State of California
STATE WATER RESOURCES CONTROL BOARD

2003-2004
ANNUAL REPORT
FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2003 through June 30, 2004

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

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

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at http://www.swrcb.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information: *Facility WDID No: 937I018035*

Facility Business Name: SAN DIEGO INTERNATIONAL AIRPORT Contact Person: RICHARD GILB

Physical Address: 3225 NORTH HARBOR DRIVE e-mail: rgilb@san.org

City: SAN DIEGO **CA** Zip: 92101 Phone: (619) 400-2790

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

B. Facility Operator Information:

Operator Name: SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY Contact Person: RICHARD GILB

Mailing Address: P.O. BOX 82776 e-mail: rgilb@san.org

City: SAN DIEGO State: CA Zip: 92138-2776 Phone: (619) 400-2790

C. Facility Billing Information:

Operator Name: SAN DIEGO COUNTY REGI0NAL AIRPORT AUTHORITY Contact Person: RICHARD GILB

Mailing Address: P.O. BOX 82776 e-mail: rgilb@san.org

City: SAN DIEGO State: CA Zip: 92138-2776 Phone: (619) 400-2790

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? 1

   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? 13

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 08/19/03

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.

ATTACHMENT SUMMARY

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

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

ANNUAL REPORT CERTIFICATION

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

Printed Name: PAUL MANASJAN

Signature: P. Manasjan Date: 6/30/04

Title: DIRECTOR, ENVIRONMENTAL AFFAIRS

ATTACHMENT 1

2003-2004
ANNUAL REPORT
San Diego International Airport (SDIA)

Attachment #1

Required Explanations, Discussion of Sampling Results, and Summary

EXPLANATIONS

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

E.1 During the 2003-2004 Wet Season, there were few eligible storm events from which to collect samples. Program experience has led to the practical determination that sample collection can only be performed during storms with a rainfall intensity of at least 0.10 inches per hour over at least a two-hour period. While rainfall intensity is only available after the fact, staff have learned to visually monitor storms and monitor local weather information to determine the likelihood of being able to collect samples. In October of 2003, no rain events occurred. For the remaining months of November through April, there were only two eligible storm events with a rainfall intensity of more than 0.10 inches per hour for an extended period. These events occurred on February 18th and April 17th. Samples were collected during the February 18th storm. However, on April 17th, personnel were unable to mobilize in sufficient time to collect samples. The history of eligible storm events is recorded on attached Form 4.

E.2 The first storm of the season occurred on November 1, 2003. The storm began during early morning darkness and was only producing 0.04 inches of rainfall per hour during the one hour of daylight that would have been available for sampling. For the reason outlined in the explanation for item E.1 above, there was insufficient stormwater flow and samples could not be collected.

E.5 For monitoring purposes, the San Diego International Airport (SDIA) has been divided into general discharge areas based on similar land use and operations (see attachment #3). Based on similarity of land use, the number of samples required for program monitoring has been reduced in accordance with Section B.7.d of the General Permit. The six areas and the corresponding sample identifiers for each location are:

SDIA #1	aircraft runway (Sample site LBF#1)
SDIA #2	perimeter road and taxiway ovals, parts of which are unpaved (Sample site LBF#2)
SDIA #3	terminal 1 (Sample site LBF#3)
SDIA #4	terminal 2 east (Sample site LBF#4)
SDIA #5	north ramp/parking apron (Sample site LBF#5)

SDIA #6 internal to the entire property – at boundary site between air operations and NTC landfill - not an off-site discharge location - the landfill portion is not paved. (Sample site LBF#6)

E.6 As noted in the explanation for item E.1 above, program experience has led to the practical determination that sample collection can only be performed during storms with a rainfall intensity of at least 0.10 inches per hour over at least a two-hour period. With six sample sites identified for the monitoring program, practice has shown that more than one hour of time elapses between initiation of sampling and the collection of the sixth sample. Such was the case this year and therefore, it was not possible for all samples to be collected during the first hour of discharge.

G.1 During the month of October 2003 no rain events occurred. In November, and December of 2003, and January, March, and May of 2004, eligible rain events occurring during the facility operating hours did not produce sufficient discharges to allow for observations. The history of eligible storm event tracking is provided on attached Form 4.

Discussion of Analytical Results

The following supplemental information is provided to assist with the evaluation of the analytical data included with this Annual Report (see attachment #2 and attached Analytical Lab Reports). The Airport Authority continues to evaluate the effectiveness of all the BMPs at SDIA based on the information provided below.

pH

None of the samples analyzed had a pH reading that exceeded the Multi-Sector Permit Benchmark Values of 6-9 pH units.

Total Suspended Solids (TSS)

One of the six water samples analyzed contained concentrations of TSS above the Multi-Sector Permit Benchmark Values of 100 mg/L. LBF #2 (February 18, 2004) had a TSS concentration of 320 mg/L. See summary below for further discussion of LBF #2.

2003-2004
ANNUAL REPORT
San Diego International Airport (SDIA)

Attachment #1

Required Explanations, Discussion of Sampling Results, and Summary

Specific Conductivity

LBF #2 (February 18, 2004) had a specific conductance reading of 1400 umhos/cm, which exceeds the Multi-Sector Permit Benchmark Value of 900 umhos/cm.

TPH (Gasoline)/GLYCOLS/BTEX/TRPH

Concentrations of TPH as gasoline, glycols and BTEX were not detected in any of the water samples collected.

One of the six water samples analyzed contained a TRPH concentration. LBF #1(February 18, 2004) had a TRPH concentration of 1.2 mg/L. However, there are no listed Multi-Sector Permit Benchmark Values for TRPH.

Oil and Grease

None of the samples analyzed had a concentration of oil and grease that exceeded the Multi-Sector Permit Benchmark Values of 15 mg/L.

Total Organic Carbon (TOC)/Volatile Organic Carbon (VOC)

Samples were not analyzed for TOC. Instead the samples were analyzed for TRPH, TPH, BTEX, oil and grease, and VOC. The results of TRPH, TPH, BTEX, and oil and grease are discussed above. Concentrations of VOC were not detected in any of the samples collected.

Total Iron

Three samples exceeded the Multi-Sector Permit Benchmark Value limit of 1.0 mg/L. LBF #1 (February 18, 2004) had a concentration of 6.40 mg/L; LBF #2 (February 18, 2004) had a concentration of 7.93 mg/L, and LBF #6 (February 18, 2004) had a concentration of 3.06 mg/L. These results are similar to the sample results for 2002-2003 when three out of six sample locations had concentrations above the Multi-Sector Permit Benchmark Values.

2003-2004
ANNUAL REPORT
San Diego International Airport (SDIA)

Attachment #1

Required Explanations, Discussion of Sampling Results, and Summary

Total Zinc

Three samples exceeded the Multi-Sector Permit Benchmark Value of 0.117 mg/L. LBF #2 (February 18, 2004) had a concentration of .18 mg/L, LBF #5 (February 18, 2004) had a concentration of .145 mg/L and LBF #6 (February 18, 2004) had a concentration of .132 mg/L. These results are an improvement from samples taken in 2002-2003 when all six of the sample locations had concentrations above the Multi-Sector Permit Benchmark Values.

Total Lead/Dissolved Lead

None of the samples analyzed had a total lead concentration that exceeded the Multi-Sector Permit Benchmark Value of 0.082 mg/L.

