State of California
STATE WATER RESOURCES CONTROL BOARD

2004-2005

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2004 through June 30, 2005

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

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

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

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No: 937I018035

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

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

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

B. Facility Operator Information:

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

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

C. Facility Billing Information:

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

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

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

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

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

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

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

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

   Re-evaluation Date**:** ___/___/____

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

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

   Re-evaluation Date**:** ___/___/____

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

   iv. ☐ Received Regional Board Certification Certification Date**:** ____/____/____

   v. ☐ Received Local Agency Certification Certification Date**:** ____/____/____

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

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

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

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? __2__

   If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

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

   ☒ **YES** ☐ **NO** **attach explanation** **(Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)**

3. How many storm water discharge locations are at your facility? __14__

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

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

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

   Date facility's drainage areas were last evaluated 08/19NN/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.

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ATTACHMENT SUMMARY

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

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

ANNUAL REPORT CERTIFICATION

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

Printed Name: PAUL MANASJAN

Signature:  Date: 6/28/05

Title: DIRECTOR, ENVIRONMENTAL AFFAIRS

ATTACHMENT 1

2004-2005
ANNUAL REPORT
San Diego International Airport (SDIA)

Attachment #1

Required Explanations, Discussion and Summary of Sampling Results

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

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

E.5 In August of 2003, during the development of the San Diego International Airport Storm Water Management Plan (SWMP) and as a continuation of the stormwater monitoring program existing at that time, the airport was divided into general discharge areas based on similar land use and operations. 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. These areas are shown in Figure 2-4 of the SWMP (see page 5 at http://www.san.org/documents/swmp/Chapter2_Description%20of%20Facility%20and%20Pollutant%20Source.pdf).

The six areas and the corresponding sample identifiers for each location are:

Sample site LBF #1 –	Aircraft runway
Sample site LBF #2 –	Perimeter road and taxiway ovals, parts of which are unpaved
Sample site LBF #3 –	Terminal 1 ramp area
Sample site LBF #4 –	Terminal 2 ramp area
Sample site LBF #5 –	North Ramp/parking apron
Sample site LBF #6 –	internal to the airport property at the boundary between the airside operations area and the NTC Landfill

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

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San Diego International Airport (SDIA)

Attachment #1

Required Explanations, Discussion and Summary of Sampling Results

G.1 During the months of October, November, December of 2004, and May, 2005, there were no rain events occurring during daylight hours of sufficient intensity or duration to allow for visual observations. The history of storm events during daylight hours for this reporting period is provided on attached Form 4.

2) 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 attached Form 1, Attachment #2, and attached Analytical Lab Reports). The Airport Authority continues to evaluate the effectiveness of all the BMPs at the airport based on the information provided below.

pH

Two of the twelve water samples analyzed had pH readings that fell outside the Multi-Sector Permit Benchmark values range of 6-9 pH units. LBF#5 (October 27, 2004) had a pH reading of 5.8 pH units and LBF#6 (December 28, 2004) had a pH reading of 5.9 pH units. In light of all the data and the fact that these two results are only slightly outside the benchmark values, these two sample results are not considered to be indicative of a concern.

TSS

None of the samples analyzed contained concentrations of total suspended solids (TSS) above the Multi-Sector Permit Benchmark values of 50 mg/L.

Specific Conductivity

None of the samples analyzed had a specific conductivity reading that exceeded the Multi-Sector Permit Benchmark value of 250 µohms/cm.

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San Diego International Airport (SDIA)

Attachment #1

Required Explanations, Discussion and Summary of Sampling Results

TPH (gasoline)

Two of the twelve water samples analyzed had total petroleum hydrocarbons (TPH) as gasoline that exceeded the Multi-Sector Permit Benchmark value of 0.5 ug/L. LBF#4 (October 27, 2004) had a concentration of 55 ug/L and LBF#3 (December 28, 2004) had a concentration of 59 ug/L. Given the locations of these samples, the fact that inlet water was collected for analyses, and the fact that the runoff being sampled would pass through an oil/water separator prior to discharge at the end of the pipe, these sample results do not suggest a significant concern.

TRPH

Four of the twelve samples analyzed contained a total recoverable petroleum hydrocarbons (TRPH) concentration. LBF#4 (October 27, 2004) had a concentration of 1.4 mg/L, LBF#2 (December 28, 2004) had a concentration of 1.5mg/L, LBF#3 (December 28, 2004) had a concentration of 2.3 mg/L and, LBF#6 (December 28, 2004) had a concentration of 1.1 mg/L. However, there are no listed Multi-Sector Permit Benchmark values for TRPH.

BTEX

Concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX) were not detected in any of the water samples collected.

Glycols

Concentrations of glycols were not detected in any of the water samples collected.

Total Iron

Two of the twelve water samples analyzed had total iron concentrations that exceeded the Multi-Sector Permit Benchmark value limit of 1.0 mg/L. LBF#2 (October 27, 2004) had a concentration of 1.1 mg/L. LBF#2 (December 28, 2004) had a concentration of 1.6 mg/L. In light of all the data and the fact that these results are only slightly above the benchmark value, these two sample results are not considered to be indicative of a concern.

Attachment #1

Required Explanations, Discussion and Summary of Sampling Results

Total Zinc

All of the samples analyzed had total zinc concentrations that exceeded the Multi-Sector Permit Benchmark values of 0.117 mg/L.

Total Lead

Nine of the twelve samples analyzed had total lead concentrations that exceeded the Multi-Sector Permit Benchmark values of 0.020 mg/L. The three samples that did not have concentrations exceeding the benchmark value were collected on October 27, 2004, at sample locations LBF#3, LBF#4, and LBF#6.

Dissolved Lead

None of the samples analyzed had dissolved lead concentrations above the Multi-Sector Permit Benchmark value of 0.020mg/L.

Total Aluminum

Three of the twelve samples analyzed had total aluminum concentrations that exceeded the Multi-Sector Permit Benchmark values of 0.75 mg/L. LBF#2 (October 27, 2004) had a concentration of 0.97 mg/L, LBF#2 (December 28, 2004) had a concentration of 1.2 mg/L, and LBF#6 (December 28, 2004) had a concentration of 0.78 mg/L. In light of all the data and the fact that these results are only slightly above the benchmark value, these three sample results are not considered to be indicative of a concern.

Total Copper

All of the samples had total copper concentrations that exceeded the Multi-Sector Permit Benchmark value of 0.030 mg/L.

Dissolved Copper

Nine of the twelve samples analyzed had dissolved copper concentrations that exceeded the Multi-Sector Permit Benchmark value of 0.030 mg/L. Of the three samples that did not have concentrations exceeding the benchmark value, two were collected on October 27, 2004, at sample locations LBF#1 and LBF#6. The

third sample not having a concentration that exceeded the benchmark value, was collected on December 28, 2004, at sample location LBF#4.

BOD/COD

None of the samples analyzed had biological oxygen demand (BOD) concentrations that exceeded the Multi-Sector Benchmark value of 30 mg/L.

None of the samples analyzed had chemical oxygen demand (COD) concentrations that exceeded the Multi-Sector Benchmark value of 120 mg/L.

Ammonia

None of the samples analyzed contained concentrations of ammonia that exceeded the Multi-Sector Permit Benchmark value of 19 mg/L.

3) Summary of Analytical Results

Overall, the water quality parameters and concentration of the various contaminants in the storm water samples collected and analyzed during the 2004-2005 reporting period were below the Multi-Sector Permit Benchmark values. Seventy-five percent (75%) or 173 of the 228 measurements were below the Multi-Sector Permit Benchmark values. There were, however, two sample locations in particular that accounted for nearly half of all the Multi-Sector Permit Benchmark values exceedances, namely, sample locations LBF#2 and LBF#3. In addition, four contaminants accounted for nearly four-fifths of all the Multi-Sector Permit Benchmark value exceedances.

Samples collected at sample location LBF#2 had concentrations of total iron, total aluminum, total copper, dissolved copper, total lead, and total zinc, which exceeded the Multi-Sector Permit Benchmark values. The sample site is within an airport taxiway oval, the majority of which is comprised of gravel. While the gravel may be a source of heavy metals, the site is also in close proximity to the aircraft touchdown area of the runway, where tire wear from landing aircraft is

most pronounced. This tire wear is a likely source for the heavy metals found in runoff collected at sample location LBF#2.

Samples collected at sample location LBF#3 had concentrations of TPH, total copper, dissolved copper, total lead, and total zinc, which exceed the Multi-Sector Permit Benchmark values. The sample site is within an airport terminal ramp and gate area, the majority of which is impervious concrete. The aircraft fueling activities in the gate area are the likely source of TPH. Brake pad wear from aircraft and other ground support vehicles in this area are likely sources for the heavy metals found in runoff collected at sample location LBF#3.

As noted in the discussion of analytical results above, total copper, dissolved copper, total lead, and total zinc represent contaminants of concern in the stormwater runoff at the airport. These four contaminants accounted for 42 of the 55 (or 76%) Multi-Sector Permit Benchmark value exceedances. These heavy metals are likely associated with the aircraft tire wear and aircraft/vehicle brake wear at the airport.

