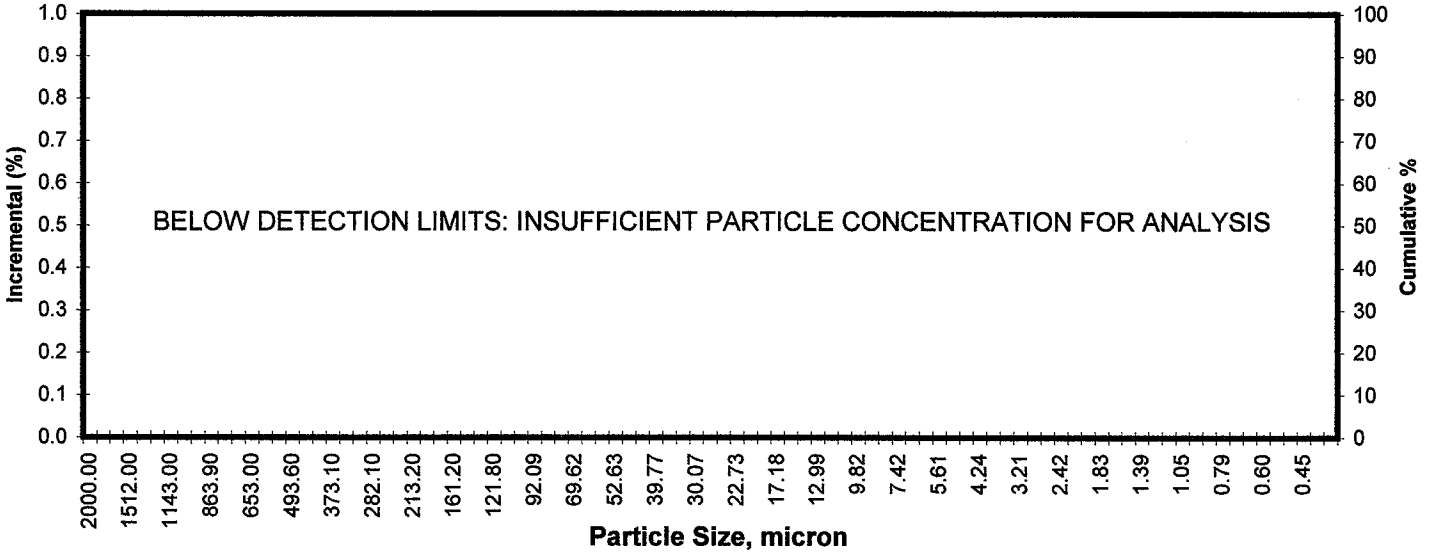
Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
0610335-26	Aqueous	N/A	BELOW DETECTION LIMITS: INSUFFICIENT CONCENTRATION FOR ANALYSIS										

(1) based on Mean from Trask

PTS Laboratories

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	36876
Project:	N/A	**Sample ID:**	0610335-26
Project No:	0610335	**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
948.20	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
339.80	0.00	0.0
309.60	0.00	0.0
282.10	0.00	0.0
256.80	0.00	0.0
234.10	0.00	0.0
213.20	0.00	0.0
194.20	0.00	0.0
176.80	0.00	0.0
161.20	0.00	0.0
146.80	0.00	0.0
133.70	0.00	0.0
121.80	0.00	0.0
111.00	0.00	0.0
101.10	0.00	0.0
92.09	0.00	0.0
83.90	0.00	0.0
76.43	0.00	0.0
69.62	0.00	0.0
63.41	0.00	0.0
57.77	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	0.00	0.0
47.93	0.00	0.0
43.66	0.00	0.0
39.77	0.00	0.0
36.24	0.00	0.0
33.00	0.00	0.0
30.07	0.00	0.0
27.38	0.00	0.0
24.95	0.00	0.0
22.73	0.00	0.0
20.70	0.00	0.0
18.86	0.00	0.0
17.18	0.00	0.0
15.65	0.00	0.0
14.26	0.00	0.0
12.99	0.00	0.0
11.83	0.00	0.0
10.78	0.00	0.0
9.82	0.00	0.0
8.94	0.00	0.0
8.15	0.00	0.0
7.42	0.00	0.0
6.76	0.00	0.0
6.16	0.00	0.0
5.61	0.00	0.0
5.11	0.00	0.0
4.66	0.00	0.0
4.24	0.00	0.0
3.86	0.00	0.0
3.52	0.00	0.0
3.21	0.00	0.0
2.92	0.00	0.0
2.66	0.00	0.0
2.42	0.00	0.0
2.21	0.00	0.0
2.01	0.00	0.0
1.83	0.00	0.0
1.67	0.00	0.0
1.52	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.000	0.0
1.261	0.000	0.0
1.149	0.000	0.0
1.047	0.000	0.0
0.953	0.000	0.0
0.869	0.000	0.0
0.791	0.000	0.0
0.721	0.000	0.0
0.657	0.000	0.0
0.598	0.000	0.0
0.545	0.000	0.0
0.496	0.000	0.0
0.452	0.000	0.0
0.412	0.000	0.0
0.375	0.000	0.0
TOTALS:	**0.00**	**0.0**

Measure	Trask	Inman
Median, mm	N/A	N/A
Median, micron	N/A	N/A
Mean, mm	N/A	N/A
Mean, micron	N/A	N/A
Sorting	N/A	N/A
Skewness	N/A	N/A
Kurtosis	N/A	N/A

Cumulative Percent greater than		
Distribution percent	Particle Size	
	Micron	Millimeters
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A

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

TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

Established 1931

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REPORT

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

Attention: Tracy Collins
Sample: Liquid/15 Samples
Project Name: Sierra Project #0610335
Method : EPA 8015B
Investigation: Glycols

Laboratory No: 959903
Report Date: October 25, 2006
Sampling Date: October 14, 2006
Receiving Date: October 18, 2006
Analysis Date: October 25, 2006
Units: mg/L
Dilution Factor: 1
Reported By: MK

Analytical Results

Sample ID	Sample Description	Ethylene Glycol	Propylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
706263-MB	Method Blank	ND	ND	84.2	84.2%
959903-1	0610335-01	ND	ND	102	102%
959903-2	0610335-02	ND	ND	101	101%
959903-3	0610335-03	ND	ND	103	103%
959903-4	0610335-04	ND	ND	98.7	98.7%
959903-5	0610335-05	ND	ND	100	100%
959903-6	0610335-07	ND	ND	97.6	97.6%
959903-7	0610335-08	ND	ND	99.6	99.6%
959903-8	0610335-10	ND	ND	96.9	96.9%
959903-9	0610335-11	ND	ND	98.6	98.6%
959903-10	0610335-13	ND	ND	98.1	98.1%
959903-11	0610335-15	ND	ND	98.8	98.8%
959903-12	0610335-17	ND	ND	105	105%
959903-13	0610335-19	ND	ND	97.3	97.3%
959903-15	0610335-27	ND	ND	101	101%
959903-16	0610335-29	ND	ND	99.1	99.1%
Practical Quantitation Limits		50	50	Surrogate Conc. = 100	APR = 50-200%
Sample RLs		**50**	**50**		

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: Tracy Collins
Sample: Liquid/15 Samples
Project Name: Sierra Project #0610335
Method Number: EPA 8015B
Investigation: Glycols

QA/QC Batch No: 706263
Laboratory No: 959903
Report Date: October 25, 2006
Sampling Date: October 14, 2006
Receiving Date: October 18, 2006
Analysis Date: October 25, 2006
Units: mg/L
Reported By: MK

Quality Control/Quality Assurance Calibration Checks Report

Parameter	MRCVS Spiked Concentration	MRCVS Recovered Concentration	MRCVS Percent Difference	MRCVS Flag	MRCCS Spiked Concentration	MRCCS Recovered Concentration	MRCCS Percent Difference	MRCCS Flag
Ethylene Glycol	500	451	9.70%	PASS	500	461	7.80%	PASS
Propylene Glycol	500	407	18.6%	PASS	500	620	24.0%	PASS

Quality Control/Quality Assurance Spikes Report

Parameter	Spike Conc.	Recovered Concentration LCS	Recovered Concentration LCSD	Percent Recovery (%) LCS	Percent Recovery (%) LCSD	RPD (%)	Flag	Accuracy Control Limits RPD	Accuracy Control Limits % Recovery
Ethylene Glycol	500	444	465	88.9%	93.0%	4.56%	PASS	20	70-130
Propylene Glycol	500	585	593	117%	119%	1.27%	PASS	20	70-130

MRCVS: Mid Range Calibration Verification Standard
MRCCS: Mid Range Calibration Check Standard (second source)
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

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CHAIN OF CUSTODY RECORD

Date: 10 / 14 / 06 Page: 1 of 6

Lab Work Order No.: 0610335

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.: Nathan Schaedler

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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, ammonia, MBAS, O&G, TPH (jet fuel,motor oil,diesel)	Field Point Names / Comments
C-B01-1- 10-14-06	01	10-14-06	0535	STORMWATER	NONE	PLASTIC	2	X					
C-B01-1- 10-14-06			0535	STORMWATER	NONE	40ml VOA	2		X				
C-B01-1- 10-14-06			0535	STORMWATER	NONE	CLR GLASS	1			X			
C-B01-1- 10-14-06			0535	STORMWATER	NONE	AMBER GLASS	1				X		
C-B03-2- 10-14-06	02		0515	STORMWATER	NONE	PLASTIC	2	X					
C-B03-2- 10-14-06			0515	STORMWATER	NONE	40ml VOA	2		X				
C-B03-2-10-14-06			0515	STORMWATER	NONE	CLR GLASS	1			X			
C-B03-2- 10-14-06			0515	STORMWATER	NONE	AMBER GLASS	1				X		
C-B05-3- 10-14-06	03	10-14-06	03:25	STORMWATER	NONE	5 GALL GLASS	1					X	
C-B05-3- 10-14-06		10-14-06	03:25	STORMWATER	NONE	40ml VOA	2		X				