None of the samples analyzed had dissolved lead concentrations above the Multi-Sector Permit Benchmark Value of 0.082 mg/L.

Total Aluminum

Three samples exceeded the Multi-Sector Permit Benchmark Value of 0.75 mg/L. LBF #1 (February 18, 2004) had a concentration of 7.35 mg/L, LBF #2 (February 18, 2004) had a concentration of 6.82 mg/L and LBF #6 (February 18, 2004) had a concentration of 2.21 mg/L. These results are similar to the sample results for 2002-2003 when four out of six sample locations had concentrations above the Multi-Sector Permit Benchmark Values.

Total Copper/Dissolved Copper

All of the samples had total copper concentrations that exceeded the Multi-Sector Permit Benchmark Value of 0.0058 mg/L.

All of the samples had dissolved copper concentrations that exceeded the Multi-Sector Permit Benchmark Value of 0.0048 mg/L.

Both the results for total copper and dissolved copper are similar to the sample results for 2002-2003 when all six sample locations had concentrations above the Multi-Sector Permit Benchmark Values.

Attachment #1

Required Explanations, Discussion of Sampling Results, and Summary

Biological Oxygen Demand (BOD) / Chemical Oxygen Demand (COD)

None of the samples contained had BOD concentrations that exceeded the Multi-Sector Permit Benchmark Value of 30 mg/L.

None of the samples contained had COD concentrations that exceeded the Multi-Sector Permit Benchmark Value of 120 mg/L.

Ammonia

None of the samples contained concentrations of ammonia that exceed the Multi-Sector Permit Benchmark Value of 6 mg/L.

Summary

Overall, the concentrations of the various contaminants and chemicals present in the storm water samples collected this year are below Multi-Sector Permit Benchmark Values. There were however, three sampling stations in particular that exceeded the Multi-Sector Permit Benchmark Values for several analytes.

Sampling station LBF #1 appears to have concentrations of Total Iron, Total Aluminum, and Total and Dissolved Copper which exceed the Multi-Sector Permit Benchmark Values. This station is located within an area that is occupied by a fixed base operation facility. Potential sources of heavy metals at the facility include two aircraft hangers used for servicing and storing smaller corporate jets, a jet fuel dispensing area and an aircraft parking area. In addition to the fixed base operations facility, this area is also occupied by several small air cargo operators that use the area to load and park airplanes.

Sampling station LBF #2 appears to have concentrations of Total Iron, Total Zinc, Total Aluminum, and Total and Dissolved Copper which exceed the Multi-Sector Permit Benchmark Values. The sample taken from this station also had concentrations of Specific Conductance and Total Suspended Solids (TSS) which exceed the Multi-Sector Permit Benchmark Values. This sample site is within an airport oval and is tidally influenced and a majority of the area is partially paved by gravel. These factors may have an impact on the concentrations of the analytes detected at that site.

Attachment #1

Required Explanations, Discussion of Sampling Results, and Summary

Sampling Station LBF #6 also appears to have concentrations of Total Iron, Total Zinc, Total Aluminum, and Total and Dissolved Copper which exceed the Multi-Sector Permit Benchmark Values. Since this sample location represents an area that is partially unpaved, stormwater is likely to contain silt and sediment, and therefore, it is not unexpected that there would be higher concentrations of heavy metals.

Based on and in order to address the results presented above, the Airport Authority is currently re-evaluating the entire stormwater sampling program. The re-evaluation will include an analysis of: 1) site uses and potential contaminants; 2) historic rainfall and storm intensity data; 3) sample site locations; 4) sampling methods; and 5) historical sampling and monitoring data. The re-evaluation is intended to produce a revised monitoring program that will be in place for the 2004-2005 wet-weather season.

ATTACHMENT 2

Port of San Diego
Stormwater Monitoring Results, 2003-2004
San Diego International Airport

Collection Date: 18 Feb 04

Constituents	Analytical Method	Units	Reporting Limit	LBF#1	LBF#2	LBF#3	LBF#4	LBF#5	LBF#6
BTEX	DHF LUFT/8021B	ug/L	0.3	ND	ND	ND	ND	ND	ND
TPH (gas)	DHF LUFT/8021B	ug/L	100	ND	ND	ND	ND	ND	ND
TRPH	EPA 418.1	mg/L	1.0	1.2	ND	ND	ND	ND	ND
Total Suspended Solids (TSS)	EPA 160.2	mg/L	1.0	20	320	5.8	1.2	ND	8.2
pH	EPA 150.1	pH units	0.01	6.43	7.19	7.29	7.28	7.45	7.44
Specific Conductance	EPA 120.1	umhos/cm	1.0	76	1400	100	110	94	450
Oil and Grease	EPA 1664A	mg/L	1.0	2.8	3.2	6.0	1.4	1.6	1.6
Total Iron (Fe)	EPA 6010B	mg/L	0.10	6.40	7.93	0.254	0.104	0.852	3.06
Total Zinc (Zn)	EPA 6020	mg/L	0.005	0.0716	0.18	0.0971	0.0279	0.145	0.132
Total Lead (Pb)	EPA 6020	mg/L	0.001	ND	ND	ND	ND	ND	ND
Dissolved Lead (Pb)	EPA 6020	mg/L	0.001	0.00521	0.0435	0.00214	ND	0.0176	0.0173
Total Aluminum (Al)	EPA 6010B	mg/L	0.05	7.35	6.82	0.208	0.108	0.491	2.21
Total Copper (Cu)	EPA 6020	mg/L	0.001	0.0976	0.139	0.0324	0.0165	0.0387	0.038
Dissolved Copper (Cu)	EPA 6020	mg/L	0.001	0.127	0.0317	0.0185	0.0139	0.0596	0.0176
Volatile Organic Carbon	EPA 624	ug/L	0.5 - 10	ND	ND	ND	ND	ND	ND
BOD	EPA 405.1	mg/L	1.0	7.7	7.1	20	6.0	3.4	2.8
COD	EPA 410.4	mg/L	5.0	46	230	59	33	51	28
Ammonia	EPA 350.2	mg/L	0.1	1.1	0.28	0.21	0.28	0.42	0.28
Glycols	GC/FID	mg/L	50	ND	ND	ND	ND	ND	ND

ND = not detected

Port of San Diego
Stormwater Monitoring Results, 2003-2004
San Diego International Airport