The analytical results for stormwater samples collected during the 2004-2005 reporting period are consistent with historic sampling data at the airport. Total copper, dissolved copper, total lead, and total zinc have been identified as contaminants of concern. In light of this, the San Diego County Regional Airport Authority is currently developing a revised stormwater sampling plan designed to identify the sources of these heavy metals. The Airport Authority is also evaluating the BMPs currently in place to control and eliminate heavy metal concentrations in stormwater runoff at the airport. Both the revised sampling plan and the BMP evaluation should be completed prior to the 2005-2006 rainy season. These two efforts are intended to outline new, additional, or modified BMPs that can be implemented to control or eliminate these contaminants.

ATTACHMENT 2

San Diego County Regional Airport Authority
Stormwater Monitoring Results, 2004-2005
San Diego International Airport

Collection Date: October 27, 2004

Constituents	Analytical Method	Units	Detection Limit	LBF #1	LBF #2	LBF #3	LBF #4	LBF #5	LBF #6
BTEX	EPA 8021B/8015B	µg/L	0.3	ND	ND	ND	ND	ND	ND
TPH (gas)	EPA 8021B/8015B	µg/L	100	ND	ND	ND	55	ND	ND
TRPH	EPA 418.1	mg/L	1.0	ND	ND	1.4	ND	ND	ND
Total Suspended Solids (TSS)	EPA 160.2	mg/L	1.0	5.0	16.0	3.0	2.0	ND	2.0
pH	EPA 150.1	pH units	0.01	6.8	6.6	6.6	6.4	5.8	6.2
Specific Conductance	EPA 120.1	µmhos/cm	1.0	42.9	53.0	40.2	33.6	7.5	31.0
Oil and Grease	EPA 1664A	mg/L	1.0	1.20	2.60	1.00	ND	ND	1.50
Total Iron (Fe)	EPA 6010B	mg/L	0.10	0.25	1.1	0.10	ND	0.48	0.12
Total Zinc(Zn)	EPA 6020	mg/L	0.005	22	19	130	37	18	67
Total Lead (Pb)	EPA 6020	mg/L	0.001	3.7	5.6	ND	ND	2.3	ND
Dissolved Lead (Pb)	EPA 200.8	mg/L	0.001	ND	ND	ND	ND	ND	ND
Total Aluminum (Al)	EPA 6010B	mg/L	0.05	0.22	0.97	0.076	ND	0.5	0.12
Total Copper (Cu)	EPA 6020	mg/L	0.001	7.9	80	21	7.3	18	6.9
Dissolved Copper (Cu)	EPA 6020	mg/L	0.001	ND	53	14	7.1	9.2	ND
Volatile Organic Carbon	EPA 624	µg/L	0.5 -10	ND	ND	ND	ND	ND	ND
BOD	EPA 405.1	mg/L	1.0	2.80	4.00	9.20	4.30	ND	3.40
COD	EPA 410.4	mg/L	5.0	6.00	9.00	21.00	10.00	ND	8.00
Ammonia	EPA 350.1	mg/L	0.1	0.140	0.470	0.110	0.180	0.450	0.220
Glycols	EPA 8015	mg/L	50	ND	ND	ND	ND	ND	ND

ND = Not Detected

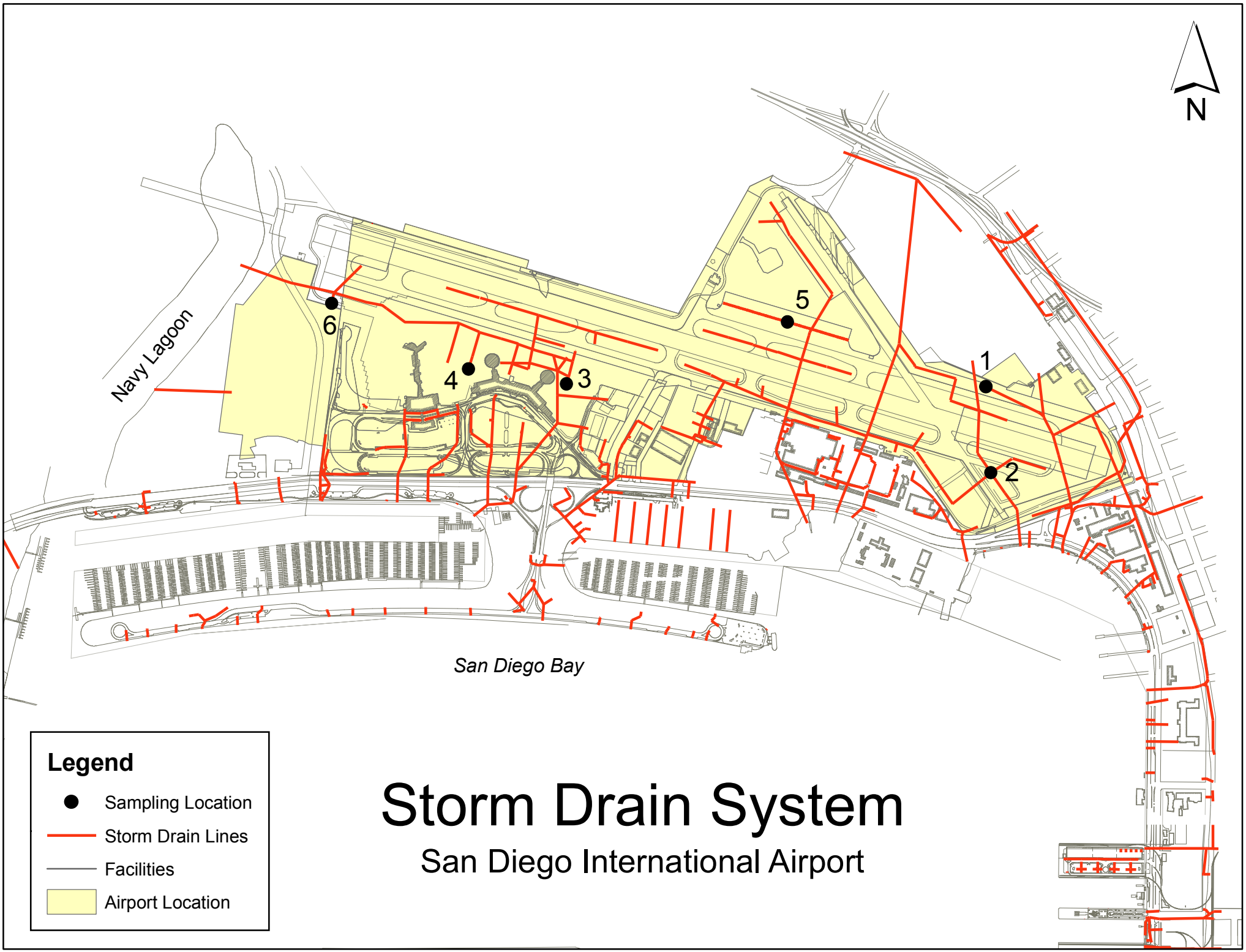
San Diego County Regional Airport Authority
Stormwater Monitoring Results, 2004-2005
San Diego International Airport

Collection Date: December 28, 2004

Constituents	Analytical Method	Units	Detection Limit	LBF #1	LBF #2	LBF #3	LBF #4	LBF #5	LBF #6
BTEX	EPA 8021B/8015B	µg/L	0.3	ND	ND	ND	ND	ND	ND
TPH (gas)	EPA 8021B/8015B	µg/L	100	ND	ND	59	ND	ND	ND
TRPH	EPA 418.1	mg/L	1.0	ND	1.5	2.3	ND	ND	1.1
Total Suspended Solids (TSS)	EPA 160.2	mg/L	1.0	6.0	44.0	9.0	2.0	10.0	17.0
pH	EPA 150.1	pH units	0.01	6.3	6.1	6.5	6.0	6.0	5.9
Specific Conductance	EPA 120.1	µmhos/cm	1.0	43.5	125.0	69.2	28.5	26.1	44.1
Oil and Grease	EPA 1664A	mg/L	1.0	1.70	2.10	1.90	1.30	1.50	2.30
Total Iron (Fe)	EPA 6010B	mg/L	0.10	0.61	1.6	0.24	0.21	0.45	0.98
Total Zinc(Zn)	EPA 6020	mg/L	0.005	150	32	120	59	28	310
Total Lead (Pb)	EPA 6020	mg/L	0.001	11.0	6.5	2.0	2.0	2.3	6.6
Dissolved Lead (Pb)	EPA 200.8	mg/L	0.001	ND	ND	ND	ND	ND	ND
Total Aluminum (Al)	EPA 6010B	mg/L	0.05	0.41	1.2	0.12	0.12	0.39	0.78
Total Copper (Cu)	EPA 6020	mg/L	0.001	20	120	26	15	29	22
Dissolved Copper (Cu)	EPA 6020	mg/L	0.001	7.1	85	12	ND	20	7.1
Volatile Organic Carbon	EPA 624	µg/L	0.5 -10	ND	ND	ND	ND	ND	ND
BOD	EPA 405.1	mg/L	1.0	4.20	26.00	4.80	ND	12.60	15.00
COD	EPA 410.4	mg/L	5.0	9.0	63.0	10.0	ND	28.0	34.0
Ammonia	EPA 350.1	mg/L	0.1	0.210	0.280	0.350	0.260	0.570	0.230
Glycols	EPA 8015	mg/L	50	ND	ND	ND	ND	ND	ND