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

2 Relinquished By: David W. Farr — Date: 10-14-06 — Time: 4:07 — Company: MacTec — Received By: John Kemp — Date: 10/14/06 — Time: 4107 — Company: Sierra

3 Relinquished By: — Date: — Time: — Company: — 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) 4.0
☐ Sample Seals ☐ Preservatives - Verified By:
☒ Properly Labelled ☐ Other:
☒ Appropriate Sample Container ☒ Storage Location V-105

Rev: 021104

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

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CHAIN OF CUSTODY RECORD

Date: 10/14/06 Page: 2 of 6

Lab Work Order No.: 0610335

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.: Nathan Schaedler

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), 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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, ammonia, MBAS, O&G, TPH (jet fuel,motor oil,diesel)	Field Point Names / Comments
C-B05-4- 10-14-06	04	10-14-06	0550	STORMWATER	NONE	PLASTIC	2	X					
C-B05-4- 10-14-06			0550	STORMWATER	NONE	40ml VOA	2		X				
C-B05-4- 10-14-06			0550	STORMWATER	NONE	CLR GLASS	1			X			
C-B05-4- 10-14-06			0550	STORMWATER	NONE	AMBER GLASS	1				X		
C-B06-5- 10-14-06	05		0540	STORMWATER	NONE	PLASTIC	2	X					
C-B06-5- 10-14-06			0540	STORMWATER	NONE	40ml VOA	2		X				
C-B06-5- 10-14-06			0540	STORMWATER	NONE	CLR GLASS	1			X			
C-B06-5- 10-14-06			0540	STORMWATER	NONE	AMBER GLASS	1				X		
C-B09-10- 10-14-06	06	10-14-06	03:15	STORMWATER	NONE	5 GALL GLASS	1					X	
~~C-B09-10-~~				~~STORMWATER~~	~~NONE~~	~~40ml VOA~~	~~2~~		~~X~~				

Analyses Requested

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

Total Number of Containers Submitted to Laboratory

2 Relinquished By: Kevin W. Kam Date: 10-14-06 Received By: John Hoogs Date: 10/14/06
Company: MacTec Time: 4:07 Company: Sierra Time: 4107

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.

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Total Number of Containers Received by Laboratory

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

Special Instructions:

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 R105

Rev: 021104

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CHAIN OF CUSTODY RECORD

Date: 10/14/06 Page: 3 of 6

Lab Work Order No.: 0610335

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.:	Nattan Schoedler

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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, ammonia, MBAS, O&G, TPH (jet fuel,motor oil,diesel)	Field Point Names / Comments
C-B07-6- 10-14-06	07	10-14-06	02:35	STORMWATER	NONE	PLASTIC	2	X					
C-B07-6- 10-14-06			02:35	STORMWATER	NONE	40ml VOA	2		X				
C-B07-6- 10-14-06			02:35	STORMWATER	NONE	CLR GLASS	1			X			
C-B07-6- 10-14-06			02:35	STORMWATER	NONE	AMBER GLASS	1				X		
C-B07-7- 10-14-06	08		0615	STORMWATER	NONE	PLASTIC	2	X					
C-B07-7- 10-14-06			0615	STORMWATER	NONE	40ml VOA	2		X				
C-B07-7- 10-14-06			0615	STORMWATER	NONE	CLR GLASS	1			X			
C-B07-7- 10-14-06			0615	STORMWATER	NONE	AMBER GLASS	1				X		
S-B08-14/C-B08-8- 10-14-06	09		12:25	STORMWATER	NONE	5 GALL GLASS	1					X	
S-B08-14/C-B08-8- 10-14-06	10		03:20	STORMWATER	NONE	40ml VOA	2		X				

Geotracker EDD Info:
Client LOGCODE
Site Global ID

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

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: David McKern	Date: 10-14-06	Received By: John Douglas	Date: 10/14/06
Company: MacTec	Time: 4:07	Company: Sierra	Time: 4:07
3 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
4 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:

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* - 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 Labelled ☐ Other
☑ Appropriate Sample Container ☒ Storage Location 1405

Rev: 021104

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

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CHAIN OF CUSTODY RECORD

Date: 10/14/06 Page: 4 of 6

Lab Work Order No.: 0610335

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.: Nathan Schaedler

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), 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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	Field Point Names / Comments
C-B12-9- 10-14-06	11	10-14-06	03:00	STORMWATER	NONE	PLASTIC	2	X					
C-B12-9-10-14-06	12		03:00	STORMWATER	NONE	40ml VOA	2		X				
C-B12-9-10-14-06			03:00	STORMWATER	NONE	CLR GLASS	1			X			
C-B12-9- 10-14-06			03:00	STORMWATER	NONE	AMBER GLASS	1				X		
S-B08-1- 10-14-06	12		1205	STORMWATER	NONE	5 GALL GLASS	1					X	composite together with S-B08-2 and analyze as 1 sample
S-B08-1- 10-14-06	13		0230	STORMWATER	NONE	40ml VOA	2		X				
S-B08-2- 10-14-06	14		1215	STORMWATER	NONE	5 GALL GLASS	1					X	composite together with S-B08-1 and analyze as 1 sample
S-B08-2- 10-14-06	15		0238	STORMWATER	NONE	40ml VOA	2		X				
S-B09-3-10-14-06	16		1200	STORMWATER	NONE	5 GALL GLASS	1					X	composite together with S-B11-4 and analyze as 1 sample
S-B09-3-C-B09-10-10-14-06	17		0250	STORMWATER	NONE	40ml VOA	2		X				

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

Total Number of Containers Submitted to Laboratory

2 Relinquished By: Scott W. Kerr Date: 10-14-06 Received By: John Stangle Date: 10/14/06
Company: MacTec Time: 4:07 Company: Sierra Time: 16:07

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.

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Total Number of Containers Received by Laboratory

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

Special Instructions:

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 205

Rev: 021104

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

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

CHAIN OF CUSTODY RECORD

Date: 10/14/06 Page: 5 of 6

Lab Work Order No.: 0610335

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.: Nathan Schaedler

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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	Total & dissolved Cu and Zn						Field Point Names / Comments
S-B11-4-10-14-06	18	10-14-06	1210	STORMWATER	NONE	5 GALL GLASS	1					X							composite together with S-B09-3 and analyze as 1 sample
S-B11-4-10-14-06	19	↓	0250	STORMWATER	NONE	40ml VOA	2		X										
S-B05-5-10-14-06	20		1220	STORMWATER	NONE	5 GALL GLASS	1		[illegible]				X						
S-B05-5 10-14-06	21		0347			40ml VOA	2		X										
S-B07-6-10-14-06	22		02:27	STORMWATER	NONE	PLASTIC	1						X						
~~S-B12-7~~				~~STORMWATER~~	~~NONE~~	~~PLASTIC~~	~~1~~						~~X~~						
~~S-B08-8~~				~~STORMWATER~~	~~NONE~~	~~PLASTIC~~	~~1~~						~~X~~						
S-B08-9-10-14-06	23		0500	STORMWATER	NONE	PLASTIC	1						X						
S-B03-10-10-14-06	24		0530	STORMWATER	NONE	PLASTIC	1						X						
S-B06-11-10-14-06	25	↓	0515	STORMWATER	NONE	PLASTIC	1						X						

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

2 Relinquished By: [signature] Date: 10-14-06 Received By: [signature] Date: 10/14/06
Company: Mactec Time: 4:07 Company: Sierra Time: 4:07

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

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 R105

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: 10/14/06 Page: 6 of 6

Lab Work Order No.: 0610335

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.: Nathan Schaedler

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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn). diss(Cu,Zn) BOD, COD, O&G	O&G, SC, pH, TSS, total (Al, Cu, Fe, Pb, Zn), dissolved (Cu, Zn), BOD, COD, particle size distribution	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
S-B06-12- 10-14-06	26	10-14-06	1235	STORMWATER	NONE	5 GALL GLASS	1						X	
S-B06-12- 10-14-06	27	↓	0306	STORMWATER	NONE	40ml VOA	2		X					
S-B12-13- 10-14-06	28		1213	STORMWATER	NONE	5 GALL GLASS	1		X			X		
S-B12-13- 10-14-06	29	↓	0328	STORMWATER	NONE	40ml VOA	2		X					

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

2 Relinquished By: [signature] Date: 10/14/06 — Received By: [signature] Date: 10/14/06
Company: MacTec Time: 4:07 — Company: Sierra Time: 4:07

3 Relinquished By: Date: — Received By: Date:
Company: Time: — Company: Time:

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 Containers ☒ Storage Location RIDS