Collection Date: 18 Feb 04

Constituents	Analytical Method	Units	Reporting Limit	LBF#1	LBF#2	LBF#3	LBF#4	LBF#5	LBF#6
BTEX	DHF LUFT/8021B	ug/L	0.3	ND	ND	ND	ND	ND	ND
TPH (gas)	DHF LUFT/8021B	ug/L	100	ND	ND	ND	ND	ND	ND
TRPH	EPA 418.1	mg/L	1.0	1.2	ND	ND	ND	ND	ND
Total Suspended Solids (TSS)	EPA 160.2	mg/L	1.0	20	320	5.8	1.2	ND	8.2
pH	EPA 150.1	pH units	0.01	6.43	7.19	7.29	7.28	7.45	7.44
Specific Conductance	EPA 120.1	umhos/cm	1.0	76	1400	100	110	94	450
Oil and Grease	EPA 1664A	mg/L	1.0	2.8	3.2	6.0	1.4	1.6	1.6
Total Iron (Fe)	EPA 6010B	mg/L	0.10	6.40	7.93	0.254	0.104	0.852	3.06
Total Zinc (Zn)	EPA 6020	mg/L	0.005	0.0716	0.18	0.0971	0.0279	0.145	0.132
Total Lead (Pb)	EPA 6020	mg/L	0.001	ND	ND	ND	ND	ND	ND
Dissolved Lead (Pb)	EPA 6020	mg/L	0.001	0.00521	0.0435	0.00214	ND	0.0176	0.0173
Total Aluminum (Al)	EPA 6010B	mg/L	0.05	7.35	6.82	0.208	0.108	0.491	2.21
Total Copper (Cu)	EPA 6020	mg/L	0.001	0.0976	0.139	0.0324	0.0165	0.0387	0.038
Dissolved Copper (Cu)	EPA 6020	mg/L	0.001	0.127	0.0317	0.0185	0.0139	0.0596	0.0176
Volatile Organic Carbon	EPA 624	ug/L	0.5 - 10	ND	ND	ND	ND	ND	ND
BOD	EPA 405.1	mg/L	1.0	7.7	7.1	20	6.0	3.4	2.8
COD	EPA 410.4	mg/L	5.0	46	230	59	33	51	28
Ammonia	EPA 350.2	mg/L	0.1	1.1	0.28	0.21	0.28	0.42	0.28
Glycols	GC/FID	mg/L	50	ND	ND	ND	ND	ND	ND

ND = not detected

DESCRIPTION OF BASIC ANALYTICAL PARAMETERS

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC),and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

pH is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and a alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

Total Suspended Solids (TSS) is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

Specific Conductance (SC) is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

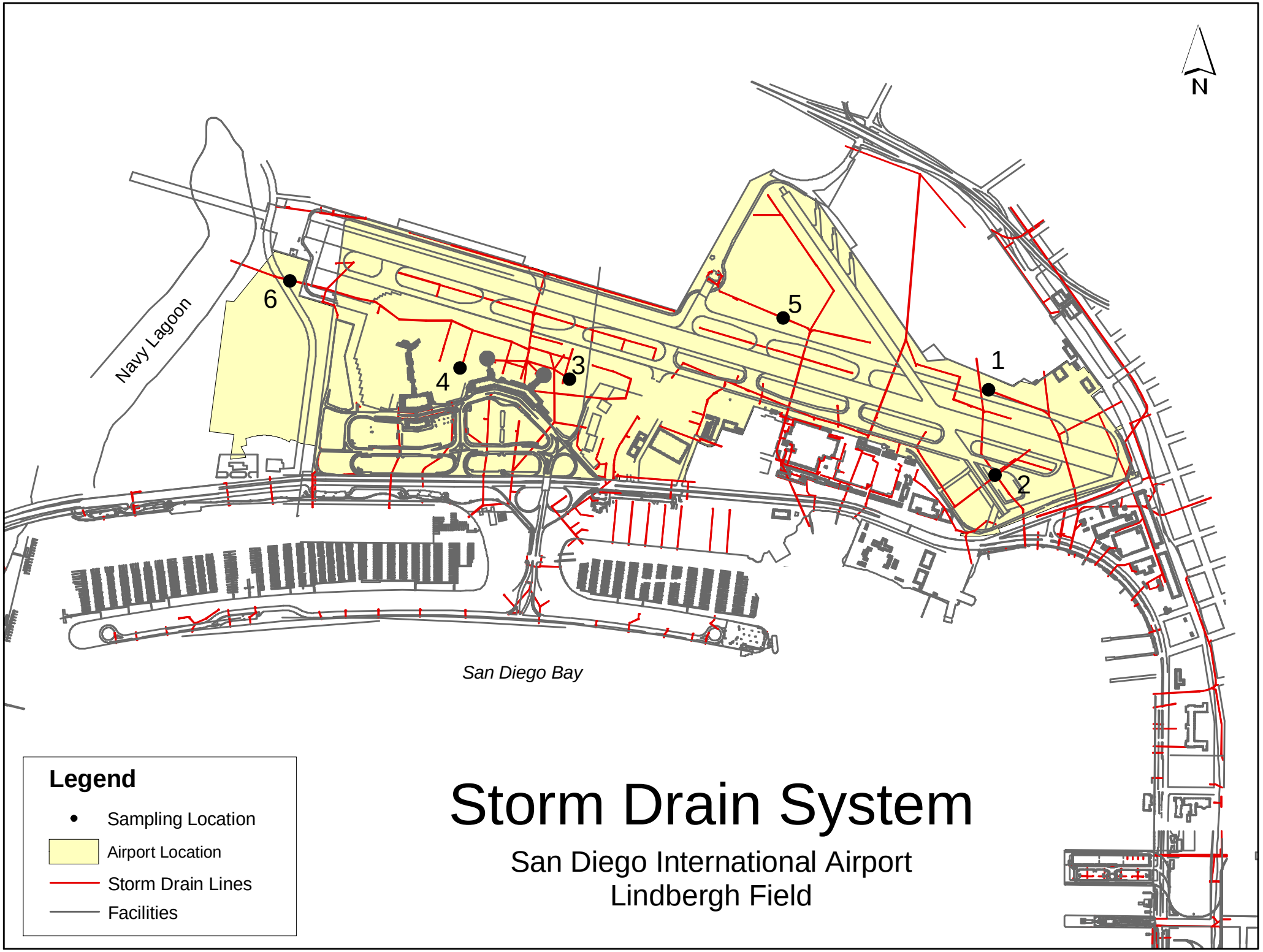
Total Organic Carbon (TOC) is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

Oil and Grease (O&G) is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at http://www.swrcb.ca.gov. It is contained in the Sampling and Analysis Reduction Certification.

See Storm Water Contacts at
http://www.swrcb.ca.gov/stormwtr/contact.html

ATTACHMENT 3


N
Navy Lagoon
6
5
4
3
1
2
San Diego Bay
Legend
Sampling Location
Airport Location
Storm Drain Lines
Facilities
Storm Drain System
San Diego International Airport
Lindbergh Field

FORMS

ANNUAL REPORT
FORM 1 - SAMPLING ANALYSIS RESULTS

SIDE A

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: **Paul H. Brown** TITLE: **Sr. Environmental Specialist** 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	BTEX	TPH (gas)	TRPH	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
LBF #1	2/18/2004 3:30 pm	3:30 pm	6.43	20	76	2.8	>0.3	>100	1.2	6.40	0.0716
LBF #2	2/18/2004 4:00 pm	3:30 pm	7.19	320	1400	3.2	>0.3	>100	>1.0	7.93	0.18
LBF #3	2/18/2004 4:30 pm	3:30 pm	7.29	5.8	100	6.0	>0.3	>100	>1.0	0.254	0.0971
LBF #4	2/18/2004 4:50 pm	3:30 pm	7.28	1.2	110	1.4	>0.3	>100	>1.0	0.104	0.0279
LBF #5	2/18/2004 5:30 pm	3:30 pm	7.45	>1.0	94	1.6	>0.3	>100	>1.0	0.852	0.145
LBF #6	2/18/2004 5:50 pm	3:30 pm	7.44	8.2	450	1.6	>0.3	>100	>1.0	3.06	0.132
TEST REPORTING UNITS:			pH units	mg/L	umphos/cm	mg/L	ug/L	ug/L	mg/L	mg/L	mg/L
TEST METHOD DETECTION LIMIT:			0.01	1.0	1.0	1.0	0.3	100	1.0	0.10	0.005
TEST METHOD USED:			EPA 150.1	EPA 160.2	EPA 120.1	EPA 1664A	DHF LUFT/8021B	DHF LUFT/8021B	EPA 418.1	EPA 6010B	EPA 6020
ANALYZED BY (SELF/LAB):			LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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FORM 1 - SAMPLING ANALYSIS RESULTS