ND = Not Detected

ATTACHMENT 3


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

FORMS

2004 - 2005
ANNUAL REPORT
FORM 1 - SAMPLING ANALYSIS RESULTS

FIRST STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

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

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

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: **Richard Gilb** TITLE: Manager, Environmental Affairs SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event								
			Basic Parameters				Other Parameters				
			pH	TSS	SC	O&G	BTEX	TPH (gas)	TRPH	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
LBF #1	10/27/2004 4:50 am	4:00 am	6.8	5.0	42.9	1.20	>0.3	>100	>1.0	0.25	22
LBF #2	10/27/2004 4:15 am	4:00 am	6.6	16.0	53.0	2.60	>0.3	>100	>1.0	1.1	19
LBF #3	10/27/2004 7:53 am	4:00 am	6.6	3.0	40.2	1.00	>0.3	>100	1.4	0.1	130
LBF #4	10/27/2004 7:05 am	4:00 am	6.4	2.0	33.6	>1.0	>0.3	55	>1.0	>0.10	37
LBF #5	10/27/2004 5:20 am	4:00 am	5.8	>1.0	7.53	>1.0	>0.3	>100	>1.0	0.48	18
LBF #6	10/27/2004 6:45 am	4:00 am	6.2	2.0	31.0	1.50	>0.3	>100	>1.0	0.12	67
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	EPA 8021B/8015B	EPA 8021B/8015B	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

2004 - 2005
ANNUAL REPORT
FORM 1 - SAMPLING ANALYSIS RESULTS

FIRST STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

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

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

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: **Richard Gilb** TITLE: Manager, Environmental Affairs SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for First Storm Event									
			Other Parameters									
			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	10/27/2004 4:50 am	4:00 am	3.7	>0.001	0.22	7.9	>0.001	>0.5-10	2.80	6.00	0.140	>50
LBF #2	10/27/2004 4:15 am	4:00 am	5.6	>0.001	0.97	80	53	>0.5-10	4.00	9.00	0.470	>50
LBF #3	10/27/2004 7:53 am	4:00 am	>0.001	>0.001	0.076	21	14	>0.5-10	9.20	21.00	0.110	>50
LBF #4	10/27/2004 7:05 am	4:00 am	>0.001	>0.001	>0.05	7.3	7.1	>0.5-10	4.30	10.00	0.180	>50
LBF #5	10/27/2004 5:20 am	4:00 am	2.3	>0.001	0.5	18	9.2	>0.5-10	>1.0	>5.0	0.450	>50
LBF #6	10/27/2004 6:45 am	4:00 am	>0.001	>0.001	0.12	6.9	>0.001	>0.5-10	3.40	8.00	0.220	>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 200.8	EPA 6010B	EPA 6020	EPA 6020	EPA 624	EPA 405.1	EPA 410.4	EPA 350.1	EPA 8015
	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

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ANNUAL REPORT
FORM 1 - SAMPLING ANALYSIS RESULTS

SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

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

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

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: **Richard Gilb** TITLE: Manager, Environmental Affairs SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event								
			Basic Parameters				Other Parameters				
			pH	TSS	SC	O&G	BTEX	TPH (gas)	TRPH	TOTAL IRON Fe_t	TOTAL ZINC Zn_t
LBF #1	12/28/2004 7:30 am	7:00 am	6.3	6.0	43.5	1.70	>0.3	>100	>1.0	0.61	150
LBF #2	12/28/2004 8:00 am	7:00 am	6.1	44.0	125	2.10	>0.3	>100	1.5	1.6	32
LBF #3	12/28/2004 9:00 am	7:00 am	6.5	9.0	69.2	1.90	>0.3	59	2.3	0.24	120
LBF #4	12/28/2004 8:30 am	7:00 am	6.0	2.0	28.5	1.30	>0.3	>100	>1.0	0.21	59
LBF #5	12/28/2004 7:30 am	7:00 am	6.0	10.0	26.1	1.50	>0.3	>100	>1.0	0.45	28
LBF #6	12/28/2004 8:00 am	7:00 am	5.9	17.0	44.1	2.30	>0.3	>100	1.1	0.98	310
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	EPA 8021B/8015B	EPA 8021B/8015B	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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ANNUAL REPORT
FORM 1 - SAMPLING ANALYSIS RESULTS

SECOND STORM EVENT

· If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)

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

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

· Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLES: **Richard Gilb** TITLE: Manager, Environmental Affairs SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS for Second Storm Event									
			Other Parameters									
			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	12/28/2004 7:30 am	7:00 am	11.0	>0.001	0.41	20	7.1	>0.5-10	4.20	9.0	0.210	>50
LBF #2	12/28/2004 8:00 am	7:00 am	6.5	>0.001	1.2	120	85	>0.5-10	26.00	63.0	0.280	>50
LBF #3	12/28/2004 9:00 am	7:00 am	2.0	>0.001	0.12	26	12	>0.5-10	4.80	10.0	0.350	>50
LBF #4	12/28/2004 8:30 am	7:00 am	2.0	>0.001	0.12	15	>0.001	>0.5-10	>1.0	>5.0	0.260	>50
LBF #5	12/28/2004 7:30 am	7:00 am	2.3	>0.001	0.39	29	20	>0.5-10	12.60	28.0	0.570	>50
LBF #6	12/28/2004 8:00 am	7:00 am	6.6	>0.001	0.78	22	7.1	>0.5-10	15.00	34.0	0.230	>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 200.8	EPA 6010B	EPA 6020	EPA 6020	EPA 624	EPA 405.1	EPA 410.4	EPA 350.1	EPA 8015
	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

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SIDE A

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

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

QUARTER: **JULY-SEPT.** DATE: 9 / 9 / 04	**Observers Name:** Richard Gilb **Title:** Environmental Affairs Manager **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ■ **YES** ☐ **NO**	If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 12 / 22 / 04	**Observers Name:** Richard Gilb **Title:** Environmental Affairs Manager **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ■ **YES** ☐ **NO**	If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: 2 / 9 / 05	**Observers Name:** Mayela Padilla **Title:** Assistant Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ■ **NO**	If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 5 / 23 & 31 / 05	**Observers Name:** Mayela Padilla **Title:** Assistant Environmental Specialist **Signature:**	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ **YES** ■ **NO**	If **YES**, complete reverse side of this form.

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SIDE B

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

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD	NAME OF AUTHORIZED NSWD	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
	EXAMPLE: Air conditioner Units on Building C	EXAMPLE: Air conditioner condensate	At the NSWD Source	At the NSWD Drainag Area and Discharge Location	
9 / 9 / 04 2:00 ☐ AM ■ PM	Supply cart at Gate 33.	Melting ice (potable water).	Clear.	Clear; does not reach storm drain inlets.	None necessary.
9 / 9 / 04 2:00 ☐ AM ■ PM	Water cabinet at Gate 19.	Potable drinking water hose for aircraft servicing.	Clear.	Clear; does not reach storm drain inlets.	None necessary. Leaking hose fixed 9/23/04.
12 / 22 / 04 9:00 ■ AM ☐ PM	Water pipe and fire service hookup east of ARFF station.	Fire hydrant discharge during operations to fill trunk tanks.	Clear.	Clear; does not reach storm drain inlets.	None necessary.
/ / : ☐ AM ☐ PM					
/ / : ☐ AM ☐ PM					

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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** 9 / 9 / 04 ☐ AM 2:00 ■ PM	**Observers Name:** Richard Gilb **Title:** Environmental Affairs Manager **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** 12/22/ 04 ■ AM 9:00 ☐ PM	**Observers Name:** Richard Gilb **Title:** Environmental Affairs Manager **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** 2 / 9 / 05 ■ AM 9:00 ☐ PM	**Observers Name:** Mayela Padilla **Title:** Assistant Environmental Specialist **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ■ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ■ NO	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE/TIME OF OBSERVATIONS** 5 / 23 & 31 / 05 & 9:00 AM & 2:00 PM	**Observers Name:** Mayela Padilla **Title:** Assistant Environmental Specialist **Signature:**	**WERE UNAUTHORIZED NSWDs OBSERVED?** ■ YES ☐ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ■ YES ☐ NO	If **YES** to either question, complete reverse side.