Rev: 021104

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

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1-12-17-06	0612343-01	Liquid	12/17/06 11:20	12/17/06 15:30
C-B03-2-12-17-06	0612343-02	Liquid	12/17/06 11:35	12/17/06 15:30
C-B05-3-12-16-06	0612343-03	Liquid	12/16/06 20:45	12/17/06 15:30
C-B05-4-12-16-06	0612343-04	Liquid	12/16/06 20:25	12/17/06 15:30
C-B06-5-12-17-06	0612343-05	Liquid	12/17/06 12:10	12/17/06 15:30
C-B07-6-12-16-06	0612343-06	Liquid	12/16/06 20:15	12/17/06 15:30
C-B07-7-12-17-06	0612343-07	Liquid	12/17/06 12:30	12/17/06 15:30
S-B08-14/C-B08-8-12-17-06	0612343-08	Liquid	12/17/06 08:36	12/17/06 15:30
S-B08-14/C-B08-8-12-17-06	0612343-09	Liquid	12/18/06 00:00	12/17/06 15:30
C-B12-9-12-16-06	0612343-10	Liquid	12/16/06 19:50	12/17/06 15:30
C-B09-10-12-16-06	0612343-11	Liquid	12/16/06 19:15	12/17/06 15:30
S-B08-1-12-17-06	0612343-13	Liquid	12/17/06 07:58	12/17/06 15:30
S-B08-2-12-17-06	0612343-15	Liquid	12/17/06 09:50	12/17/06 15:30
S-B11-4-12-17-06	0612343-18	Liquid	12/17/06 07:42	12/17/06 15:30
S-B05-5-12-17-06	0612343-19	Liquid	12/17/06 08:24	12/17/06 15:30
S-B07-6-12-16-06	0612343-20	Liquid	12/16/06 18:45	12/17/06 15:30
S-B08-8-12-16-06	0612343-21	Liquid	12/16/06 20:05	12/17/06 15:30
S-B08-9-12-17-06	0612343-22	Liquid	12/17/06 12:00	12/17/06 15:30
S-B03-10-12-17-06	0612343-23	Liquid	12/17/06 11:30	12/17/06 15:30
S-B06-11-12-17-06	0612343-24	Liquid	12/17/06 11:50	12/17/06 15:30
S-B06-12-12-17-06	0612343-25	Liquid	12/17/06 09:10	12/17/06 15:30
S-B06-12-12-17-06	0612343-26	Liquid	12/17/06 07:10	12/17/06 15:30
S-B12-13-12-17-06	0612343-27	Liquid	12/17/06 08:51	12/17/06 15:30
S-B12-13-12-17-06	0612343-28	Liquid	12/17/06 07:51	12/17/06 15:30
C-B12-9-12-16-06-DUP	0612343-29	Liquid	12/16/06 19:50	12/17/06 15:30
C-B05-4-12-16-06-BL	0612343-30	Liquid	12/16/06 20:35	12/17/06 15:30
S-B06-12-12-17-06-DUP	0612343-31	Liquid	12/17/06 09:10	12/17/06 15:30
S-B11-4-12-17-06-BL	0612343-32	Liquid	12/17/06 09:42	12/17/06 15:30
S-B08-1/S-B08-2 Composite	0612343-33	Liquid	12/17/06 09:58	12/17/06 15:30
S-B09-3/S-B11-4 Composite	0612343-34	Liquid	12/17/06 09:42	12/17/06 15:30

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

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 otherwise 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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	**Sampled: 12/17/06 11:20**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.830**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**43.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**129**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**184**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.180**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**2.20**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.40**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**23.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B03-2-12-17-06 (0612343-02) Liquid	**Sampled: 12/17/06 11:35**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.370**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**32.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**87.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**117**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.200**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**2.50**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.60**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**25.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-3-12-16-06 (0612343-03) Liquid	**Sampled: 12/16/06 20:45**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.180**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**25.8**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**47.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**101**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.120**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**2.00**	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**30.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-12-16-06 (0612343-04) Liquid	**Sampled: 12/16/06 20:25**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.960**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**71.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**163**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**69.3**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.160**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**4.60**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.60**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**54.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B06-5-12-17-06 (0612343-05) Liquid	**Sampled: 12/17/06 12:10**		**Received: 12/17/06 15:30**						
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**66.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**120**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**247**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.220**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**5.10**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.30**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**58.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B07-6-12-16-06 (0612343-06) Liquid	**Sampled: 12/16/06 20:15**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.240**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**47.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**121**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**119**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.110**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**3.80**	1.00	"	"	"	"	"	EPA 413.1	
pH	**6.40**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**32.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-12-17-06 (0612343-07) Liquid	**Sampled: 12/17/06 12:30**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.260**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**65.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**182**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**272**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.170**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**2.30**	1.00	"	"	"	"	"	EPA 413.1	
pH	**5.90**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**46.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B08-14/C-B08-8-12-17-06 (0612343-08) Liquid	**Sampled: 12/17/06 08:36**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.120**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**18.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**47.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**182**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.0900**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	ND	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**12.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B12-9-12-16-06 (0612343-10) Liquid	**Sampled: 12/16/06 19:50**		**Received: 12/17/06 15:30**						
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**148**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**389**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**10400**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.100**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**1.40**	1.00	"	"	"	"	"	EPA 413.1	
pH	**6.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**114**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B09-10-12-16-06 (0612343-11) Liquid	**Sampled: 12/16/06 19:15**		**Received: 12/17/06 15:30**						
Ammonia as N	**0.140**	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**35.0**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**101**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**364**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**2.00**	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**27.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-12-17-06 (0612343-25) Liquid	**Sampled: 12/17/06 09:10**		**Received: 12/17/06 15:30**						
Biochemical Oxygen Demand	**13.4**	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**29.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**107**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**7.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**6.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B12-13-12-17-06 (0612343-27) Liquid	**Sampled: 12/17/06 08:51**		**Received: 12/17/06 15:30**						
Biochemical Oxygen Demand	**10.4**	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**30.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**194**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**7.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**6.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06-DUP (0612343-29) Liquid	**Sampled: 12/16/06 19:50 Received: 12/17/06 15:30**								
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	**159**	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**393**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**9940**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	**0.0900**	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	**1.50**	1.00	"	"	"	"	"	EPA 413.1	
pH	**6.80**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**108**	1.00	mg/L	"	"	"	"	EPA 160.2	
C-B05-4-12-16-06-BL (0612343-30) Liquid	**Sampled: 12/16/06 20:35 Received: 12/17/06 15:30**								
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**5.00**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**19.6**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	"	"	EPA 425.1	
Oil & Grease	ND	1.00	"	"	"	"	"	EPA 413.1	
pH	**7.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B06-12-12-17-06-DUP (0612343-31) Liquid	**Sampled: 12/17/06 09:10 Received: 12/17/06 15:30**								
Biochemical Oxygen Demand	**12.8**	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**26.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**107**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**7.00**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**5.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B11-4-12-17-06-BL (0612343-32) Liquid Sampled: 12/17/06 09:42 Received: 12/17/06 15:30									
Biochemical Oxygen Demand	ND	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**4.00**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**1.67**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**6.30**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B08-1/S-B08-2 Composite (0612343-33) Liquid Sampled: 12/17/06 09:58 Received: 12/17/06 15:30									
Biochemical Oxygen Demand	**38.0**	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**96.0**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**145**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**1.30**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**5.50**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**26.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
S-B09-3/S-B11-4 Composite (0612343-34) Liquid Sampled: 12/17/06 09:42 Received: 12/17/06 15:30									
Biochemical Oxygen Demand	**43.0**	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	**136**	0.100	"	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	**160**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Oil & Grease	**1.50**	1.00	mg/L	"	"	"	"	EPA 413.1	
pH	**5.70**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**30.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	**Sampled: 12/17/06 11:20**		**Received: 12/17/06 15:30**						
Aluminum	**1500**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**200**	2.0	"	"	"	"	"	"	
Iron	**1.9**	0.040	mg/L	"	"	"	"	"	
Lead	**12**	2.0	µg/L	"	"	"	"	"	
Zinc	**250**	2.0	"	"	"	"	"	"	
C-B03-2-12-17-06 (0612343-02) Liquid	**Sampled: 12/17/06 11:35**		**Received: 12/17/06 15:30**						
Aluminum	**1500**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**310**	2.0	"	"	"	"	"	"	
Iron	**2.1**	0.040	mg/L	"	"	"	"	"	
Lead	**20**	2.0	µg/L	"	"	"	"	"	
Zinc	**220**	2.0	"	"	"	"	"	"	
C-B05-3-12-16-06 (0612343-03) Liquid	**Sampled: 12/16/06 20:45**		**Received: 12/17/06 15:30**						
Aluminum	**2000**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**19**	2.0	"	"	"	"	"	"	
Iron	**2.0**	0.040	mg/L	"	"	"	"	"	
Lead	**16**	2.0	µg/L	"	"	"	"	"	
Zinc	**140**	2.0	"	"	"	"	"	"	
C-B05-4-12-16-06 (0612343-04) Liquid	**Sampled: 12/16/06 20:25**		**Received: 12/17/06 15:30**						
Aluminum	**990**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**150**	2.0	"	"	"	"	"	"	
Iron	**1.3**	0.040	mg/L	"	"	"	"	"	
Lead	**4.7**	2.0	µg/L	"	"	"	"	"	
Zinc	**74**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-17-06 (0612343-05) Liquid	**Sampled: 12/17/06 12:10**		**Received: 12/17/06 15:30**						
Aluminum	**1500**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**300**	2.0	"	"	"	"	"	"	
Iron	**1.8**	0.040	mg/L	"	"	"	"	"	
Lead	**7.3**	2.0	µg/L	"	"	"	"	"	
Zinc	**220**	2.0	"	"	"	"	"	"	
C-B07-6-12-16-06 (0612343-06) Liquid	**Sampled: 12/16/06 20:15**		**Received: 12/17/06 15:30**						
Aluminum	**110**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**100**	2.0	"	"	"	"	"	"	
Iron	**1.8**	0.040	mg/L	"	"	"	"	"	
Lead	**5.1**	2.0	µg/L	"	"	"	"	"	
Zinc	**830**	2.0	"	"	"	"	"	"	
C-B07-7-12-17-06 (0612343-07) Liquid	**Sampled: 12/17/06 12:30**		**Received: 12/17/06 15:30**						
Aluminum	**2000**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**210**	2.0	"	"	"	"	"	"	
Iron	**3.0**	0.040	mg/L	"	"	"	"	"	
Lead	**23**	2.0	µg/L	"	"	"	"	"	
Zinc	**760**	2.0	"	"	"	"	"	"	
S-B08-14/C-B08-8-12-17-06 (0612343-08) Liquid	**Sampled: 12/17/06 08:36**		**Received: 12/17/06 15:30**						
Aluminum	ND	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**74**	2.0	"	"	"	"	"	"	
Iron	ND	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**120**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06 (0612343-10) Liquid	**Sampled: 12/16/06 19:50**		**Received: 12/17/06 15:30**						
Aluminum	**100**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**42**	2.0	"	"	"	"	"	"	
Iron	**0.26**	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**160**	2.0	"	"	"	"	"	"	
C-B09-10-12-16-06 (0612343-11) Liquid	**Sampled: 12/16/06 19:15**		**Received: 12/17/06 15:30**						
Aluminum	**950**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**100**	2.0	"	"	"	"	"	"	
Iron	**1.3**	0.040	mg/L	"	"	"	"	"	
Lead	**5.4**	2.0	µg/L	"	"	"	"	"	
Zinc	**240**	2.0	"	"	"	"	"	"	
S-B05-5-12-17-06 (0612343-19) Liquid	**Sampled: 12/17/06 08:24**		**Received: 12/17/06 15:30**						
Copper	**23**	2.0	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	**180**	2.0	"	"	"	"	"	"	
S-B07-6-12-16-06 (0612343-20) Liquid	**Sampled: 12/16/06 18:45**		**Received: 12/17/06 15:30**						
Copper	**570**	2.0	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	**6500**	2.0	"	"	"	"	"	"	
S-B08-8-12-16-06 (0612343-21) Liquid	**Sampled: 12/16/06 20:05**		**Received: 12/17/06 15:30**						
Copper	**590**	2.0	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	**240**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-9-12-17-06 (0612343-22) Liquid	**Sampled: 12/17/06 12:00**		**Received: 12/17/06 15:30**						
Copper	**210**	2.0	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	**86**	2.0	"	"	"	"	"	"	
S-B03-10-12-17-06 (0612343-23) Liquid	**Sampled: 12/17/06 11:30**		**Received: 12/17/06 15:30**						
Copper	**500**	2.0	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	**130**	2.0	"	"	"	"	"	"	
S-B06-11-12-17-06 (0612343-24) Liquid	**Sampled: 12/17/06 11:50**		**Received: 12/17/06 15:30**						
Copper	**540**	2.0	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	**160**	2.0	"	"	"	"	"	"	
S-B06-12-12-17-06 (0612343-25) Liquid	**Sampled: 12/17/06 09:10**		**Received: 12/17/06 15:30**						
Aluminum	ND	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**13**	2.0	"	"	"	"	"	"	
Iron	ND	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**43**	2.0	"	"	"	"	"	"	
S-B12-13-12-17-06 (0612343-27) Liquid	**Sampled: 12/17/06 08:51**		**Received: 12/17/06 15:30**						
Aluminum	**82**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**35**	2.0	"	"	"	"	"	"	
Iron	**0.053**	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**53**	2.0	"	"	"	"	"	"	