SIDE A

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: **Paul H. Brown** TITLE: **Sr. Environmental Specialist** SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Other Parameters									
			TOTAL LEAD Pb_t	DISSOLVED LEAD Pb_d	TOTAL ALUMINUM Al_t	TOTAL COPPER CU_t	DISSOLVED COPPER Cu_d	VOC	BOD	COD	AMMONIA	GLYCOLS
LBF #1	2/18/2004 3:30 pm	3:30 pm	>0.001	0.00521	7.35	0.0976	0.127	>0.5-10	7.7	46	1.1	>50
LBF #2	2/18/2004 4:00 pm	3:30 pm	>0.001	0.0435	6.82	0.139	0.0317	>0.5-10	7.1	230	0.28	>50
LBF #3	2/18/2004 4:30 pm	3:30 pm	>0.001	0.00214	0.208	0.0324	0.0185	>0.5-10	20	59	0.21	>50
LBF #4	2/18/2004 4:50 pm	3:30 pm	>0.001	>0.001	0.108	0.0165	0.0139	>0.5-10	6.0	33	0.28	>50
LBF #5	2/18/2004 5:30 pm	3:30 pm	>0.001	0.0176	0.491	0.0387	0.0596	>0.5-10	3.4	51	0.42	>50
LBF #6	2/18/2004 5:50 pm	3:30 pm	>0.001	0.0173	2.21	0.038	0.0176	>0.5-10	2.8	28	0.28	>50
TEST REPORTING UNITS:			mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	mg/L	mg/L	mg/L	mg/L
TEST METHOD DETECTION LIMIT:			0.001	0.001	0.05	0.001	0.001	0.5-10	1.0	5.0	0.1	50
TEST METHOD USED:			EPA 6020	EPA 6020	EPA 6010B	EPA 6020	EPA 6020	EPA 624	EPA 405.1	EPA 410.4	EPA 350.2	GC/FID
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 TOC - Total Organic Carbon

ANNUAL REPORT
FORM 1 - SAMPLING ANALYSIS RESULTS

SIDE B

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)
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: **NO SAMPLES** PG TITLE: _____ 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	BTEX	TPH (gas)	TRPH	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
LBF #1	NO SAMPLES										
LBF #2	NO SAMPLES										
LBF #3	NO SAMPLES										
LBF #4	NO SAMPLES										
LBF #5	NO SAMPLES										
LBF #6	NO SAMPLES										
TEST REPORTING UNITS:											
TEST METHOD DETECTION LIMIT:											
TEST METHOD USED:											
ANALYZED BY (SELF/LAB):											

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

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SIDE A

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

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

QUARTER: **JULY-SEPT.** DATE: 07/10/03	**Observers Name:** Allison Gutierrez **Title:** Associate 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: 12 / 11/03	**Observers Name:** Allison Gutierrez **Title:** Associate 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: 03/25/04	**Observers Name:** Richard Gilb **Title:** Manager, Environmental Affairs **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ☒ **NO** If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 05/14/04	**Observers Name:** Richard Gilb **Title:** Manager, Environmental Affairs **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?**	☐ **YES** ☒ **NO** If **YES**, complete reverse side of this form.

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

SIDE A

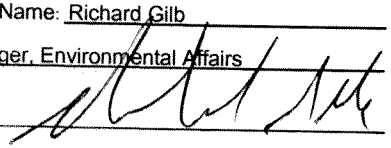
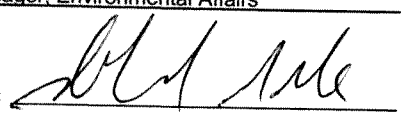
- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required 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 /10/03 11:00 ☒ AM ☐ PM	**Observers Name:** Allison Gutierrez **Title:** Associate 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** 12 /11/03 1:00 ☐ AM ☒ PM	**Observers Name:** Paul Brown, Allison Gutierrez, Richard Gilb **Title:** Sr. Environmental Specialist; Assoc. Environmental Specialist; Manager, Environmental Affairs **Signature:** **Signature:** **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** 03/25/04 1:00 ☐ AM ☒ PM	**Observers Name:** Richard Gilb **Title:** Manager, Environmental Affairs **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 /14/04 1:00 ☐ AM ☒ PM	**Observers Name:** Richard Gilb **Title:** Manager, Environmental Affairs **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.

2003 – 2004 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: Nov. 1, 2003 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 6:00 am – 7:00 am Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
Observation Date: Nov. 12, 2003 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 6:00 am – 7:00 am Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.

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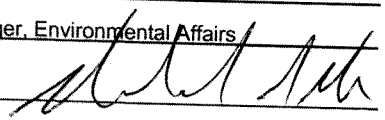
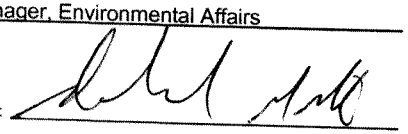
FORM 4 - MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

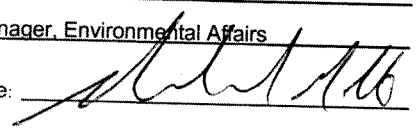
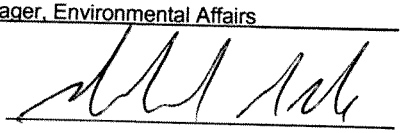
- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed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

Observation Date: Dec. 7, 2003 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 8:00 am – 9:00 am Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
Observation Date: Dec. 23, 2003 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 4:00 pm – 5:00 pm Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.

2003 – 2004 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: Jan. 25, 2003 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 6:00 am – 7:00 am Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
Observation Date: Jan. 28, 2003 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 8:00 am – 9:00 am Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.

2003 – 2004 ANNUAL REPORT
FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

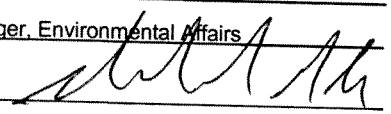
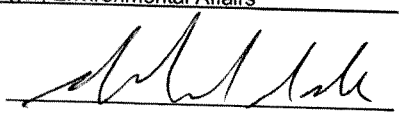
- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed 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: Feb. 18, 2004 Observers Name: Paul H. Brown Title: Senior Environmental Specialist Signature:	Drainage Location Description	#1 FBO Ramp	#2 South Taxiway Oval	#3 East Terminal Ramp
	Observation Time	3 : 30 P.M.	4 : 00 P.M.	4 : 30 P.M.
	Time Discharge Began	Approx. 3 : 30 P.M.	Approx. 3 : 30 P.M.	Approx. 3 : 30 P.M.
	Were Pollutants Observed (If yes, complete reverse side)	NO	NO	NO
	Drainage Location Description	#4 West Terminal Ramp	#5 North Ramp	#6 NTC Field
	Observation Time	4 : 50 P.M.	5 : 30 P.M.	5 : 10 P.M.
	Time Discharge Began	Approx. 3 : 30 P.M.	Approx. 3 : 30 P.M.	Approx. 3 : 30 P.M.
	Were Pollutants Observed (If yes, complete reverse side)	NO	NO	NO
Observation Date: March 1, 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Observation Time: 11:00 pm – 12:00 am Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.