SIDE B

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

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.		DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
			AT THE UNAUTHORIZED NSWD SOURCE	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION	
12 / 22 / 04 9:00 ■ AM ☐ PM	Leaking ground service equipment.	Menlo Worldwide operations area.	Oil staining and used absorbent material.	Confined to source location; does not reach storm drain inlets.	Operations supervisor cleaned up absorbent and staining the same day.
5 / 23 / 05 9:00 ■ AM ☐ PM	Hand wash water.	Between Gates 13 & 14.	White staining.	Confined to source location; does not reach storm drain inlets.	Surface area cleaned and valve to faucet removed 6/28/05 to prevent such use.
5 / 31 / 05 2:00 ☐ AM ■ PM	Fuel spill.	Jimsair FBO.	Approximately 2-3 gallons of fuel spilled to concrete ramp.	Confined to source location; does not reach storm drain inlets.	Jimsair crew cleaned up immediately with absorbent.
/ / : ☐ AM ☐ PM					

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FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

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

Observation Date: October 17 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Time Discharge Began: None – insufficient volume Observation Time: 9:30 A.M. Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Observation Date: November 7, 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Time Discharge Began: None – insufficient volume Observation Time: 10:00 A.M. Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Observation Date: November 21, 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Time Discharge Began: None – short duration Observation Time: 7:30 A.M. Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				

2004 – 2005
ANNUAL REPORT
FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

ADDITIONAL PAGES

Observation Date: December 8, 2004 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Time Discharge Began: None – insufficient volume Observation Time: 7:30 A.M. Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Observation Date: January 7, 2005 Observers Name: Mayela Padilla Title: Assistant Environmental Specialist Signature: Time Discharge Began: 8:50 A.M. Observation Time: 9:45 – 10:05 A.M. Were Pollutants Observed: NO (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	9:52 A.M	9:46 A.M.	10:04 A.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	☐ YES ■ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	10:02 A.M.	9:55 A.M.	10:00 A.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	☐ YES ■ NO
Observation Date: February 10, 2005 Observers Name: Mayela Padilla Title: Assistant Environmental Specialist Signature: Time Discharge Began: 1:45 P.M. Observation Time: 2:00 – 2:35 P.M. Were Pollutants Observed: NO (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	2:08 P.M	2:05 P.M.	2:35 P.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	☐ YES ■ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	2:30 P.M	2:17 P.M.	2:24 P.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	☐ YES ■ NO

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				

2004 – 2005
ANNUAL REPORT
FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

ADDITIONAL PAGES

Observation Date: March 4, 2005 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Time Discharge Began: 4:15 P.M. Observation Time: 4:30 P.M. Were Pollutants Observed: YES (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	4:33 P.M	4:38 P.M.	4:38 P.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	■ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	4:55 P.M	4:51 P.M.	4:48 P.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	■ YES ☐ NO
Observation Date: April 4, 2005 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature: Time Discharge Began: None – insufficient volume Observation Time: 10:30 A.M. Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Observation Date: April 22, 2005 Observers Name: Mayela Padilla Title: Assistant Environmental Specialist Signature: Time Discharge Began: 3:15 P.M. Observation Time: 3:45 P.M. Were Pollutants Observed: YES (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	3:44 P.M	4:40 P.M.	4:05 P.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	☐ YES ■ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	4:02 P.M	3:54 P.M.	3:58 P.M.
	Were Pollutants Observed	☐ YES ■ NO	☐ YES ■ NO	■ YES ☐ NO

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
3 / 4 / 05 4:42 PM	Sample Site #6 - Discharge from north ramp area near Control Tower.	Oil sheen visible – approx. 6 inch wide band within 3 foot wide flow.	Likely from aircraft parking on north ramp.	No revised or new BMPs required. Flow from this area passes through an oil/water separator before discharging from site.
3 / 4 / 05 4:48 PM	Sample Site #6 - Discharge from west end of runway and NTC Landfill.	Oil sheen visible on sidewall of concrete channel leading to Sample Site #6. Minor sheen visible in flow.	Potentially resulting from herbicide application in the west ramp area on 3/2/05.	No revised or new BMPs required. Review herbicide application practices with Facility Maintenance Department staff.
NA / / : ☐ AM ☐ PM				
4 / 22 / 05 3:58 PM	Sample Site #6 - Discharge from west end of runway and NTC Landfill.	Trash and debris in clear water flow.	Wind-blown trash and debris.	No revised or new BMPs required. Facility Maintenance Department conducted cleanup on April 25, 2005.
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				

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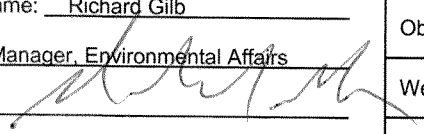
ANNUAL REPORT
FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

ADDITIONAL PAGES

Observation Date: May 16, 2005 Observers Name: Richard Gilb Title: Manager, Environmental Affairs Signature:  Time Discharge Began: None – insufficient volume Observation Time: 1930 Were Pollutants Observed: N/A (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Observation Date: N/A Observers Name: _____ Title: _____ Signature: _____ Time Discharge Began: _____ Observation Time: _____ Were Pollutants Observed: _____ (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Observation Date: N/A Observers Name: _____ Title: _____ Signature: _____ Time Discharge Began: _____ Observation Time: _____ Were Pollutants Observed: _____ (If yes, complete reverse side)	Drainage Location Description	#1	#2	#3
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
	Drainage Location Description	#4	#5	#6
	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM
	Were Pollutants Observed	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				
NA / / : ☐ AM ☐ PM				

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SIDE A

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

EVALUATION DATE: May/June 2005 **INSPECTOR NAME:** Mayela Padilla **TITLE:** Assistant Environmental Specialist **SIGNATURE:**_____

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?	If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Delta Air Lines	■ YES / ☐ NO ☐ YES / ■ NO		Used absorbent material left on the ground near the stairwell in between Gates 38 & 39. Trash and debris found on the storm drain inlets at the Delta Freight facility. Wooden pallets not being properly managed or disposed of at the Delta Freight facility.	Delta Air Lines was notified of the violation by letter. Problem was abated on June 6, 2005.
HMS Host Corporation	■ YES / ☐ NO ☐ YES / ■ NO		Evidence of improper washing of containers in the area near gate 11. Evidence of staining and spillage around the grease trap area near gate 11. Improper handling/disposal of waste and garbage near gate 11.	HMS Host Corporation was notified of the violation by letter. Problem was abated on June 23, 2005.
Jimsair	■ YES / ☐ NO ☐ YES / ■ NO		Evidence of improper washing activities behind hangar. Ground support equipment (GSE) leaking fluids to the ground in the vehicle maintenance shop area. Fuel spill from tank in the bed of truck onto the ground in the vehicle maintenance shop area.	Jimsair was notified of the violation by letter. Problem was abated on June 23, 2005.

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SIDE A

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

EVALUATION DATE: May/June 2005 **INSPECTOR NAME:** Mayela Padilla **TITLE:** Assistant Environmental Specialist **SIGNATURE:**_____

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? / ARE ADDITIONAL/REVISED BMPs NECESSARY?		Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Northwest Airlines	■ YES / ☐ NO ☐ YES / ■ NO	If yes, to either question, complete the next two columns of this form	Improper storage of containers of engine oil at the NWA Freight facility. Used absorbent material left on the ground in the vehicle maintenance area located in between Gates 26 and 28.	Northwest Airlines was notified of the violation by letter. Problem was abated on June 14, 2005.
Swissport	■ YES / ☐ NO ☐ YES / ■ NO	If yes, to either question, complete the next two columns of this form	Improper storage of hazardous materials and wastes. Used absorbent material left on the ground.	Swissport was notified of the violation by letter. Problem was abated on June 6, 2005.
United Airlines, Inc.	■ YES / ☐ NO ☐ YES / ■ NO	If yes, to either question, complete the next two columns of this form	Hand washing at the potable water supply located in between Gates 13 and 14. Palettes are not being properly managed at the United Airlines Freight facility	United Airlines was notified of the violation by letter. Problem was abated by June 24, 2005.
US Airways, Inc.	■ YES / ☐ NO ☐ YES / ■ NO	If yes, to either question, complete the next two columns of this form	Hand washing at the potable water supply located in between Gates 13 and 14.	US Airways was notified of the violation by letter. Problem was abated by June 24, 2005.

ANALYTICAL DATA

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Station #1-LBF	0410406-01	Liquid	10/27/04 04:50	10/27/04 11:00
Station #2-LBF	0410406-02	Liquid	10/27/04 04:15	10/27/04 11:00
Station #3-LBF	0410406-03	Liquid	10/27/04 07:53	10/27/04 11:00
Station #4-LBF	0410406-04	Liquid	10/27/04 07:05	10/27/04 11:00
Station #5-LBF	0410406-05	Liquid	10/27/04 05:20	10/27/04 11:00
Station #6-LBF	0410406-06	Liquid	10/27/04 06:45	10/27/04 11:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 6 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