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

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06-DUP (0612343-29) Liquid	**Sampled: 12/16/06 19:50 Received: 12/17/06 15:30**								
Aluminum	**200**	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	**43**	2.0	"	"	"	"	"	"	
Iron	**0.51**	0.040	mg/L	"	"	"	"	"	
Lead	**5.9**	2.0	µg/L	"	"	"	"	"	
Zinc	**140**	2.0	"	"	"	"	"	"	
C-B05-4-12-16-06-BL (0612343-30) Liquid	**Sampled: 12/16/06 20:35 Received: 12/17/06 15:30**								
Aluminum	ND	50	µg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**14**	2.0	"	"	"	"	"	"	
S-B06-12-12-17-06-DUP (0612343-31) Liquid	**Sampled: 12/17/06 09:10 Received: 12/17/06 15:30**								
Aluminum	ND	50	µg/L	2	B6L2205	12/22/06	12/27/06	EPA 200.8	
Copper	**14**	2.0	"	"	"	"	"	"	
Iron	ND	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	**41**	2.0	"	"	"	"	"	"	
S-B11-4-12-17-06-BL (0612343-32) Liquid	**Sampled: 12/17/06 09:42 Received: 12/17/06 15:30**								
Aluminum	ND	50	µg/L	2	B6L2205	12/22/06	12/27/06	EPA 200.8	
Copper	ND	2.0	"	"	"	"	"	"	
Iron	ND	0.040	mg/L	"	"	"	"	"	
Lead	ND	2.0	µg/L	"	"	"	"	"	
Zinc	ND	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-1/S-B08-2 Composite (0612343-33) Liquid Sampled: 12/17/06 09:58 Received: 12/17/06 15:30									
Aluminum	**1700**	50	µg/L	2	B6L2205	12/22/06	12/28/06	EPA 200.8	
Copper	**54**	2.0	"	"	"	"	"	"	
Iron	**2.4**	0.040	mg/L	"	"	"	"	"	
Lead	**15**	2.0	µg/L	"	"	"	"	"	
Zinc	**220**	2.0	"	"	"	"	"	"	
S-B09-3/S-B11-4 Composite (0612343-34) Liquid Sampled: 12/17/06 09:42 Received: 12/17/06 15:30									
Aluminum	**1600**	50	µg/L	2	B6L2205	12/22/06	12/27/06	EPA 200.8	
Copper	**49**	2.0	"	"	"	"	"	"	
Iron	**2.5**	0.040	mg/L	"	"	"	"	"	
Lead	**19**	2.0	µg/L	"	"	"	"	"	
Zinc	**250**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	**Sampled: 12/17/06 11:20**		**Received: 12/17/06 15:30**						
Copper	**140**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**200**	2.0	"	"	"	"	"	"	
C-B03-2-12-17-06 (0612343-02) Liquid	**Sampled: 12/17/06 11:35**		**Received: 12/17/06 15:30**						
Copper	**160**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**130**	2.0	"	"	"	"	"	"	
C-B05-3-12-16-06 (0612343-03) Liquid	**Sampled: 12/16/06 20:45**		**Received: 12/17/06 15:30**						
Copper	**4.3**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**7.3**	2.0	"	"	"	"	"	"	
C-B05-4-12-16-06 (0612343-04) Liquid	**Sampled: 12/16/06 20:25**		**Received: 12/17/06 15:30**						
Copper	**100**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**43**	2.0	"	"	"	"	"	"	
C-B06-5-12-17-06 (0612343-05) Liquid	**Sampled: 12/17/06 12:10**		**Received: 12/17/06 15:30**						
Copper	**240**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**170**	2.0	"	"	"	"	"	"	
C-B07-6-12-16-06 (0612343-06) Liquid	**Sampled: 12/16/06 20:15**		**Received: 12/17/06 15:30**						
Copper	**45**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**500**	2.0	"	"	"	"	"	"	
C-B07-7-12-17-06 (0612343-07) Liquid	**Sampled: 12/17/06 12:30**		**Received: 12/17/06 15:30**						
Copper	**55**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**450**	2.0	"	"	"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-14/C-B08-8-12-17-06 (0612343-08) Liquid	**Sampled: 12/17/06 08:36**		**Received: 12/17/06 15:30**						
Copper	**54**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**120**	2.0	"	"	"	"	"	"	
C-B12-9-12-16-06 (0612343-10) Liquid	**Sampled: 12/16/06 19:50**		**Received: 12/17/06 15:30**						
Copper	**9.2**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**150**	2.0	"	"	"	"	"	"	
C-B09-10-12-16-06 (0612343-11) Liquid	**Sampled: 12/16/06 19:15**		**Received: 12/17/06 15:30**						
Copper	**82**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**180**	2.0	"	"	"	"	"	"	
S-B05-5-12-17-06 (0612343-19) Liquid	**Sampled: 12/17/06 08:24**		**Received: 12/17/06 15:30**						
Copper	**4.4**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**6.0**	2.0	"	"	"	"	"	"	
S-B07-6-12-16-06 (0612343-20) Liquid	**Sampled: 12/16/06 18:45**		**Received: 12/17/06 15:30**						
Copper	**150**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**5600**	2.0	"	"	"	"	"	"	
S-B08-8-12-16-06 (0612343-21) Liquid	**Sampled: 12/16/06 20:05**		**Received: 12/17/06 15:30**						
Copper	**480**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**180**	2.0	"	"	"	"	"	"	
S-B08-9-12-17-06 (0612343-22) Liquid	**Sampled: 12/17/06 12:00**		**Received: 12/17/06 15:30**						
Copper	**170**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**71**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B03-10-12-17-06 (0612343-23) Liquid	**Sampled: 12/17/06 11:30**		**Received: 12/17/06 15:30**						
Copper	**420**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**110**	2.0	"	"	"	"	"	"	
S-B06-11-12-17-06 (0612343-24) Liquid	**Sampled: 12/17/06 11:50**		**Received: 12/17/06 15:30**						
Copper	**190**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**120**	2.0	"	"	"	"	"	"	
S-B06-12-12-17-06 (0612343-25) Liquid	**Sampled: 12/17/06 09:10**		**Received: 12/17/06 15:30**						
Copper	**8.0**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**45**	2.0	"	"	"	"	"	"	
S-B12-13-12-17-06 (0612343-27) Liquid	**Sampled: 12/17/06 08:51**		**Received: 12/17/06 15:30**						
Copper	**27**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**51**	2.0	"	"	"	"	"	"	
C-B12-9-12-16-06-DUP (0612343-29) Liquid	**Sampled: 12/16/06 19:50**		**Received: 12/17/06 15:30**						
Copper	**4.6**	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	**110**	2.0	"	"	"	"	"	"	
C-B05-4-12-16-06-BL (0612343-30) Liquid	**Sampled: 12/16/06 20:35**		**Received: 12/17/06 15:30**						
Copper	ND	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	ND	2.0	"	"	"	"	"	"	
S-B06-12-12-17-06-DUP (0612343-31) Liquid	**Sampled: 12/17/06 09:10**		**Received: 12/17/06 15:30**						
Copper	**11**	2.0	µg/L	2	B6L2208	12/22/06	12/27/06	EPA 200.8	
Zinc	**41**	2.0	"	"	"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-1/S-B08-2 Composite (0612343-33) Liquid	**Sampled: 12/17/06 09:58**		**Received: 12/17/06 15:30**						
Copper	**22**	2.0	µg/L	2	B6L2208	12/22/06	12/27/06	EPA 200.8	
Zinc	**94**	2.0	"	"	"	"	"	"	
S-B09-3/S-B11-4 Composite (0612343-34) Liquid	**Sampled: 12/17/06 09:42**		**Received: 12/17/06 15:30**						
Copper	**18**	2.0	µg/L	2	B6L2208	12/22/06	12/27/06	EPA 200.8	
Zinc	**100**	2.0	"	"	"	"	"	"	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	**Sampled: 12/17/06 11:20**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**0.85**	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.89**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
C-B03-2-12-17-06 (0612343-02) Liquid	**Sampled: 12/17/06 11:35**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**0.47**	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.61**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
C-B05-3-12-16-06 (0612343-03) Liquid	**Sampled: 12/16/06 20:45**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	
Surrogate: o-Terphenyl		*96.2 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*96.2 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.67**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*96.2 %*	*60-175*		"	"	"	"	