2003 – 2004 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: March 26, 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 3:00 pm – 4:00 pm Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
Observation Date: April 1, 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Observation Time: 5:00 pm – 6:00 pm Time Discharge Began: none Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	Drainage Location Description	#4	#5	#6
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
		: P.M. A.M.	: P.M. A.M.	: P.M. A.M.

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: April 17, 2004

Observers Name: Richard Gilb

Title: Manager, Environmental Affairs

Signature:

Observation Time: None

Time Discharge Began: noon

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

Drainage Location Description	#1	#2	#3
	: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
Drainage Location Description	#4	#5	#6
	: P.M. A.M.	: P.M. A.M.	: P.M. A.M.
	: P.M. A.M.	: P.M. A.M.	: P.M. A.M.

200[illegible] 2004
ANNUA[illegible]EPORT

SIDE A

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

EVALUATION DATE: May/June 2004 **INSPECTOR NAME:** Richard Gilb **TITLE:** Manager, Environmental Affairs **SIGNATURE:** [signature]

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Airport Terminal Services (ATS)	■ YES ☐ NO	☐ YES ■ NO		Drip pans not in use during ground support equipment (GSE) maintenance activities.	ATS was notified of the violation by letter. Problem was abated on June 7, 2004.
America West Airlines, Inc.	■ YES ☐ NO	☐ YES ■ NO		Trash cart in the area of Gate 34 is missing a shut-off valve, which results in liquid waste being discharged to the ground.	America West was notified of the violation by letter. Problem was abated on June 2, 2004.
Aircraft Service International Group (ASIG)	■ YES ☐ NO	☐ YES ■ NO		Equipment/materials/parts/waste in the vicinity of wash rack does not appear to be properly stored or disposed.	ASIG was notified of the violation by letter. Problem was abated on June 7, 2004.
ASTAR Air Cargo	■ YES ☐ NO	☐ YES ■ NO		Aircraft and/or facilities not properly maintained; aircraft fluids being discharged to the ground.	ASTAR was notified of the violation by letter. Problem was abated on June 28, 2004.
BAX Global, Inc.	■ YES ☐ NO	☐ YES ■ NO		Used absorbent material left on the gound in the aircraft parking area and the ground support equipment (GSE) storage area.	BAX was notified of the violation by letter. Problem was abated on June 28, 2004.
ExecAir Maintenance, Inc.	■ YES ☐ NO	☐ YES ■ NO		Ground support equipment (GSE), vehicle #25, leaking fluids to the ground. Empty containers (55-gallon drums) along the north side of the building not properly stored or disposed.	ExecAir was notified of the violation by letter. Problem was abated by June 24, 2004.

SIDE A

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

EVALUATION DATE: May/June 2004 INSPECTOR NAME: Richard Gilb TITLE: Manager, Environmental Affairs SIGNATURE:

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
HMS Host Corporation	■ YES ☐ NO	☐ YES ■ NO		Evidence of staining and spillage around the grease trap in the area of Gate 11. Evidence of improper washing of trash containers in the area of the dumpsters between Terminal 2 East and Terminal 2 West.	HMS Host was notified of the violation by letter. Problem was abated on June 28, 2004.
Jimsair	■ YES ☐ NO	☐ YES ■ NO		Material/waste containers placed behind the conex storage boxes (at northwest corner of the Fixed Base Operations leasehold, near the Jet Wash equipment storage area) does not appear to be properly stored or disposed. Ground support equipment (GSE) leaking fluids to the ground in the area of Gates 20 and 21. Materials (hydraulic fluids) placed on the curb in the area of Gates 20 and 21 does not appear to be properly stored or disposed.	Jimsair was notified of the violation by letter. Problem was abated on June 28, 2004.
Northwest Airlines	■ YES ☐ NO	☐ YES ■ NO		Empty container (55-gallon drum) in the vicinity of Gate 26 not properly stored or disposed.	Northwest Airlines was notified of the violation by letter. Problem was abated by May 27, 2004.
SPC Airport Services, Inc.	■ YES ☐ NO	☐ YES ■ NO		Absorbent material packaging is ripped and/or left open, which results in absorbent material being discharged to the ground at the SPC caged-area between Terminal 2 East and Terminal 2 West.	SPC Airport Services was notified of the violation by letter. Problem was abated by June 2, 2004.
Swiss Port	■ YES ☐ NO	☐ YES ■ NO		Used absorbent material left on the ground. Ground support equipment (GSE) leaking fluids to the ground.	Swiss Port was notified of the violation by letter. Problem was abated by June 2, 2004.
United Airlines, Inc.	■ YES ☐ NO	☐ YES ■ NO		Used absorbent material left on the ground at United Airlines facility. Lavatory service equipment in the vicinity of Gate 13 not properly maintained; aircraft cleaner concentrate being discharged to the ground.	United Airlines was notified of the violation by letter. Problem was abated on June 28, 2004.

ANALYTICAL DATA

May 28, 2004

Karen Helyer
Environmental Services Department
San Diego Unified Port District
3165 Pacific Highway
San Diego, CA 92101

Subject: **RSF #07 – San Diego International Airport Wet Weather Analytical Results 2003-2004**

Dear Ms. Helyer:

This report contains the results of chemical analyses conducted on stormwater samples collected at the San Diego International Airport. The report contains a summary of the chemistry results and the chemistry data report provided to AMEC Earth & Environmental, Inc. (AMEC) by Calscience Environmental Laboratory (Calscience). The chemical analyses conducted on the stormwater samples are referenced in the document "San Diego International Airport Monitoring Constituents."

Samples were collected on 18 February 2004 by Karen Helyer and members of the San Diego Unified Port District's (Port) environmental staff. Only one sampling event occurred during the allotted sampling window.

Port personnel using appropriate chain-of-custody procedures transferred stormwater samples to AMEC. The original chain-of-custody form maintained during the transfer process is attached to Calscience's data report. AMEC personnel submitted samples to the chemistry lab and prepared this report on the analytical results. It should be noted that for Total Suspended Solids (TSS) the requested analytical method, SMEWW 2540D, is the same as the given method, EPA 160.2. Similarly, method DHF LUFT for TPH analyses is now the Statewide recognized method for the older requested method EPA 8015M.

Please contact me at (858) 458-9044 ext.331, if you need any additional information or would like to discuss the results.

Sincerely,

Michelle N. Woo

Michelle N. Woo
Marine Scientist, Aquatic Sciences Group

Calscience
Environmental
Laboratories, Inc.

March 01, 2004

Michelle Woo
AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Subject: **Calscience Work Order No.:** **04-02-1134**
Client Reference: **POSD - Wet Weather Monitoring**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/19/2004 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Michael J. Crisostomo
Quality Assurance Manager

Calscience Environmental Laboratories, Inc.