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

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid	**Sampled: 10/27/04 04:50**	**Received: 10/27/04 11:00**							
Ammonia as N	**0.140**	0.100	mg/L	1	B4J2737	10/27/04	10/27/04	EPA 350.1	
Biochemical Oxygen Demand	**2.80**	2.00	"	"	"	"	11/01/04	EPA 405.1	
Chemical Oxygen Demand	**6.00**	0.100	"	"	"	"	10/27/04	EPA 410.4	
Specific Conductance (EC)	**42.9**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.20**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.80**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**5.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
Station #2-LBF (0410406-02) Liquid	**Sampled: 10/27/04 04:15**	**Received: 10/27/04 11:00**							
Ammonia as N	**0.470**	0.100	mg/L	1	B4J2737	10/27/04	10/27/04	EPA 350.1	
Biochemical Oxygen Demand	**4.00**	2.00	"	"	"	"	11/01/04	EPA 405.1	
Chemical Oxygen Demand	**9.00**	0.100	"	"	"	"	10/27/04	EPA 410.4	
Specific Conductance (EC)	**53.0**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.60**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.60**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**16.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
Station #3-LBF (0410406-03) Liquid	**Sampled: 10/27/04 07:53**	**Received: 10/27/04 11:00**							
Ammonia as N	**0.110**	0.100	mg/L	1	B4J2737	10/27/04	10/27/04	EPA 350.1	
Biochemical Oxygen Demand	**9.20**	2.00	"	"	"	"	11/01/04	EPA 405.1	
Chemical Oxygen Demand	**21.0**	0.100	"	"	"	"	10/27/04	EPA 410.4	
Specific Conductance (EC)	**40.2**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.00**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.60**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**3.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #4-LBF (0410406-04) Liquid	**Sampled: 10/27/04 07:05**		**Received: 10/27/04 11:00**						
Ammonia as N	**0.180**	0.100	mg/L	1	B4J2737	10/27/04	10/27/04	EPA 350.1	
Biochemical Oxygen Demand	**4.30**	2.00	"	"	"	"	11/01/04	EPA 405.1	
Chemical Oxygen Demand	**10.0**	0.100	"	"	"	"	10/27/04	EPA 410.4	
Specific Conductance (EC)	**33.6**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.40**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**2.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
Station #5-LBF (0410406-05) Liquid	**Sampled: 10/27/04 05:20**		**Received: 10/27/04 11:00**						
Ammonia as N	**0.450**	0.100	mg/L	1	B4J2737	10/27/04	10/27/04	EPA 350.1	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	11/01/04	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	10/27/04	EPA 410.4	
Specific Conductance (EC)	**7.53**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	ND	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**5.80**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	"	"	"	EPA 160.2	
Station #6-LBF (0410406-06) Liquid	**Sampled: 10/27/04 06:45**		**Received: 10/27/04 11:00**						
Ammonia as N	**0.220**	0.100	mg/L	1	B4J2737	10/27/04	10/27/04	EPA 350.1	
Biochemical Oxygen Demand	**3.40**	2.00	"	"	"	"	11/01/04	EPA 405.1	
Chemical Oxygen Demand	**8.00**	0.100	"	"	"	"	10/27/04	EPA 410.4	
Specific Conductance (EC)	**31.0**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.50**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.20**	0.100	pH Units	"	"	"	"	EPA 150.1	
Total Suspended Solids	**2.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid	**Sampled: 10/27/04 04:50**		**Received: 10/27/04 11:00**						
Aluminum	**0.22**	0.063	mg/L	1	B4J2823	10/28/04	10/29/04	EPA 6010B	
Copper	**7.9**	5.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Iron	**0.25**	0.064	mg/L	"	B4J2823	10/28/04	10/29/04	EPA 6010B	
Lead	**3.7**	2.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Zinc	**22**	10	"	"	"	"	"	"	
Station #2-LBF (0410406-02) Liquid	**Sampled: 10/27/04 04:15**		**Received: 10/27/04 11:00**						
Aluminum	**0.97**	0.063	mg/L	1	B4J2823	10/28/04	10/29/04	EPA 6010B	
Copper	**80**	5.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Iron	**1.1**	0.064	mg/L	"	B4J2823	10/28/04	10/29/04	EPA 6010B	
Lead	**5.6**	2.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Zinc	**19**	10	"	"	"	"	"	"	
Station #3-LBF (0410406-03) Liquid	**Sampled: 10/27/04 07:53**		**Received: 10/27/04 11:00**						
Aluminum	**0.076**	0.063	mg/L	1	B4J2823	10/28/04	10/29/04	EPA 6010B	
Copper	**21**	5.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Iron	**0.10**	0.064	mg/L	"	B4J2823	10/28/04	10/29/04	EPA 6010B	
Lead	ND	2.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Zinc	**130**	10	"	"	"	"	"	"	
Station #4-LBF (0410406-04) Liquid	**Sampled: 10/27/04 07:05**		**Received: 10/27/04 11:00**						
Aluminum	ND	0.063	mg/L	1	B4J2823	10/28/04	10/29/04	EPA 6010B	
Copper	**7.3**	5.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Iron	ND	0.064	mg/L	"	B4J2823	10/28/04	10/29/04	EPA 6010B	
Lead	ND	2.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Zinc	**37**	10	"	"	"	"	"	"	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #5-LBF (0410406-05) Liquid Sampled: 10/27/04 05:20 Received: 10/27/04 11:00									
Aluminum	**0.50**	0.063	mg/L	1	B4J2823	10/28/04	10/29/04	EPA 6010B	
Copper	**18**	5.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Iron	**0.48**	0.064	mg/L	"	B4J2823	10/28/04	10/29/04	EPA 6010B	
Lead	**2.3**	2.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Zinc	**18**	10	"	"	"	"	"	"	
Station #6-LBF (0410406-06) Liquid Sampled: 10/27/04 06:45 Received: 10/27/04 11:00									
Aluminum	**0.12**	0.063	mg/L	1	B4J2823	10/28/04	10/29/04	EPA 6010B	
Copper	**6.9**	5.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Iron	**0.12**	0.064	mg/L	"	B4J2823	10/28/04	10/29/04	EPA 6010B	
Lead	ND	2.0	µg/L	"	B4J2824	10/28/04	11/02/04	EPA 6020	
Zinc	**67**	10	"	"	"	"	"	"	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals (Dissolved) by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid	**Sampled: 10/27/04 04:50**		**Received: 10/27/04 11:00**						
Copper	ND	5.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 6020	
Station #2-LBF (0410406-02) Liquid	**Sampled: 10/27/04 04:15**		**Received: 10/27/04 11:00**						
Copper	**53**	5.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 6020	
Station #3-LBF (0410406-03) Liquid	**Sampled: 10/27/04 07:53**		**Received: 10/27/04 11:00**						
Copper	**14**	5.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 6020	
Station #4-LBF (0410406-04) Liquid	**Sampled: 10/27/04 07:05**		**Received: 10/27/04 11:00**						
Copper	**7.1**	5.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 6020	
Station #5-LBF (0410406-05) Liquid	**Sampled: 10/27/04 05:20**		**Received: 10/27/04 11:00**						
Copper	**9.2**	5.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 6020	
Station #6-LBF (0410406-06) Liquid	**Sampled: 10/27/04 06:45**		**Received: 10/27/04 11:00**						
Copper	ND	5.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 6020	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid	**Sampled: 10/27/04 04:50**		**Received: 10/27/04 11:00**						
Lead	ND	2.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 200.8	
Station #2-LBF (0410406-02) Liquid	**Sampled: 10/27/04 04:15**		**Received: 10/27/04 11:00**						
Lead	ND	2.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 200.8	
Station #3-LBF (0410406-03) Liquid	**Sampled: 10/27/04 07:53**		**Received: 10/27/04 11:00**						
Lead	ND	2.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 200.8	
Station #4-LBF (0410406-04) Liquid	**Sampled: 10/27/04 07:05**		**Received: 10/27/04 11:00**						
Lead	ND	2.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 200.8	
Station #5-LBF (0410406-05) Liquid	**Sampled: 10/27/04 05:20**		**Received: 10/27/04 11:00**						
Lead	ND	2.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 200.8	
Station #6-LBF (0410406-06) Liquid	**Sampled: 10/27/04 06:45**		**Received: 10/27/04 11:00**						
Lead	ND	2.0	µg/L	1	B4J2826	10/28/04	11/02/04	EPA 200.8	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Total Recoverable Petroleum Hydrocarbons (TRPH) by IR

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid	**Sampled: 10/27/04 04:50**		**Received: 10/27/04 11:00**						
TRPH	ND	1.0	mg/L	1	B4K0518	10/29/04	10/29/04	EPA 418.1	
Station #2-LBF (0410406-02) Liquid	**Sampled: 10/27/04 04:15**		**Received: 10/27/04 11:00**						
TRPH	ND	1.0	mg/L	1	B4K0518	10/29/04	10/29/04	EPA 418.1	
Station #3-LBF (0410406-03) Liquid	**Sampled: 10/27/04 07:53**		**Received: 10/27/04 11:00**						
TRPH	**1.4**	1.0	mg/L	1	B4K0518	10/29/04	10/29/04	EPA 418.1	
Station #4-LBF (0410406-04) Liquid	**Sampled: 10/27/04 07:05**		**Received: 10/27/04 11:00**						
TRPH	ND	1.0	mg/L	1	B4K0518	10/29/04	10/29/04	EPA 418.1	
Station #5-LBF (0410406-05) Liquid	**Sampled: 10/27/04 05:20**		**Received: 10/27/04 11:00**						
TRPH	ND	1.0	mg/L	1	B4K0518	10/29/04	10/29/04	EPA 418.1	
Station #6-LBF (0410406-06) Liquid	**Sampled: 10/27/04 06:45**		**Received: 10/27/04 11:00**						
TRPH	ND	1.0	mg/L	1	B4K0518	10/29/04	10/29/04	EPA 418.1	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid Sampled: 10/27/04 04:50 Received: 10/27/04 11:00									
Acrolein	ND	10	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*88-110*	"	"	"	"	