C-B05-4-12-16-06 (0612343-04) Liquid	**Sampled: 12/16/06 20:25**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.7**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-17-06 (0612343-05) Liquid	**Sampled: 12/17/06 12:10**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**0.97**	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*133 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*133 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.1**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*133 %*	*60-175*		"	"	"	"	
C-B07-6-12-16-06 (0612343-06) Liquid	**Sampled: 12/16/06 20:15**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**2.7**	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*112 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*112 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**2.1**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*112 %*	*60-175*		"	"	"	"	
C-B07-7-12-17-06 (0612343-07) Liquid	**Sampled: 12/17/06 12:30**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**2.1**	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*82.7 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*82.7 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**1.6**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*82.7 %*	*60-175*		"	"	"	"	
S-B08-14/C-B08-8-12-17-06 (0612343-08) Liquid	**Sampled: 12/17/06 08:36**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**1.2**	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*105 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.73**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*105 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06 (0612343-10) Liquid	**Sampled: 12/16/06 19:50**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**3.8**	0.10	mg/L	2	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.10	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**2.7**	0.10	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
C-B09-10-12-16-06 (0612343-11) Liquid	**Sampled: 12/16/06 19:15**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**1.8**	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**2.1**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*121 %*	*60-175*		"	"	"	"	
C-B12-9-12-16-06-DUP (0612343-29) Liquid	**Sampled: 12/16/06 19:50**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	**4.5**	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		*68.6 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*68.6 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**3.7**	0.050	"	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		*68.6 %*	*60-175*		"	"	"	"	
C-B05-4-12-16-06-BL (0612343-30) Liquid	**Sampled: 12/16/06 20:35**		**Received: 12/17/06 15:30**						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	
Jet-A	ND	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**0.12**	0.050	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7A0555 - General Preparation										
Blank (B7A0555-BLK1)				Prepared & Analyzed: 12/17/06						
Ammonia as N	ND	0.100	mg/L							
Biochemical Oxygen Demand	ND	2.00	"							
Chemical Oxygen Demand	ND	0.100	"							
Methylene Blue Active Substances	ND	0.0500	"							
Oil & Grease	ND	1.00	"							
pH	ND	0.100	pH Units							
Specific Conductance (EC)	ND	0.100	µmhos/cm							
Total Suspended Solids	ND	1.00	mg/L							
Calibration Check (B7A0555-CCV1)				Prepared & Analyzed: 12/17/06						
Ammonia as N	0.480		mg/L	0.500		96.0	80-120			
Biochemical Oxygen Demand	204		"	200		102	80-120			
Chemical Oxygen Demand	310		"	300		103	80-120			
Methylene Blue Active Substances	0.180		"	0.200		90.0	80-120			
Duplicate (B7A0555-DUP1)		**Source: 0612343-01**		Prepared & Analyzed: 12/17/06						
Ammonia as N	0.800	0.100	mg/L		0.830			3.68	15	
Biochemical Oxygen Demand	47.0	2.00	"		43.0			8.89	30	
Chemical Oxygen Demand	135	0.100	"		129			4.55	15	
Methylene Blue Active Substances	0.200	0.0500	"		0.180			10.5	15	
Oil & Grease	2.00	1.00	"		2.20			9.52	15	
pH	5.30	0.100	pH Units		5.40			1.87	15	
Specific Conductance (EC)	190	0.100	µmhos/cm		184			3.21	15	
Total Suspended Solids	25.0	1.00	mg/L		23.0			8.33	15	
Duplicate (B7A0555-DUP2)		**Source: 0612343-34**		Prepared & Analyzed: 12/17/06						
Ammonia as N	0.130	0.100	mg/L		0.140			7.41	15	
Biochemical Oxygen Demand	45.0	2.00	"		43.0			4.55	30	
Chemical Oxygen Demand	130	0.100	"		136			4.51	15	
Methylene Blue Active Substances	0.0800	0.0500	"		0.0900			11.8	15	
Oil & Grease	1.70	1.00	"		1.50			12.5	15	
pH	5.80	0.100	pH Units		5.70			1.74	15	
Specific Conductance (EC)	153	0.100	µmhos/cm		160			4.47	15	
Total Suspended Solids	32.0	1.00	mg/L		30.0			6.45	15	

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7A0555 - General Preparation										
Reference (B7A0555-SRM1)				Prepared & Analyzed: 12/17/06						
Ammonia as N	0.490	0.100	mg/L	0.500		98.0	80-120			
Biochemical Oxygen Demand	204	2.00	"	200		102	80-120			
Chemical Oxygen Demand	294	0.100	"	300		98.0	80-120			
Methylene Blue Active Substances	0.210	0.0500	"	0.200		105	80-120			

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MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 B6L2203 - EPA 200 Series										
Blank (B6L2203-BLK1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.040	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							
Blank (B6L2203-BLK2)				Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.040	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6L2203-BS1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	104	50	µg/L	100		104	85-115			
Copper	104	2.0	"	100		104	85-115			
Iron	1.01	0.040	mg/L	1.00		101	85-115			
Lead	108	2.0	µg/L	100		108	85-115			
Zinc	104	2.0	"	100		104	85-115			
LCS (B6L2203-BS2)				Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	114	50	µg/L	100		114	85-115			
Copper	99.8	2.0	"	100		99.8	85-115			
Iron	0.986	0.040	mg/L	1.00		98.6	85-115			
Lead	103	2.0	µg/L	100		103	85-115			
Zinc	105	2.0	"	100		105	85-115			
Matrix Spike (B6L2203-MS1)	**Source: 0612343-01**			Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	1680	50	µg/L	100	1500	180	70-130			QM-07
Copper	296	2.0	"	100	200	96.0	70-130			
Iron	2.76	0.040	mg/L	1.00	1.9	86.0	70-130			
Lead	116	2.0	µg/L	100	12	104	70-130			
Zinc	418	2.0	"	100	250	168	70-130			QM-07

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 B6L2203 - EPA 200 Series										
Matrix Spike (B6L2203-MS2)	**Source: 0612343-19**			Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	1730	50	µg/L	100	3000	NR	70-130			QM-07
Copper	112	2.0	"	100	23	89.0	70-130			
Iron	2.45	0.040	mg/L	1.00	2.9	NR	70-130			QM-07
Lead	112	2.0	µg/L	100	22	90.0	70-130			
Zinc	198	2.0	"	100	180	18.0	70-130			QM-07
Matrix Spike Dup (B6L2203-MSD1)	**Source: 0612343-01**			Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	1800	50	µg/L	100	1500	300	70-130	6.90	20	QM-07
Copper	296	2.0	"	100	200	96.0	70-130	0.00	20	
Iron	2.90	0.040	mg/L	1.00	1.9	100	70-130	4.95	20	
Lead	114	2.0	µg/L	100	12	102	70-130	1.74	20	
Zinc	353	2.0	"	100	250	103	70-130	16.9	20	
Matrix Spike Dup (B6L2203-MSD2)	**Source: 0612343-19**			Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	1620	50	µg/L	100	3000	NR	70-130	6.57	20	QM-07
Copper	108	2.0	"	100	23	85.0	70-130	3.64	20	
Iron	2.31	0.040	mg/L	1.00	2.9	NR	70-130	5.88	20	QM-07
Lead	109	2.0	µg/L	100	22	87.0	70-130	2.71	20	
Zinc	187	2.0	"	100	180	7.00	70-130	5.71	20	QM-07
Batch B6L2205 - EPA 200 Series										
Blank (B6L2205-BLK1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	ND	50	µg/L							
Copper	ND	2.0	"							
Iron	ND	0.040	mg/L							
Lead	ND	2.0	µg/L							
Zinc	ND	2.0	"							