Analytical Report (Inorganics)

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	76	1.0	1		umhos/cm	N/A	02/19/04	EPA 120.1
pH	6.43	0.01	1		pH units	N/A	02/19/04	EPA 150.1
Solids, Total Suspended	20	1.0	1		mg/L	N/A	02/20/04	EPA 160.2
Hexane Extractable Material	2.8	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	1.1	0.1	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	7.7	1.0	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	46	5	1		mg/L	N/A	02/23/04	EPA 410.4

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	1400	10	1		umhos/cm	N/A	02/19/04	EPA 120.1
pH	7.19	0.01	1		pH units	N/A	02/19/04	EPA 150.1
Solids, Total Suspended	320	1.0	1		mg/L	N/A	02/20/04	EPA 160.2
Hexane Extractable Material	3.2	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	0.28	0.10	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	7.1	1.0	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	230	5	1		mg/L	N/A	02/23/04	EPA 410.4

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	100	1.0	1		umhos/cm	N/A	02/19/04	EPA 120.1
pH	7.29	0.01	1		pH units	N/A	02/19/04	EPA 150.1
Solids, Total Suspended	5.8	1.0	1		mg/L	N/A	02/20/04	EPA 160.2
Hexane Extractable Material	6.0	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	0.21	0.10	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	20	1	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	59	5	1		mg/L	N/A	02/23/04	EPA 410.4

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	110	1.0	1		umhos/cm	N/A	02/19/04	EPA 120.1
pH	7.28	0.01	1		pH units	N/A	02/19/04	EPA 150.1
Solids, Total Suspended	1.2	1.0	1		mg/L	N/A	02/20/04	EPA 160.2
Hexane Extractable Material	1.4	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	0.28	0.10	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	6.0	1.0	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	33	5	1		mg/L	N/A	02/23/04	EPA 410.4

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report (Inorganics)

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix
SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	94	1.0	1		umhos/cm	N/A	02/19/04	EPA 120.1
pH	7.45	0.01	1		pH units	N/A	02/19/04	EPA 150.1
Solids, Total Suspended	ND	1.0	1		mg/L	N/A	02/20/04	EPA 160.2
Hexane Extractable Material	1.6	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	0.42	0.10	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	3.4	1.0	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	51	5	1		mg/L	N/A	02/23/04	EPA 410.4

SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	450	1.0	1		umhos/cm	N/A	02/19/04	EPA 120.1
pH	7.44	0.01	1		pH units	N/A	02/19/04	EPA 150.1
Solids, Total Suspended	8.2	1.0	1		mg/L	N/A	02/20/04	EPA 160.2
Hexane Extractable Material	1.6	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	0.28	0.10	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	2.8	1.0	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	28	5	1		mg/L	N/A	02/23/04	EPA 410.4

Method Blank		**N/A**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Hexane Extractable Material	ND	1.0	1		mg/L	N/A	02/25/04	EPA 1664A
Ammonia	ND	0.10	1		mg/L	N/A	02/25/04	EPA 350.2
Biochemical Oxygen Demand	ND	1.0	1		mg/L	02/19/04	02/24/04	EPA 405.1
Chemical Oxygen Demand	ND	5.0	1		mg/L	N/A	02/23/04	EPA 410.4

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**	**02/20/04**	**02/20/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	7.35	0.05	1		mg/L	Iron	6.40	0.10	1		mg/L

SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**	**02/20/04**	**02/20/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	6.82	0.05	1		mg/L	Iron	7.93	0.10	1		mg/L

SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**	**02/20/04**	**02/20/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	0.208	0.050	1		mg/L	Iron	0.254	0.100	1		mg/L

SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**	**02/20/04**	**02/20/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	0.108	0.050	1		mg/L	Iron	0.104	0.100	1		mg/L

SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**	**02/20/04**	**02/23/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	0.491	0.050	1		mg/L	Iron	0.852	0.100	1		mg/L

SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**	**02/20/04**	**02/23/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	2.21	0.05	1		mg/L	Iron	3.06	0.10	1		mg/L

Method Blank	**097-01-003-3,613**	**N/A**	**Aqueous**	**02/20/04**	**02/23/04**	**040220L03**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Aluminum	ND	0.0500	1		mg/L	Iron	ND	0.100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 3005A Filt.
Method: EPA 6020

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.127	0.001	1		mg/L	Lead	ND	0.00100	1		mg/L

SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0317	0.0010	1		mg/L	Lead	ND	0.00100	1		mg/L

SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0185	0.0010	1		mg/L	Lead	ND	0.00100	1		mg/L

SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0139	0.0010	1		mg/L	Lead	ND	0.00100	1		mg/L

SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0596	0.0010	1		mg/L	Lead	ND	0.00100	1		mg/L

SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0176	0.0010	1		mg/L	Lead	ND	0.00100	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 3020A Total
Method: EPA 6020

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**	**02/20/04**	**02/26/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0976	0.0010	1		mg/L	Zinc	0.0716	0.0050	1		mg/L
Lead	0.00521	0.00100	1		mg/L						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.139	0.001	1		mg/L	Zinc	0.180	0.005	1		mg/L
Lead	0.0435	0.0010	1		mg/L						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0324	0.0010	1		mg/L	Zinc	0.0971	0.0050	1		mg/L
Lead	0.00214	0.00100	1		mg/L						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0165	0.0010	1		mg/L	Zinc	0.0279	0.0050	1		mg/L
Lead	ND	0.00100	1		mg/L						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**	**02/20/04**	**02/26/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0387	0.0010	1		mg/L	Zinc	0.145	0.005	1		mg/L
Lead	0.0176	0.0010	1		mg/L						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**	**02/20/04**	**02/21/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	0.0380	0.0010	1		mg/L	Zinc	0.132	0.005	1		mg/L
Lead	0.0173	0.0010	1		mg/L						

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**096-06-003-564**	**N/A**	**Aqueous**	**02/20/04**	**02/20/04**	**040220L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Copper	ND	0.00100	1		mg/L	Zinc	ND	0.00500	1		mg/L
Lead	ND	0.00100	1		mg/L						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 5030B
Method: DHS LUFT/EPA 8021B

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	99	66-129		1,4-Bromofluorobenzene - FID	97	49-157	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	96	66-129		1,4-Bromofluorobenzene - FID	94	49-157	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	96	66-129		1,4-Bromofluorobenzene - FID	94	49-157	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	98	66-129		1,4-Bromofluorobenzene - FID	95	49-157	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 5030B
Method: DHS LUFT/EPA 8021B

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	99	66-129		1,4-Bromofluorobenzene - FID	97	49-157	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	98	66-129		1,4-Bromofluorobenzene - FID	96	49-157	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**098-01-003-3,335**	**N/A**	**Aqueous**	**N/A**	**02/21/04**	**040221B01**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.30	1		ug/L	Xylenes (total)	ND	0.30	1		ug/L
Toluene	ND	0.30	1		ug/L	TPH as Gasoline	ND	100	1		ug/L
Ethylbenzene	ND	0.30	1		ug/L						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	96	66-129		1,4-Bromofluorobenzene - FID	95	49-157	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 418.1
Method: EPA 418.1

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	1.2	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	1.0	1		mg/L

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-07-016-179**	**N/A**	**Aqueous**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	1.0	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#1 LBF#1	**04-02-1134-1**	**02/18/04**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	91	70-130		Pentafluorobenzene	94	70-130	
Fluorobenzene	98	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#2 LBF#2	**04-02-1134-2**	**02/18/04**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	101	70-130		Pentafluorobenzene	96	70-130	
Fluorobenzene	100	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#3 LBF#3	**04-02-1134-3**	**02/18/04**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	93	70-130		Pentafluorobenzene	93	70-130	
Fluorobenzene	100	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#4 LBF#4	**04-02-1134-4**	**02/18/04**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	91	70-130		Pentafluorobenzene	85	70-130	
Fluorobenzene	94	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#5 LBF#5	**04-02-1134-5**	**02/18/04**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	90	70-130		Pentafluorobenzene	85	70-130	
Fluorobenzene	95	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
SD1A#6 LBF#6	**04-02-1134-6**	**02/18/04**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	88	70-130		Pentafluorobenzene	82	70-130	
Fluorobenzene	94	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-07-002-331**	**N/A**	**Aqueous**	**N/A**	**02/24/04**	**040223L02**