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

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid	**Sampled: 10/27/04 04:50**		**Received: 10/27/04 11:00**						
Surrogate: 4-Bromofluorobenzene	*98.0 %*		*86-115*		*B4K0103*	*10/28/04*	*10/28/04*	*EPA 624*	
Station #2-LBF (0410406-02) Liquid	**Sampled: 10/27/04 04:15**		**Received: 10/27/04 11:00**						
Acrolein	ND	10	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #2-LBF (0410406-02) Liquid Sampled: 10/27/04 04:15 Received: 10/27/04 11:00									
Methyl tert-butyl ether	ND	1.0	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Surrogate: Dibromofluoromethane		*109 %*		*86-118*		"	"	"	"
Surrogate: Toluene-d8		*99.2 %*		*88-110*		"	"	"	"
Surrogate: 4-Bromofluorobenzene		*95.2 %*		*86-115*		"	"	"	"
Station #3-LBF (0410406-03) Liquid Sampled: 10/27/04 07:53 Received: 10/27/04 11:00									
Acrolein	ND	10	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #3-LBF (0410406-03) Liquid Sampled: 10/27/04 07:53 Received: 10/27/04 11:00									
Vinyl chloride	ND	1.0	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*98.8 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*		*86-115*	"	"	"	"	
Station #4-LBF (0410406-04) Liquid Sampled: 10/27/04 07:05 Received: 10/27/04 11:00									
Acrolein	ND	10	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #4-LBF (0410406-04) Liquid Sampled: 10/27/04 07:05 Received: 10/27/04 11:00									
1,1,2-Trichloroethane	ND	1.0	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*		*86-115*	"	"	"	"	
Station #5-LBF (0410406-05) Liquid Sampled: 10/27/04 05:20 Received: 10/27/04 11:00									
Acrolein	ND	10	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #5-LBF (0410406-05) Liquid Sampled: 10/27/04 05:20 Received: 10/27/04 11:00									
Tetrachloroethene	ND	1.0	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*		*86-115*	"	"	"	"	
Station #6-LBF (0410406-06) Liquid Sampled: 10/27/04 06:45 Received: 10/27/04 11:00									
Acrolein	ND	10	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #6-LBF (0410406-06) Liquid Sampled: 10/27/04 06:45 Received: 10/27/04 11:00									
Ethylbenzene	ND	1.0	µg/L	1	B4K0103	10/28/04	10/28/04	EPA 624	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*86-115*	"	"	"	"	

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

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

BTEX/MTBE/TVPH-Gasoline Range Hydrocarbons (C4-C12) by EPA Method 8021B and 8015B in series

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #1-LBF (0410406-01) Liquid Sampled: 10/27/04 04:50 Received: 10/27/04 11:00									
Benzene	ND	0.50	µg/L	1	B4K0202	11/02/04	11/02/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*		*70-125*		"	"	"	
Station #2-LBF (0410406-02) Liquid Sampled: 10/27/04 04:15 Received: 10/27/04 11:00									
Benzene	ND	0.50	µg/L	1	B4K0202	11/02/04	11/02/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*		*70-125*		"	"	"	
Station #3-LBF (0410406-03) Liquid Sampled: 10/27/04 07:53 Received: 10/27/04 11:00									
Benzene	ND	0.50	µg/L	1	B4K0202	11/02/04	11/02/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.5 %*		*70-125*		"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

BTEX/MTBE/TVPH-Gasoline Range Hydrocarbons (C4-C12) by EPA Method 8021B and 8015B in series

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Station #4-LBF (0410406-04) Liquid Sampled: 10/27/04 07:05 Received: 10/27/04 11:00									
Benzene	ND	0.50	µg/L	1	B4K0202	11/02/04	11/02/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	**55**	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-125*		"	"	"	"	
Station #5-LBF (0410406-05) Liquid Sampled: 10/27/04 05:20 Received: 10/27/04 11:00									
Benzene	ND	0.50	µg/L	1	B4K0202	11/02/04	11/02/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.5 %*	*70-125*		"	"	"	"	
Station #6-LBF (0410406-06) Liquid Sampled: 10/27/04 06:45 Received: 10/27/04 11:00									
Benzene	ND	0.50	µg/L	1	B4K0202	11/02/04	11/02/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*70-125*		"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2823 - EPA 3010A										
Blank (B4J2823-BLK1)				Prepared: 10/28/04 Analyzed: 10/29/04						
Aluminum	ND	0.063	mg/L							
Iron	ND	0.064	"							
LCS (B4J2823-BS1)				Prepared: 10/28/04 Analyzed: 10/29/04						
Aluminum	0.187	0.063	mg/L	0.200		93.5	78-122			
Iron	0.196	0.064	"	0.200		98.0	80-120			
Matrix Spike (B4J2823-MS1)	**Source: 0410402-03**			Prepared: 10/28/04 Analyzed: 10/29/04						
Aluminum	0.386	0.063	mg/L	0.200	0.16	113	75-125			
Iron	0.461	0.064	"	0.200	0.24	110	75-125			
Matrix Spike Dup (B4J2823-MSD1)	**Source: 0410402-03**			Prepared: 10/28/04 Analyzed: 10/29/04						
Aluminum	0.449	0.063	mg/L	0.200	0.16	144	75-125	15.1	20	QM-07
Iron	0.553	0.064	"	0.200	0.24	156	75-125	18.1	20	QM-07
Batch B4J2824 - EPA 3010A										
Blank (B4J2824-BLK1)				Prepared: 10/28/04 Analyzed: 11/02/04						
Copper	ND	5.0	µg/L							
Lead	ND	2.0	"							
Zinc	ND	10	"							
LCS (B4J2824-BS1)				Prepared: 10/28/04 Analyzed: 11/02/04						
Copper	96.7	5.0	µg/L	100		96.7	80-120			
Lead	114	2.0	"	100		114	80-120			
Zinc	93.0	10	"	100		93.0	80-120			

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2824 - EPA 3010A										
Matrix Spike (B4J2824-MS1)	**Source: 0410329-02**			Prepared: 10/28/04		Analyzed: 11/02/04				
Copper	93.9	10	µg/L	100	8.2	85.7	75-125			
Lead	110	4.0	"	100	ND	110	75-125			
Zinc	89.5	20	"	100	5.1	84.4	75-125			
Matrix Spike Dup (B4J2824-MSD1)	**Source: 0410329-02**			Prepared: 10/28/04		Analyzed: 11/02/04				
Copper	92.6	10	µg/L	100	8.2	84.4	75-125	1.39	20	
Lead	107	4.0	"	100	ND	107	75-125	2.76	20	
Zinc	88.9	20	"	100	5.1	83.8	75-125	0.673	20	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2826 - EPA 3010A										
Blank (B4J2826-BLK1)				Prepared: 10/28/04		Analyzed: 11/02/04				
Copper	ND	5.0	µg/L							
LCS (B4J2826-BS1)				Prepared: 10/28/04		Analyzed: 11/02/04				
Copper	96.1	5.0	µg/L	100		96.1	80-120			
Matrix Spike (B4J2826-MS1)	**Source: 0410406-01**			Prepared: 10/28/04		Analyzed: 11/02/04				
Copper	101	5.0	µg/L	100	3.3	97.7	75-125			
Matrix Spike Dup (B4J2826-MSD1)	**Source: 0410406-01**			Prepared: 10/28/04		Analyzed: 11/02/04				
Copper	94.5	5.0	µg/L	100	3.3	91.2	75-125	6.65	20	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2826 - EPA 3010A										
Blank (B4J2826-BLK1)				Prepared: 10/28/04		Analyzed: 11/02/04				
Lead	ND	2.0	µg/L							
LCS (B4J2826-BS1)				Prepared: 10/28/04		Analyzed: 11/02/04				
Lead	99.9	2.0	µg/L	100		99.9	85-115			
Matrix Spike (B4J2826-MS1)	**Source: 0410406-01**			Prepared: 10/28/04		Analyzed: 11/02/04				
Lead	100	2.0	µg/L	100	ND	100	70-130			
Matrix Spike Dup (B4J2826-MSD1)	**Source: 0410406-01**			Prepared: 10/28/04		Analyzed: 11/02/04				
Lead	97.3	2.0	µg/L	100	ND	97.3	70-130	2.74	20	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Total Recoverable Petroleum Hydrocarbons (TRPH) by IR - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0518 - EPA 418.1										
Blank (B4K0518-BLK1)				Prepared & Analyzed: 10/29/04						
TRPH	ND	1.0	mg/L							
LCS (B4K0518-BS1)				Prepared & Analyzed: 10/29/04						
TRPH	11.0	1.0	mg/L	10.0		110	80-120			
LCS (B4K0518-BS2)				Prepared & Analyzed: 10/29/04						
TRPH	10.8	1.0	mg/L	10.0		108	80-120			
LCS Dup (B4K0518-BSD1)				Prepared & Analyzed: 10/29/04						
TRPH	11.3	1.0	mg/L	10.0		113	80-120	2.69	30	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0103 - EPA 5030B P & T										
Blank (B4K0103-BLK1)				Prepared & Analyzed: 10/28/04						
Acrolein	ND	10	µg/L							
Acrylonitrile	ND	10	"							
Benzene	ND	1.0	"							
Bromobenzene	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
2-Chloroethylvinyl ether	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
m,p-Xylene	ND	1.0	"							