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 B6L2205 - EPA 200 Series										
LCS (B6L2205-BS1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	89.3	50	µg/L	100		89.3	85-115			
Copper	97.7	2.0	"	100		97.7	85-115			
Iron	0.920	0.040	mg/L	1.00		92.0	85-115			
Lead	103	2.0	µg/L	100		103	85-115			
Zinc	104	2.0	"	100		104	85-115			
Matrix Spike (B6L2205-MS1)	**Source: 0612343-31**			Prepared: 12/22/06 Analyzed: 12/28/06						
Aluminum	90.2	50	µg/L	100	28	62.2	70-130			QM-07
Copper	98.4	2.0	"	100	14	84.4	70-130			
Iron	0.888	0.040	mg/L	1.00	ND	88.8	70-130			
Lead	104	2.0	µg/L	100	ND	104	70-130			
Zinc	104	2.0	"	100	41	63.0	70-130			QM-07
Matrix Spike Dup (B6L2205-MSD1)	**Source: 0612343-31**			Prepared: 12/22/06 Analyzed: 12/27/06						
Aluminum	126	50	µg/L	100	28	98.0	70-130	33.1	20	QM-07
Copper	111	2.0	"	100	14	97.0	70-130	12.0	20	
Iron	0.972	0.040	mg/L	1.00	ND	97.2	70-130	9.03	20	
Lead	104	2.0	µg/L	100	ND	104	70-130	0.00	20	
Zinc	140	2.0	"	100	41	99.0	70-130	29.5	20	QM-07

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 B6L2207 - EPA 200 Series										
Blank (B6L2207-BLK1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	ND	2.0	µg/L							
Zinc	ND	2.0	"							
Blank (B6L2207-BLK2)				Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6L2207-BS1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	101	2.0	µg/L	100		101	85-115			
Zinc	105	2.0	"	100		105	85-115			
LCS (B6L2207-BS2)				Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	98.4	2.0	µg/L	100		98.4	85-115			
Zinc	105	2.0	"	100		105	85-115			
Matrix Spike (B6L2207-MS1)	**Source: 0612343-01**			Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	252	2.0	µg/L	100	140	112	70-130			
Zinc	297	2.0	"	100	200	97.0	70-130			
Matrix Spike (B6L2207-MS2)	**Source: 0612343-19**			Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	105	2.0	µg/L	100	4.4	101	70-130			
Zinc	108	2.0	"	100	6.0	102	70-130			
Matrix Spike Dup (B6L2207-MSD1)	**Source: 0612343-01**			Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	251	2.0	µg/L	100	140	111	70-130	0.398	20	
Zinc	295	2.0	"	100	200	95.0	70-130	0.676	20	
Matrix Spike Dup (B6L2207-MSD2)	**Source: 0612343-19**			Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	106	2.0	µg/L	100	4.4	102	70-130	0.948	20	
Zinc	113	2.0	"	100	6.0	107	70-130	4.52	20	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 B6L2208 - EPA 200 Series										
Blank (B6L2208-BLK1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	ND	2.0	µg/L							
Zinc	ND	2.0	"							
LCS (B6L2208-BS1)				Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	101	2.0	µg/L	100		101	85-115			
Zinc	109	2.0	"	100		109	85-115			
Matrix Spike (B6L2208-MS1)	**Source: 0612343-31**			Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	107	2.0	µg/L	100	11	96.0	70-130			
Zinc	137	2.0	"	100	41	96.0	70-130			
Matrix Spike Dup (B6L2208-MSD1)	**Source: 0612343-31**			Prepared: 12/22/06 Analyzed: 12/27/06						
Copper	110	2.0	µg/L	100	11	99.0	70-130	2.76	20	
Zinc	145	2.0	"	100	41	104	70-130	5.67	20	

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SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

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 B6L2803 - EPA 3510C Sep Funnel										
Blank (B6L2803-BLK1)				Prepared & Analyzed: 12/22/06						
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	*0.138*		"	*0.100*		*138*	*60-175*			
Surrogate: o-Terphenyl	*0.138*		"	*0.100*		*138*	*60-175*			
Surrogate: o-Terphenyl	*0.138*		"	*0.100*		*138*	*60-175*			
LCS (B6L2803-BS1)				Prepared & Analyzed: 12/22/06						
Diesel Range Organics (C10-C24)	0.468	0.050	mg/L	0.500		93.6	80-120			
Diesel Range Organics (C10-C24)	0.468	0.050	"	0.500		93.6	80-120			
Diesel Range Organics (C10-C24)	0.468	0.050	"	0.500		93.6	80-120			
Matrix Spike (B6L2803-MS1)		**Source: 0612343-30**		Prepared & Analyzed: 12/22/06						
Diesel Range Organics (C10-C24)	0.488	0.050	mg/L	0.500	ND	97.6	50-150			
Diesel Range Organics (C10-C24)	0.488	0.050	"	0.500	ND	97.6	50-150			
Diesel Range Organics (C10-C24)	0.488	0.050	"	0.500	ND	97.6	50-150			
Matrix Spike Dup (B6L2803-MSD1)		**Source: 0612343-30**		Prepared & Analyzed: 12/22/06						
Diesel Range Organics (C10-C24)	0.472	0.050	mg/L	0.500	ND	94.4	50-150	3.33	30	
Diesel Range Organics (C10-C24)	0.472	0.050	"	0.500	ND	94.4	50-150	3.33	30	
Diesel Range Organics (C10-C24)	0.472	0.050	"	0.500	ND	94.4	50-150	3.33	30	

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07

Notes and Definitions

D-40	Sample appears to be a mixture of fuel hydrocarbons. Diesel Range Organics (C10-C24) reported.
D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
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TRUESDAIL LABORATORIES, INC.

INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

Established 1931

14201 FRANKLIN AVENUE · TUSTIN, CALIFORNIA 92780-7008
(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: Tracy Collins
Sample: Liquid/17 Samples
Project Name: Sierra Project #0612343
Method : EPA 8015B
Investigation: Glycols

Laboratory No: 961688
Report Date: December 22, 2006
Sampling Date: December 16-18, 2006
Receiving Date: December 19, 2006
Analysis Date: December 20-21, 2006
Units: mg/L
Dilution Factor: 2
Reported By: MK

Analytical Results

Sample ID	Sample Description	Ethylene Glycol	Propylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
706389-MB	Method Blank	ND	ND	99.4	99.4%
961688-1	0612343-01 CB01-1	ND	ND	165	82.4%
961688-2	0612343-02 CB03-2	ND	ND	174	86.9%
961688-3	0612343-03 CB05-3	ND	ND	165	82.5%
961688-4	0612343-04 CB05-4	ND	ND	187	93.7%
961688-5	0612343-05 CB06-5	ND	ND	160	80.0%
961688-6	0612343-06 CB07-6	ND	ND	168	83.9%
961688-7	0612343-07 CB07-7	ND	ND	234	117%
961688-8	0612343-09	ND	ND	243	121%
961688-9	0612343-10	ND	ND	243	121%
961688-10	0612343-11	ND	ND	217	109%
961688-11	0612343-13	ND	ND	205	103%
961688-12	0612343-15	ND	ND	220	110%
961688-13	0612343-18	ND	ND	214	107%
961688-14	0612343-26	ND	ND	207	103%
961688-15	0612343-28 CB05-9	ND	ND	210	105%
961688-16	0612343-29	ND	ND	212	106%
961688-17	0612343-30	ND	ND	214	107%
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: Tracy Collins
Sample: Liquid/17 Samples
Project Name: Sierra Project #0612343
Method Number: EPA 8015B
Investigation: Glycols

QA/QC Batch No: 706389
Laboratory No: 961688
Report Date: December 22, 2006
Sampling Date: December 16-18, 2006
Receiving Date: December 19, 2006
Analysis Date: December 20-21, 2006
Units: mg/L
Reported By: MK

Quality Control/Quality Assurance Calibration Checks Report

Parameter	MRCVS - 12/20/06 Spiked Concentration	Recovered Concentration	Percent Difference	Flag	MRCVS - 12/21/06 Spiked Concentration	Recovered Concentration	Percent Difference	Flag
Ethylene Glycol	50.0	41.3	17.3%	PASS	50.0	40.7	18.6%	PASS
Propylene Glycol	50.0	40.0	20.0%	PASS	50.0	42.2	15.6%	PASS

Quality Control/Quality Assurance Spikes Report

Parameter	LCS/LCSD - 12/20/06 Spike Conc.	Recovered Concentration LCS	Recovered Concentration LCSD	Percent Recovery (%) LCS	Percent Recovery (%) LCSD	RPD (%)	Flag	LCS/LCSD - 12/21/06 Recovered Concentration LCS	Recovered Concentration LCSD	Percent Recovery (%) LCS	Percent Recovery (%) LCSD	RPD (%)	Flag	Accuracy Control Limits RPD	Accuracy Control Limits % Recovery
Ethylene Glycol	50.0	49.2	45.5	98.5%	91.0%	7.85%	PASS	46.0	52.2	92.0%	104%	12.6%	PASS	20	70-130
Propylene Glycol	50.0	48.4	43.7	96.9%	87.5%	10.2%	PASS	44.7	49.5	89.4%	99.1%	10.2%	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.