Parameter	Result	RL	DF	Qual	Units	Parameter	Result	RL	DF	Qual	Units
Benzene	ND	0.50	1		ug/L	c-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromodichloromethane	ND	1.0	1		ug/L	t-1,2-Dichloroethene	ND	1.0	1		ug/L
Bromoform	ND	1.0	1		ug/L	1,2-Dichloropropane	ND	1.0	1		ug/L
Bromomethane	ND	1.0	1		ug/L	c-1,3-Dichloropropene	ND	0.50	1		ug/L
Carbon Tetrachloride	ND	0.50	1		ug/L	t-1,3-Dichloropropene	ND	0.50	1		ug/L
Chlorobenzene	ND	1.0	1		ug/L	Ethylbenzene	ND	1.0	1		ug/L
Chloroethane	ND	1.0	1		ug/L	Methylene Chloride	ND	10	1		ug/L
Chloromethane	ND	1.0	1		ug/L	1,1,2,2-Tetrachloroethane	ND	1.0	1		ug/L
2-Chloroethyl Vinyl Ether	ND	1.0	1		ug/L	Tetrachloroethene	ND	1.0	1		ug/L
Chloroform	ND	1.0	1		ug/L	Toluene	ND	1.0	1		ug/L
1,3-Dichlorobenzene	ND	1.0	1		ug/L	1,1,1-Trichloroethane	ND	1.0	1		ug/L
1,4-Dichlorobenzene	ND	1.0	1		ug/L	1,1,2-Trichloroethane	ND	1.0	1		ug/L
1,2-Dichlorobenzene	ND	1.0	1		ug/L	Trichloroethene	ND	1.0	1		ug/L
Dibromochloromethane	ND	1.0	1		ug/L	Trichlorofluoromethane	ND	5.0	1		ug/L
Dichlorodifluoromethane	ND	1.0	1		ug/L	Vinyl Chloride	ND	0.50	1		ug/L
1,1-Dichloroethane	ND	1.0	1		ug/L	o-Xylene	ND	1.0	1		ug/L
1,2-Dichloroethane	ND	0.50	1		ug/L	p/m-Xylene	ND	1.0	1		ug/L
1,1-Dichloroethene	ND	1.0	1		ug/L	Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control	Qual
1,4-Bromofluorobenzene	93	70-130		Pentafluorobenzene	96	70-130	
Fluorobenzene	97	70-130					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Attn: Michelle Woo
RE: POSD - Wet Weather Monitoring

Date Sampled: 02/18/04
Date Received: 02/19/04
Date Analyzed: 02/20/04

Work Order No.: 04-02-1134
Method: GC/FID
Page 1 of 1

All concentrations are reported in mg/L (ppm).

Sample Number	Ethylene Glycol Concentration	Reporting Limit
SD1A#1 LBF#1	ND	50
SD1A#2 LBF#2	ND	50
SD1A#3 LBF#3	ND	50
SD1A#4 LBF#4	ND	50
SD1A#5 LBF#5	ND	50
SD1A#6 LBF#6	ND	50
Method Blank	ND	50

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 120.1

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
04-02-1092-1	**Aqueous**	**SC 1**	**N/A**	**02/19/04**	**40219SCD2**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Specific Conductance	270	260	0	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 150.1

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
04-02-1093-1	**Aqueous**	**PH 1**	**N/A**	**02/19/04**	**40219PHD2**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
pH	8.57	8.57	0	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 160.2

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
SD1A#4 LBF#4	**Aqueous**	**N/A**	**N/A**	**02/20/04**	**40220TSSD4**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Suspended	1.2	1.4	15	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 1664A

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-02-1135-1	**Aqueous**	**N/A**	**N/A**	**02/25/04**	**40225HEMS1**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Hexane Extractable Material	95	97	78-114	2	0-18	

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: N/A
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 1664A

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-05-119-536	Aqueous	N/A	02/25/04	NONE	40225HEML1

Parameter	Conc Added	Conc Recovered	%Rec	%Rec CL	Qualifiers
Hexane Extractable Material	40	37	93	78-114	

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 350.2

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
04-02-1076-3	**Aqueous**	**N/A**	**N/A**	**02/25/04**	**40225NH3D1**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Ammonia	2.2	2.3	3	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: N/A
Method: EPA 405.1

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Started:	Date Ended:	Duplicate Batch Number
SD1A#6 LBF#6	**Aqueous**	**BOD 1**	**02/19/04**	**02/24/04**	**40219BODD1**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Biochemical Oxygen Demand	2.8	2.4	15	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received:	02/19/04
Work Order No:	04-02-1134
Preparation:	N/A
Method:	EPA 410.4

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
04-02-1223-1	**Aqueous**	**UV 3**	**N/A**	**02/23/04**	**40223ODD1**

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chemical Oxygen Demand	2100	2100	1	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-02-1161-1	**Aqueous**	**ICP 3300**	**02/20/04**	**02/23/04**	**040220S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aluminum	129	129	80-120	0	0-20	3
Iron	103	102	80-120	1	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: N/A
Work Order No: 04-02-1134
Preparation: EPA 3010A Total
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-3,613	**Aqueous**	**ICP 3300**	**02/20/04**	**02/23/04**	**040220L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aluminum	97	97	80-120	1	0-20	
Iron	100	100	80-120	0	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 3020A Total
Method: EPA 6020

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-02-1139-1	**Aqueous**	**ICP/MS A**	**02/20/04**	**02/20/04**	**040220S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	81	77	80-120	1	0-20	3
Lead	107	105	80-120	3	0-20	
Zinc	67	65	80-120	1	0-20	3

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: N/A
Work Order No: 04-02-1134
Preparation: EPA 3020A Total
Method: EPA 6020

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-564	Aqueous	ICP/MS A	02/20/04	02/20/04	040220L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	101	105	80-120	4	0-20	
Lead	92	90	80-120	2	0-20	
Zinc	101	103	80-120	1	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 5030B
Method: DHS LUFT/EPA 8021B

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-02-1190-1	**Aqueous**	**GC 8**	**N/A**	**02/21/04**	**040221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	96	73-116	1	0-12	
Toluene	89	90	72-115	1	0-11	
Ethylbenzene	93	94	70-118	1	0-11	
p/m-Xylene	95	96	66-118	1	0-19	
o-Xylene	92	92	69-116	0	0-12	
TPH as Gasoline	106	101	72-120	5	0-21	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: N/A
Work Order No: 04-02-1134
Preparation: EPA 5030B
Method: DHS LUFT/EPA 8021B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-01-003-3,335	**Aqueous**	**GC 8**	**N/A**	**02/21/04**	**040221B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	91	70-111	5	0-9	
Toluene	90	85	75-109	5	0-10	
Ethylbenzene	94	89	73-113	5	0-14	
p/m-Xylene	96	90	76-113	6	0-14	
o-Xylene	92	87	74-113	6	0-15	
Methyl-t-Butyl Ether (MTBE)	106	104	63-118	2	0-19	
TPH as Gasoline	104	106	81-123	2	0-17	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-02-1245-1	**Aqueous**	**GC/MS U**	**N/A**	**02/24/04**	**040223S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	94	37-151	0	0-25	
Carbon Tetrachloride	102	101	70-140	2	0-25	
1,2-Dichlorobenzene	92	91	49-155	2	0-25	
Ethylbenzene	90	88	1-221	3	0-25	
Tetrachloroethene	93	91	64-148	3	0-25	
Toluene	93	93	47-150	1	0-25	
Trichloroethene	90	91	71-157	0	0-25	
o-Xylene	89	88	80-120	2	0-25	
p/m-Xylene	91	88	80-120	3	0-25	
Methyl-t-Butyl Ether (MTBE)	96	100	80-120	4	0-25	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: N/A
Work Order No: 04-02-1134
Preparation: EPA 624
Method: EPA 624