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D4464M)

PROJECT NAME: N/A
PROJECT NO: 0612343

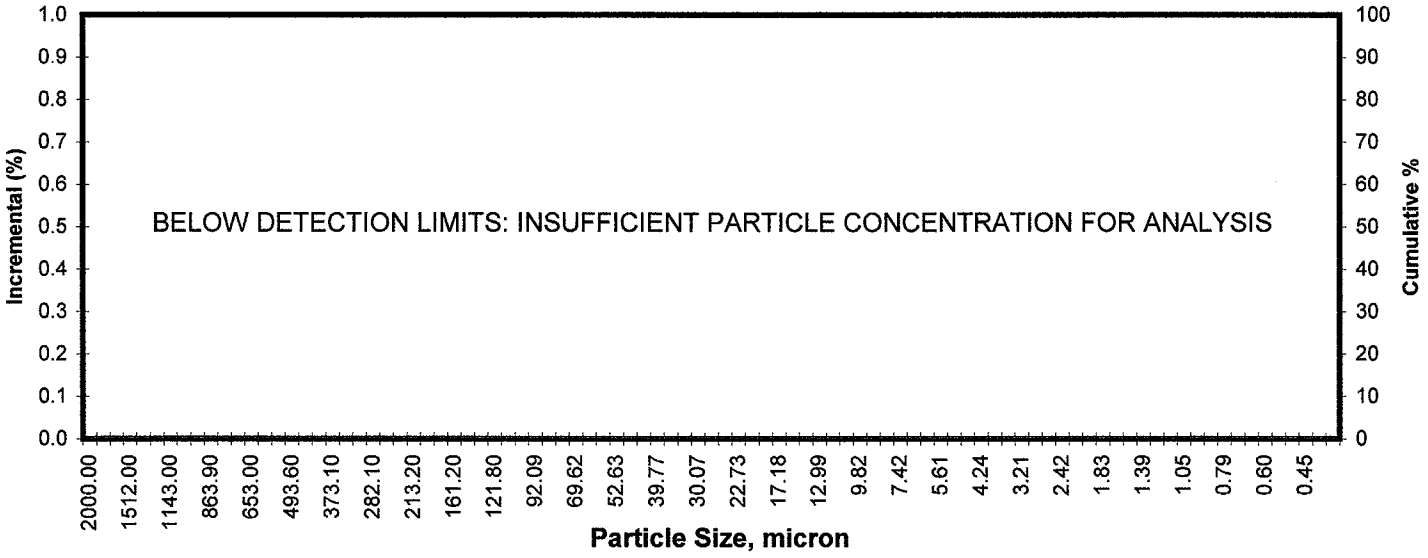
Sample ID	Matrix	Median Grain Size, micron (1)	CUMULATIVE PERCENT GREATER THAN Distribution percent, microns										
			5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-12-17-06	Aqueous	N/A	BELOW DETECTION LIMITS: INSUFFICIENT CONCENTRATION FOR ANALYSIS										

(1) based on Mean from Trask

PTS Laboratories

Particle Size Analysis - ASTM D4464M

Client:	Sierra Analytical Labs, Inc.	**PTS File No:**	361078
Project:	N/A	**Sample ID:**	S-B06-12-12-17-06
Project No:	0612343	**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
948.20	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
339.80	0.00	0.0
309.60	0.00	0.0
282.10	0.00	0.0
256.80	0.00	0.0
234.10	0.00	0.0
213.20	0.00	0.0
194.20	0.00	0.0
176.80	0.00	0.0
161.20	0.00	0.0
146.80	0.00	0.0
133.70	0.00	0.0
121.80	0.00	0.0
111.00	0.00	0.0
101.10	0.00	0.0
92.09	0.00	0.0
83.90	0.00	0.0
76.43	0.00	0.0
69.62	0.00	0.0
63.41	0.00	0.0
57.77	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
52.63	0.00	0.0
47.93	0.00	0.0
43.66	0.00	0.0
39.77	0.00	0.0
36.24	0.00	0.0
33.00	0.00	0.0
30.07	0.00	0.0
27.38	0.00	0.0
24.95	0.00	0.0
22.73	0.00	0.0
20.70	0.00	0.0
18.86	0.00	0.0
17.18	0.00	0.0
15.65	0.00	0.0
14.26	0.00	0.0
12.99	0.00	0.0
11.83	0.00	0.0
10.78	0.00	0.0
9.82	0.00	0.0
8.94	0.00	0.0
8.15	0.00	0.0
7.42	0.00	0.0
6.76	0.00	0.0
6.16	0.00	0.0
5.61	0.00	0.0
5.11	0.00	0.0
4.66	0.00	0.0
4.24	0.00	0.0
3.86	0.00	0.0
3.52	0.00	0.0
3.21	0.00	0.0
2.92	0.00	0.0
2.66	0.00	0.0
2.42	0.00	0.0
2.21	0.00	0.0
2.01	0.00	0.0
1.83	0.00	0.0
1.67	0.00	0.0
1.52	0.00	0.0

Particle Diameter, micron	Particle Distribution	
	Incremental percent	Cumulative percent
1.385	0.000	0.0
1.261	0.000	0.0
1.149	0.000	0.0
1.047	0.000	0.0
0.953	0.000	0.0
0.869	0.000	0.0
0.791	0.000	0.0
0.721	0.000	0.0
0.657	0.000	0.0
0.598	0.000	0.0
0.545	0.000	0.0
0.496	0.000	0.0
0.452	0.000	0.0
0.412	0.000	0.0
0.375	0.000	0.0
TOTALS:	**0.00**	**0.0**

Measure	Trask	Inman
Median, mm	N/A	N/A
Median, micron	N/A	N/A
Mean, mm	N/A	N/A
Mean, micron	N/A	N/A
Sorting	N/A	N/A
Skewness	N/A	N/A
Kurtosis	N/A	N/A

Cumulative Percent greater than		
Distribution percent	Particle Size	
	Micron	Millimeters
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A
0	N/A	N/A

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

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FAX: 949 • 348 • 9115
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CHAIN OF CUSTODY RECORD

Date: 12/16/06 Page: 1 of 7

Lab Work Order No.:

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-B01-1- 12-17-06		12/17/06	1120	STORMWATER	NONE	PLASTIC	2	X			
C-B01-1- 12-17-06		12/17/06	1120	STORMWATER	NONE	40ml VOA	2		X		
C-B01-1- 12-17-06		12/17/06	1120	STORMWATER	NONE	CLR GLASS	1			X	
C-B01-1- 12-17-06		12/17/06	1120	STORMWATER	NONE	AMBER GLASS	1				X
C-B03-2- 12-17-06		12/17/06	1135	STORMWATER	NONE	PLASTIC	2	X			
C-B03-2- 12-17-06		12/17/06	1135	STORMWATER	NONE	40ml VOA	2		X		
C-B03-2- 12-17-06		12/17/06	1135	STORMWATER	NONE	CLR GLASS	1			X	
C-B03-2- 12-17-06		12/17/06	1135	STORMWATER	NONE	AMBER GLASS	1				X
C-B05-3- 12-16-06		12/16/06	2045	STORMWATER	NONE	PLASTIC	2	X			
C-B05-3- 12-16-06		12/16/06	2045	STORMWATER	NONE	40ml VOA	2		X		

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

1 Sampler Signature: Stripped Via:
Printed Name: (Carrier/Waybill No.)

2 Relinquished By: David Kerr Date: 12-17-06 Received By: Time: 1500 Company: SIERRA Date: 12-17-06 Time: 15:00
Company: MACTEC

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

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 ☐ Client Emp. ID
☐ Sample Seals ☐ Preservative Verified
☐ Properly Labelled ☐ Other
☐ Appropriate Sample Container ☐ Sample Location

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

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CHAIN OF CUSTODY RECORD

Date: 12,6,06 Page: 2 of 7

Lab Work Order No.:

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
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)	Field Point Names / Comments
C-B05-3- 12-16-06		12/16/06	2045	STORMWATER	NONE	CLR GLASS	1			X		
C-B05-3- 12-16-06		12/16/06	2045	STORMWATER	NONE	AMBER GLASS	1				X	
C-B05-4- 12-16-06		12/16/06	20:25	STORMWATER	NONE	PLASTIC	2	X				
C-B05-4- 12-16-06		12/16/06	20:25	STORMWATER	NONE	40ml VOA	2		X			
C-B05-4- 12-16-06		12/16/06	20:25	STORMWATER	NONE	CLR GLASS	1			X		
C-B05-4- 12-16-06		12/16/06	20:25	STORMWATER	NONE	AMBER GLASS	1				X	
C-B06-5- 12-17-06		12/17/06	1210	STORMWATER	NONE	PLASTIC	2	X				
C-B06-5- 12-17-06		12/17/06	1210	STORMWATER	NONE	40ml VOA	2		X			
C-B06-5- 12-17-06		12/17/06	1210	STORMWATER	NONE	CLR GLASS	1			X		
C-B06-5- 12-17-06		12/17/06	1210	STORMWATER	NONE	AMBER GLASS	1				X	

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

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: David Kerr | Company: MacTec | Date: 12-17-06 | Time: 1500
Received By: Tony Kruth | Company: SIERRA | Date: 12-19-06 | Time: 1503

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.