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-07-002-331	**Aqueous**	**GC/MS U**	**N/A**	**02/24/04**	**040223L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	93	37-151	3	0-20	
Bromodichloromethane	91	88	35-155	3	0-20	
Bromoform	102	97	45-169	4	0-20	
Carbon Tetrachloride	106	97	70-140	9	0-20	
Chlorobenzene	90	85	37-160	6	0-20	
Chloroethane	113	108	14-230	5	0-20	
Chloromethane	89	84	1-273	6	0-20	
2-Chloroethyl Vinyl Ether	27	26	1-305	4	0-20	
Chloroform	106	102	51-138	4	0-20	
1,3-Dichlorobenzene	91	85	59-156	7	0-20	
1,4-Dichlorobenzene	91	87	18-190	4	0-20	
1,2-Dichlorobenzene	93	87	49-155	6	0-20	
Dibromochloromethane	96	92	53-149	5	0-20	
1,1-Dichloroethane	104	101	59-155	4	0-20	
1,1-Dichloroethene	109	105	1-234	3	0-20	
t-1,2-Dichloroethene	106	100	54-156	6	0-20	
1,2-Dichloropropane	96	92	37-151	4	0-20	
c-1,3-Dichloropropene	89	86	1-227	3	0-20	
t-1,3-Dichloropropene	82	79	37-162	4	0-20	
Ethylbenzene	90	84	1-221	6	0-20	
Methylene Chloride	109	103	1-227	5	0-20	
1,1,2,2-Tetrachloroethane	102	97	46-157	5	0-20	
Tetrachloroethene	98	103	64-148	4	0-20	
Toluene	95	92	47-150	3	0-20	
1,1,1-Trichloroethane	101	97	52-162	4	0-20	
1,1,2-Trichloroethane	95	90	52-150	6	0-20	
Trichloroethene	93	91	71-157	3	0-20	
Trichlorofluoromethane	116	111	17-181	4	0-20	
Vinyl Chloride	109	102	1-251	6	0-20	
Methyl-t-Butyl Ether (MTBE)	102	99	80-120	3	0-20	

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: N/A
Work Order No: 04-02-1134
Preparation: EPA 418.1
Method: EPA 418.1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-016-179	**Aqueous**	**IR #1**	**02/25/04**	**02/25/04**	**040225L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	120	115	70-130	4	0-30	

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Date Received: 02/19/04
Work Order No: 04-02-1134
Preparation: EPA 3020A Total
Method: EPA 6020

Project: POSD - Wet Weather Monitoring

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
04-02-1139-1	**Aqueous**	**ICP/MS A**	**02/20/04**	**02/20/04**	**040220S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	81	77	80-120	1	0-20	3
Lead	107	105	80-120	3	0-20	
Zinc	67	65	80-120	1	0-20	3

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC Earth and Environmental
5510 Morehouse Drive, Suite 300
San Diego, CA 92121-3723

Project: POSD - Wet Weather Monitoring

Date Received: N/A
Work Order No: 04-02-1134
Preparation: EPA 3020A Total
Method: EPA 6020

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-564	**Aqueous**	**ICP/MS A**	**02/20/04**	**02/20/04**	**040220L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	101	105	80-120	4	0-20	
Lead	92	90	80-120	2	0-20	
Zinc	101	103	80-120	1	0-20	

Calscience Environmental Laboratories, Inc.

QUALITY ASSURANCE SUMMARY

Method GC/FID

AMEC Earth and Environmental
Page 1 of 1

Work Order No.: 04-02-1134
Date Analyzed: 02/20/04

Matrix Spike/Matrix Spike Duplicate

Sample Spiked: SD1A#1 LBF#1

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Ethylene Glycol	62	61	50 - 150	2	0 - 14

Laboratory Control Sample

Analyte	Conc. Added	Conc. Rec.	%REC	Control Limits
Ethylene Glycol	200	163	82	50 - 150

Surrogate Recoveries (in %)

Sample Number	S1
SD1A#1 LBF#1	113
SD1A#2 LBF#2	119
SD1A#3 LBF#3	126
SD1A#4 LBF#4	126
SD1A#5 LBF#5	126
SD1A#6 LBF#6	116
Method Blank	

Surrogate Compound	%REC Acceptable Limits
S1 >Hexafluoro-2-propanol	70 - 130

Calscience Environmental Laboratories, Inc.

GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 04-02-1134

Qualifier	Definition
3	Spike or Spike Duplicate compound was out of control due to a matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
ND	Not detected at indicated reporting limit.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 2/18/04

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 5510 Morehouse Dr.

CITY: San Diego, CA 92121 STATE ZIP

TEL: 858-458-9044 FAX: 858-458-0943 E-MAIL: michelle.woo@amec.com

CLIENT PROJECT NAME / NUMBER: POSD - wet weather monitoring

PROJECT CONTACT: Michelle Woo

SAMPLER(S) (SIGNATURE)

COELT LOG CODE

P.O. NO.:

LAB USE ONLY: 0 2 - 1 1 3 4

COOLER RECEIPT TEMP = ____ °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ COELT REPORTING

SPECIAL INSTRUCTIONS:
Please fax results as soon as they are available
(Accumulation began 5:30)

REQUESTED ANALYSES

LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or ____	BTEX / MTBE (8021B)	~~HALOCARBONS (8021B)~~ BOD by 405.1	~~VOCs (8260B)~~ by 624	VOCs (5035 / 8260B) EnCore	~~SVOCs (8270C)~~ COD by 410.4	PEST (8081A) Total Al, Fe,	~~PCBs (8082)~~ Glycols by GC/FID	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310) Total Pb, Cu, Zn dissolved Pb, Cu,	VOCs (TO-14A) or (TO-15)	TRPH	Total Suspended Solids	Specific Conductance	Oil & Grease	Ammonia
	SDIA #1	~~SDIA-1~~ LBF-1	3/18	3:30			X		X	X	X		X	X	X			X		X	X	X	X	X
	SDIA #2	LBF-2		4:00																				
	SDIA #3	LBF-3		4:30																				
	SDIA #4	LBF-4		4:40																				
	SDIA #5	LBF-5		5:30																				
	SDIA #6	LBF-6		5:10																				

Relinquished by: (Signature)	Received by: (Signature)	Date: 2/18/04	Time: 19:05
Relinquished by: (Signature) Adrienne	Received by: (Signature)	Date: 2/19/4	Time: 1415
Relinquished by: (Signature)	Received for Laboratory by: (Signature)	Date: 2/19/4	Time: 1635

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client

09/10/01 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 04 - 02 - 1134

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Ames DATE: 2/19/14

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ✓ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.
- 5 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Applicable (N/A): ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	(N) ✓	✓	
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

30 preserved vials ID LBF-1 received ~~are~~ empty.