3 Relinquished By: | Company: | Date: | Time: | Received By: | Company: | Date: | Time:

Total Number of Containers Received by Laboratory

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

Special Instructions:

FOR LABORATORY USE ONLY - Sample Receipt Conditions
☐ Chilled ☐ Temp. ____
☐ Sample(s) in proper container/bottle ☐ Preservative noted
☐ Sufficient sample volume ☐ Other ____
☐ Received within holding time ☐ VOA headspace acceptable

Rev: 9/21/04

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

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CHAIN OF CUSTODY RECORD

Date: 12/16/06 Page: 3 of 7

Lab Work Order No.:

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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, ammonia, MBAS, O&G, TPH (jet fuel,motor oil,diesel)	Field Point Names / Comments
C-B07-6-12-16-06		12/16	2015	STORMWATER	NONE	PLASTIC	2	X					
C-B07-6-12-16-06		12/16	2015	STORMWATER	NONE	40ml VOA	2		X				
C-B07-6-12-16-06		12/16	2015	STORMWATER	NONE	CLR GLASS	1			X			
C-B07-6-12-16-06		12/16	2015	STORMWATER	NONE	AMBER GLASS	1				X		
C-B07-7-12-17-06		12/17/06	1230	STORMWATER	NONE	PLASTIC	2	X					
C-B07-7-12-17-06		12/17/06	1230	STORMWATER	NONE	40ml VOA	2		X				
C-B07-7-12-17-06		12/17/06	1230	STORMWATER	NONE	CLR GLASS	1			X			
C-B07-7-12-17-06		12/17/06	1230	STORMWATER	NONE	AMBER GLASS	1				X		
S-B08-14/C-B08-8-12-17-06		12/17	0836	STORMWATER	NONE	5 GALL GLASS	1					X	
S-B08-14/C-B08-8-12-17-06		12/17	0830	STORMWATER	NONE	40ml VOA	2		X				

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

Total Number of Containers Submitted to Laboratory

2 Relinquished By: David Kerr Date: 12-17-06 Received By: Irving Lynch Date: 12.17.06
Company: MacTec Time: 1500 Company: SIERRA Time: 1510

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

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

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.

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY: Samples and Containers ☐ Intact ☐ Custody Seals ☐ Properly Labeled ☐ Appropriate Sample Containers ☐ Chain of Custody Tape (CC) ☐ Preservation Verified By ☐ Other ☐ Storage Location

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

Rev. 8/21/06

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CHAIN OF CUSTODY RECORD

Date: 12/16/06 Page: 4 of 7

Lab Work Order No.:

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	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)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	Field Point Names / Comments
C-B12-9- 12-16-06		12/16	19:50	STORMWATER	NONE	PLASTIC	2	X					
C-B12-9-12-16-06		12/16	19:50	STORMWATER	NONE	40ml VOA	2		X				
C-B12-9-12-16-06		12/16	19:50	STORMWATER	NONE	CLR GLASS	1			X			
C-B12-9-12-16-06		12/16	19:50	STORMWATER	NONE	AMBER GLASS	1				X		
C-B09-10-12-16-06		12/16	19:15	STORMWATER	NONE	PLASTIC	2	X					
C-B09-10-12-16-06		12/16	19:15	STORMWATER	NONE	40ml VOA	2		X				
C-B09-10-12-16-06		12/16	19:15	STORMWATER	NONE	CLR GLASS	1			X			
C-B09-10-12-16-06		12/16	19:15	STORMWATER	NONE	AMBER GLASS	1				X		
S-B08-1- 12-17-06		12/17	09:58	STORMWATER	NONE	5 GALL GLASS	1					X	composite together with S-B08-2 and analyze as 1 sample
S-B08-1- 12-17-06		12/17	07:58	STORMWATER	NONE	40ml VOA	2		X				

1 Sampler Signature: / Printed Name:

Shipped Via: (Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: David Kerr — Date: 12-17-06 — Time: 1500 — Company: Mac Tec
Received By: Twight — Date: 12-17-06 — Time: 1500 — Company: SIERRA

3 Relinquished By: — Date: — Time: — Company:
Received By: — Date: — Time: — Company:

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

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)
☐ Sample Seals ☐ Received on Ice - Verified By
☐ Properly Labelled ☐ COC
☐ Appropriate Sample Container ☐ Storage Location

Rev: 07/18/04

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

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CHAIN OF CUSTODY RECORD

Date: 12.16.06 Page: 5 of 7

Lab Work Order No.:

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, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	ethylene glycol	Total & dissolved Cu and Zn	Field Point Names / Comments
S-B08-2- 12-17-06		12.17	9:50	STORMWATER	NONE	5 GALL GLASS		X			composite together with S-B08-1 and analyze as 1 sample
S-B08-2- 12-1706		12.17	7:50	STORMWATER	NONE	40ml VOA	2		X		
S-B09-3- 12-17-06		12.17.06	09:37	STORMWATER	NONE	5 GALL GLASS	1	X			composite together with S-B11-4 and analyze as 1 sample
S-B11-4- 12-17-06		12.17	0942	STORMWATER	NONE	5 GALL GLASS		X			composite together with S-B08-3 and analyze as 1 sample
S-B11-4- 12-17-06		12.17	0742	STORMWATER	NONE	40ml VOA	2		X		
S-B05-5- 12-17-06		12/17/06	08:24	STORMWATER	NONE	5 GALL GLASS	1			X	
S-B07-6- 12-16-06		12-16-06	18:45	STORMWATER	NONE	PLASTIC	1			X	
~~S-B12-7~~				~~STORMWATER~~	~~NONE~~	~~PLASTIC~~	~~1~~			~~X~~	
S-B08-8- 12-16-06		12-16-06	20:05	STORMWATER	NONE	PLASTIC	1			X	
S-B08-9- 12-17-06		12/17/06	1200	STORMWATER	NONE	PLASTIC	1			X	

Sampler Signature:
Printed Name:

Shipped Via:
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: David Kerr	Date: 12-17-06	Received By: Tim Kmetz	Date: 12.17.06
Company: MacTec	Time: 1500	Company: SIERRA	Time: 1500
3 Relinquished By:	Date:	Received By:	Date:
Company:	Time:	Company:	Time:
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)
☐ Sample Seals ☐ Preservative Verified By:
☐ Proper Containers ☐ Other
☐ Appropriate Sample Container Type ☐ Sample Labeling

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

Rev: 03/06-1

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CHAIN OF CUSTODY RECORD

Date: 12,16,06 Page: 6 of 7

Lab Work Order No.:

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 ID No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	Total & dissolved Cu and Zn	ethylene glycol	oil and grease (O&G)	TPH (jet fuel, diesel, motor oil)	pH, TSS, SC, tot(Al,Cu,Fe,Pb,Zn), diss(Cu,Zn) BOD, COD, O&G	O&G, SC, pH, TSS, total (Al, Cu, Fe, Pb, Zn), dissolved (Cu, Zn), BOD, COD, particle size distribution	pH, TSS, Specific Conductance, (SC) tot(Al,Cu,Fe, Pb,Zn), diss(Cu,Zn), BOD, COD, ammonia, MBAS						Field Point Names / Comments
S-B03-10- 12-17-06		12/17/06	1130	STORMWATER	NONE	PLASTIC	1	X												
S-B06-11- 12-17-06		12/17/06	1150	STORMWATER	NONE	PLASTIC	1	X												
S-B06-12- 12-17-06		12/17	9:10	STORMWATER	NONE	5 GALL GLASS							X							
S-B06-12- 12-17-06		12/17	07:50	STORMWATER	NONE	40ml VOA	2		X											
~~S-B06-13-~~ S-B12-13		12/17	8:51	STORMWATER	NONE	5 GALL GLASS						X								
~~S-B06-13-~~ S-B12-13		12/17	7:51	STORMWATER	NONE	40ml VOA	2		X											
C-B12-9-12-16-06 -DUP		12/16/06	19:50	STORMWATER	NONE	PLASTIC	2							X						
C-B12-9 12-16-06 -DUP		12/16/06	19:50	STORMWATER	NONE	40ml VOA	2		X											
C-B12-9-12-16-06 -DUP		12/16/06	19:50	STORMWATER	NONE	CLR GLASS	1			X										
C-B12-9-12-16-06 -DUP		12/16/06	19:50	STORMWATER	NONE	AMBER GLASS	1				X									

1 Sampler Signature: Shipped Via: Printed Name: (Carrier/WayBill No.)

2 Relinquished By: David Kerr Date: 12-17-06 Received By: Tung Kwok Date: 12.17.06
Company: Mac Tec Time: 1500 Company: SIERRA Time: 15:00

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

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)
☐ Sample Seal ☐ Received at Ambient By
☐ Proper Labels ☐ Other
☐ Appropriate Sample Containers ☐ Proper Preservation

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: 12/16/06 Page: 7 of 7

Lab Work Order No.:

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	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	xylenes 8260	Field Point Names / Comments
C-BOS-4-12-16-06-BL		12-16-06	20:35	SW	NONE	VOA	2							
C-BOS-4-12-16-06-BL		12-16-06	20:35	STORMWATER	NONE	PLASTIC	2	X						
C-BOS-4-12-16-06-BL		12-16-06	20:35	STORMWATER	NONE	CLR GLASS	1		X					
C-BOS-4-12-16-06-BL		12-16-06	20:35	STORMWATER	NONE	AMBER GLASS	1			X				
S-B06-12-12-17-06-DUP		12-17-06	09:10	STORMWATER	NONE	5 GALL GLASS					X			
S-B11-4-12-17-06-BL		12-17-06	09:42	STORMWATER	NONE	5 GALL GLASS						X		

1 Sampler Signature: Shipped Via:
Printed Name: [Carrier/Waybill No.]

2 Relinquished By: David Kerr Date: 12-17-06 Received By: Date:
Company: MacTec Time: 1500 Company: SIERRA Time: 1508

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

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)
☐ Sample Seals ☐ Preservative Verified By:
☐ Proper Labels ☐ Other
☐ Appropriate Sample Containers ☐ Storage Location

Rev: 02/04

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