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Volatile Organics by EPA Method 624 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0103 - EPA 5030B P & T										
Blank (B4K0103-BLK1)				Prepared & Analyzed: 10/28/04						
o-Xylene	ND	1.0	µg/L							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: Dibromofluoromethane	*52.6*		*"*	*50.0*		*105*	*86-118*			
Surrogate: Toluene-d8	*49.5*		*"*	*50.0*		*99.0*	*88-110*			
Surrogate: 4-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*86-115*			
LCS (B4K0103-BS1)				Prepared & Analyzed: 10/28/04						
Benzene	51.9	1.0	µg/L	50.0		104	80-120			
Chlorobenzene	50.0	1.0	"	50.0		100	80-120			
1,1-Dichloroethene	45.7	1.0	"	50.0		91.4	80-120			
Toluene	50.3	1.0	"	50.0		101	80-120			
Trichloroethene	52.6	1.0	"	50.0		105	80-120			
Matrix Spike (B4K0103-MS1)	**Source: 0410406-06**			Prepared & Analyzed: 10/28/04						
Benzene	62.0	1.0	µg/L	50.0	ND	124	37-151			
Chlorobenzene	59.0	1.0	"	50.0	ND	118	37-160			
1,1-Dichloroethene	55.4	1.0	"	50.0	ND	111	50-150			
Toluene	60.5	1.0	"	50.0	ND	121	47-150			
Trichloroethene	61.9	1.0	"	50.0	ND	124	71-157			
Matrix Spike Dup (B4K0103-MSD1)	**Source: 0410406-06**			Prepared & Analyzed: 10/28/04						
Benzene	50.9	1.0	µg/L	50.0	ND	102	37-151	19.7	30	
Chlorobenzene	49.5	1.0	"	50.0	ND	99.0	37-160	17.5	30	
1,1-Dichloroethene	44.7	1.0	"	50.0	ND	89.4	50-150	21.4	30	
Toluene	49.3	1.0	"	50.0	ND	98.6	47-150	20.4	30	
Trichloroethene	50.3	1.0	"	50.0	ND	101	71-157	20.7	30	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

BTEX/MTBE/TVPH-Gasoline Range Hydrocarbons (C4-C12) by EPA Method 8021B and 8015B in series - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0202 - EPA 5030B P & T										
Blank (B4K0202-BLK1)				Prepared & Analyzed: 11/02/04						
Benzene	ND	0.50	µg/L							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"							
Surrogate: a,a,a-Trifluorotoluene	*17.8*		*"*	*20.0*		*89.0*	*70-125*			
LCS (B4K0202-BS1)				Prepared & Analyzed: 11/02/04						
Benzene	36.3	0.50	µg/L	40.0		90.8	80-120			
Toluene	36.9	0.50	"	40.0		92.2	80-120			
Ethylbenzene	37.1	0.50	"	40.0		92.8	80-120			
Gasoline Range Hydrocarbons (C4-C12)	540	50	"	600		90.0	80-120			
Matrix Spike (B4K0202-MS1)		**Source: 0410406-06**		Prepared & Analyzed: 11/02/04						
Benzene	37.9	0.50	µg/L	40.0	ND	94.8	39-150			
Toluene	38.6	0.50	"	40.0	ND	96.5	46-148			
Ethylbenzene	38.8	0.50	"	40.0	ND	97.0	32-160			
Gasoline Range Hydrocarbons (C4-C12)	496	50	"	600	ND	82.7	50-150			
Matrix Spike Dup (B4K0202-MSD1)		**Source: 0410406-06**		Prepared & Analyzed: 11/02/04						
Benzene	37.0	0.50	µg/L	40.0	ND	92.5	39-150	2.40	30	
Toluene	37.8	0.50	"	40.0	ND	94.5	46-148	2.09	30	
Ethylbenzene	38.4	0.50	"	40.0	ND	96.0	32-160	1.04	30	
Gasoline Range Hydrocarbons (C4-C12)	495	50	"	600	ND	82.5	50-150	0.202	30	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3108	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	11/11/04 09:00

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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TRUESDAIL LABORATORIES, INC.
INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

Established 1931

14201 FRANKLIN AVENUE TUSTIN, CALIFORNIA 92780-7008
(714) 730-6239 FAX (714) 730-6462 www.truesdail.com

REPORT

Client:	Sierra Analytical Labs, Inc 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653
Attention:	Tracy Collins
Project Name:	# 0410406
P.O. Number:	0410406
Method Number:	EPA 8015
QA/QC Batch No:	704491
Investigation:	Glycols

Laboratory No:	936297
Report Date:	November 4, 2004
Sampling Date:	October 27, 2004
Receiving Date:	October 27, 2004
Analysis Date	November 3, 2004
Units	mg/L
Dilution Factor	1
Reported By	PN

Analytical Results

Parameter		704491	936297-1	936297-2	936297-3	936297-4	936297-5	936297-6	Sample
	Sample ID:	Method Blank	0410406-1	0410406-2	0410406-3	0410406-4	0410406-5	0410406-6	RLs
	Dilution Factor:	1	1	1	1	1	1	1	
Ethylene Glycol		ND	ND	ND	ND	ND	ND	ND	5.0
Propylene Glycol		ND	ND	ND	ND	ND	ND	ND	5.0
	SC								APR
Butanol(surrogate)	100	92.2	87.0	86.6	88.6	83.0	84.7	92.0	50-200

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

Rossina Tomova, Project Manager
Analytical Services, Truedail Laboratory, Inc.

TRUESDAIL LABORATORIES, INC.

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

REPORT

Client:	Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653
Attention:	Tracy Collins
Project Name:	# 0410406
P.O. Number:	0410406
Method Number:	EPA 8015
Investigation:	Glycols

Laboratory No:	936297
QA/QC No:	704367
Report Date:	November 4, 2004
Sampling Date:	October 27, 2004
Receiving Date:	October 27, 2004
Analysis Date:	November 3, 2004
Units:	mg/L
Reported By:	PN

Quality Control/Quality Assurance Calibration Report

MRCCS

Parameter	Measured Value	Theoretical Value	% Rec.	Flag
Ethylene Glycol	46.9	50.0	93.7	PASS
Propylene Glycol	35.9	50.0	71.9	PASS
Butanol	82.8	100	82.8	PASS

MRCVS

Parameter	Measured Value	Theoretical Value	% Rec.	Flag	Accuracy Control Limits
Ethylene Glycol	60.4	50.0	121	PASS	70-130
Propylene Glycol	44.0	50.0	88.0	PASS	70-130
Butanol	79.0	100	79.0	PASS	70-130

Quality Control/Quality Assurance Spikes Report

Parameter	Spike Conc.	LCS Rec. Conc.	LCSD Rec. Conc.	LCS % Rec. %	LCSD % Rec. %	LCS/ LCSD % D	Flag	Accuracy Control Limits %D	Accuracy Control Limits % Recovery
Ethylene Glycol	50.0	62.0	59.9	124	120	4.21%	PASS	20	70-130
Propylene Glycol	50.0	47.6	41.8	95.2	83.6	11.6%	PASS	20	70-131
Butanol	100	82.7	81.6	82.7	81.6	1.05%	PASS	20	70-130

MRCCS: Mid Range Calibration Check Standard (second source)
MRCVS: Mid Range Calibration Verification Standard
ND: Not Detected
Flag: "Pass" if within Control Limits, otherwise "Fail"
LCS: Laboratory Control Spike
RPD: Relative Percent Difference
Spikes as sample concentration (mg/L)

Rossina Tamova, Project Manager
Analytical Services, Truedail Laboratory, Inc.

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

CHAIN OF CUSTODY RECORD

Date: 10/27/04 Page 1 of 2

Lab Project ID: 0410406

Client: OCEAN BLUE FOR SDCRAA
Client Address: 2775 KURTZ ST. SUITE 1 SAN DIEGO, CA 92110
Client Tel. No: 619·294·6682
Client Fax No.: 619·294·6743
Client Proj. Mgr.: DON OSTRAND / RICHARD GILB

Client Project ID: SA3108

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

Analyses Requested

Client Sample ID.	Sierra Sample No.	Date/Time	Matrix	Preservatives	Container Type	No. of Containers	PH - EPA 150.1	TSS - EPA 160.2	SC - EPA 120.1	O&G - EPA 1664A	BTEX - EPA 8021B	TPH (GAS) - EPA 8021B	TRPH - EPA 418.1	TOTAL IRON - EPA 6010B	TOTAL ZINC - EPA 6020	TOTAL LEAD - EPA 6020	DISSOLVED LEAD - EPA 6020	TOTAL ALUMINUM - EPA 6010B	Comments
STATION #1-LBF	01	10.27.04 0950	WATER	HCL x4 ICE x12	PLASTIC·4 GLASS·8	12	X	X	X	X	X	X	X	X	X	X	X	X	
STATION #2-LBF	02	10.27.04 0915					X	X	X	X	X	X	X	X	X	X	X	X	
STATION #3-LBF	03	10.27.04 0753					X	X	X	X	X	X	X	X	X	X	X	X	
STATION #4-LBF	04	0705					X	X	X	X	X	X	X	X	X	X	X	X	
STATION #5-LBF	05	10.27.04 0520					X	X	X	X	X	X	X	X	X	X	X	X	
STATION #6-LBF	06	10.27.04 0645					X	X	X	X	X	X	X	X	X	X	X	X	

1 Sampler Signature: Donald Ostrand
Printed Name: DONALD OSTRAND
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: Donald Ostrand Date: 10-27-04 Time: 11:00
Company: OCEAN BLUE
Received By: RUTH MILLER Date: 10-27-04
Company: VIENNA Time: 11:00

3 Relinquished By: RUTH MILLER Date: 10-27-04 Time: 1:00
Company: VIENNA
Received By: [illegible] Date: 10.27.04
Company: Sierra Time: 13:00

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

Special Instructions:

Total Number of Containers Submitted to Laboratory

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

Total Number of Containers Received by Laboratory

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☐ Intact ☒ Chilled - Temp (°C) 6.0
☐ Sample Seals ☐ Preservatives - Verified By
☐ Properly Labeled ☐ Other
☐ Appropriate Sample Container ☒ Storage Location R163/R3A

Rev: 041301

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

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FAX: 949•348•9115
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CHAIN OF CUSTODY RECORD

Date: 10/27/04 Page 2 of 2

Lab Project ID: _____

Client: OCEAN BLUE FOR SOCRIAA
Client Address: 2775 KURTZ ST.
SUITE 1
SAN DIEGO, CA 92110
Client Tel. No: 619.294.6682
Client Fax No.: 619.294.6743
Client Proj. Mgr.: DON OSTRAND / RICHARD GILB

Client Project ID: SA3108

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

Analyses Requested

Client Sample ID.	Sierra Sample No.	Date/Time	Matrix	Preservatives	Container Type	No. of Containers	TOTAL COPPER - EPA 6020	DISSOLVED COPPER - EPA 6020	VOC - EPA 624	BOD - EPA 405.1	COD - EPA 410.4	AMMONIA - EPA 350.2	GLYCOLS - GC/FID	Comments
STATION #1 - LBF	01		WATER	HCL x4 ICE x12	PLASTIC x4 GLASS x8	12	X	X	X	X	X	X	X	
STATION #2 - LBF	02		↓	↓	↓	↓	X	X	X	X	X	X	X	
STATION #3 - LBF	03						X	X	X	X	X	X	X	
STATION #4 - LBF	04						X	X	X	X	X	X	X	
STATION #5 - LBF	05						X	X	X	X	X	X	X	
STATION #6 - LBF	06						X	X	X	X	X	X	X	

[1] Sampler Signature: DONALD OSTRAND
Printed Name: DONALD OSTRAND

Shipped Via:
(Carrier/Waybill No.)

[2] Relinquished By: Donald Ostrand — Date: 10-27-04 — Time: 11:00
Company: OCEAN BLUE

Received By: [illegible] — Date: 10-27-04 — Time: 11:00
Company: VISTA

[3] Relinquished By: [illegible] — Date: 10-27-04 — Time: 11:00
Company: VISTA

Received By: [illegible] — Date: 10.27 — Time: 13.00
Company: Sierra

[4] Relinquished By: — Date: — Time:
Company:

Received By: — Date: — Time:
Company:

Special Instructions:

Total Number of Containers Submitted to Laboratory

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

Total Number of Containers Received by Laboratory

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

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

Rev: 041301

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

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LBF - #1	0412482-01	Liquid	12/28/04 00:00	12/28/04 12:30
LBF - #2	0412482-02	Liquid	12/28/04 00:00	12/28/04 12:30
LBF - #3	0412482-03	Liquid	12/28/04 00:00	12/28/04 12:30
LBF - #4	0412482-04	Liquid	12/28/04 00:00	12/28/04 12:30
LBF - #5	0412482-05	Liquid	12/28/04 00:00	12/28/04 12:30
LBF - #6	0412482-06	Liquid	12/28/04 00:00	12/28/04 12:30

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 6 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Ammonia as N	**0.210**	0.100	mg/L	1	B4L2954	12/29/04	12/29/04	EPA 350.1	
Biochemical Oxygen Demand	**4.20**	2.00	"	"	"	"	01/03/05	EPA 405.1	
Chemical Oxygen Demand	**9.00**	0.100	"	"	"	"	12/29/04	EPA 410.4	
Specific Conductance (EC)	**43.5**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.70**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.30**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**6.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Ammonia as N	**0.280**	0.100	mg/L	1	B4L2954	12/29/04	12/29/04	EPA 350.1	
Biochemical Oxygen Demand	**26.0**	2.00	"	"	"	"	01/03/05	EPA 405.1	
Chemical Oxygen Demand	**63.0**	0.100	"	"	"	"	12/29/04	EPA 410.4	
Specific Conductance (EC)	**125**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.10**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.10**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**44.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
LBF - #3 (0412482-03) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Ammonia as N	**0.350**	0.100	mg/L	1	B4L2954	12/29/04	12/29/04	EPA 350.1	
Biochemical Oxygen Demand	**4.80**	2.00	"	"	"	"	01/03/05	EPA 405.1	
Chemical Oxygen Demand	**10.0**	0.100	"	"	"	"	12/29/04	EPA 410.4	
Specific Conductance (EC)	**69.2**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.90**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.50**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**9.00**	1.00	mg/L	"	"	"	"	EPA 160.2	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #4 (0412482-04) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Ammonia as N	**0.260**	0.100	mg/L	1	B4L2954	12/29/04	12/29/04	EPA 350.1	
Biochemical Oxygen Demand	ND	2.00	"	"	"	"	01/03/05	EPA 405.1	
Chemical Oxygen Demand	ND	0.100	"	"	"	"	12/29/04	EPA 410.4	
Specific Conductance (EC)	**28.5**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.30**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.00**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**2.00**	1.00	mg/L	"	"	"	"	EPA 160.2	
LBF - #5 (0412482-05) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Ammonia as N	**0.570**	0.100	mg/L	1	B4L2954	12/29/04	12/29/04	EPA 350.1	
Biochemical Oxygen Demand	**12.6**	2.00	"	"	"	"	01/03/05	EPA 405.1	
Chemical Oxygen Demand	**28.0**	0.100	"	"	"	"	12/29/04	EPA 410.4	
Specific Conductance (EC)	**26.1**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**1.50**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**6.00**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**10.0**	1.00	mg/L	"	"	"	"	EPA 160.2	
LBF - #6 (0412482-06) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Ammonia as N	**0.230**	0.100	mg/L	1	B4L2954	12/29/04	12/29/04	EPA 350.1	
Biochemical Oxygen Demand	**15.0**	2.00	"	"	"	"	01/03/05	EPA 405.1	
Chemical Oxygen Demand	**34.0**	0.100	"	"	"	"	12/29/04	EPA 410.4	
Specific Conductance (EC)	**44.1**	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Hexane Extractable Material (HEM)	**2.30**	1.00	mg/L	"	"	"	"	EPA 1664	
pH	**5.90**	0.100	pH Units	"	"	"	"	EPA 150.1	H-01
Total Suspended Solids	**17.0**	1.00	mg/L	"	"	"	"	EPA 160.2	

26052 Merit Circle Suite 105, Laguna Hills, California 92653
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E-Mail: sierralabs @ sierralabs.net

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Aluminum	**0.41**	0.063	mg/L	1	B5A0320	01/03/05	01/04/05	EPA 6010B	
Copper	**20**	5.0	µg/L	"	B5A0319	01/03/05	01/05/05	EPA 6020	
Iron	**0.61**	0.064	mg/L	"	B5A0320	01/03/05	01/04/05	EPA 6010B	
Lead	**11**	2.0	µg/L	"	B5A0319	01/03/05	01/07/05	EPA 6020	
Zinc	**150**	10	"	"	"	"	01/05/05	"	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Aluminum	**1.2**	0.063	mg/L	1	B5A0320	01/03/05	01/04/05	EPA 6010B	
Copper	**120**	5.0	µg/L	"	B5A0319	01/03/05	01/05/05	EPA 6020	
Iron	**1.6**	0.064	mg/L	"	B5A0320	01/03/05	01/04/05	EPA 6010B	
Lead	**6.5**	2.0	µg/L	"	B5A0319	01/03/05	01/07/05	EPA 6020	
Zinc	**32**	10	"	"	"	"	01/05/05	"	
LBF - #3 (0412482-03) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Aluminum	**0.12**	0.063	mg/L	1	B5A0320	01/03/05	01/04/05	EPA 6010B	
Copper	**26**	5.0	µg/L	"	B5A0319	01/03/05	01/05/05	EPA 6020	
Iron	**0.24**	0.064	mg/L	"	B5A0320	01/03/05	01/04/05	EPA 6010B	
Lead	**2.0**	2.0	µg/L	"	B5A0319	01/03/05	01/07/05	EPA 6020	
Zinc	**120**	10	"	"	"	"	01/05/05	"	
LBF - #4 (0412482-04) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Aluminum	**0.12**	0.063	mg/L	1	B5A0320	01/03/05	01/04/05	EPA 6010B	
Copper	**15**	5.0	µg/L	"	B5A0319	01/03/05	01/05/05	EPA 6020	
Iron	**0.21**	0.064	mg/L	"	B5A0320	01/03/05	01/04/05	EPA 6010B	
Lead	**2.0**	2.0	µg/L	"	B5A0319	01/03/05	01/07/05	EPA 6020	
Zinc	**59**	10	"	"	"	"	01/05/05	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #5 (0412482-05) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Aluminum	**0.39**	0.063	mg/L	1	B5A0320	01/03/05	01/04/05	EPA 6010B	
Copper	**29**	5.0	µg/L	"	B5A0319	01/03/05	01/05/05	EPA 6020	
Iron	**0.45**	0.064	mg/L	"	B5A0320	01/03/05	01/04/05	EPA 6010B	
Lead	**2.3**	2.0	µg/L	"	B5A0319	01/03/05	01/07/05	EPA 6020	
Zinc	**28**	10	"	"	"	"	01/05/05	"	
LBF - #6 (0412482-06) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Aluminum	**0.78**	0.063	mg/L	1	B5A0320	01/03/05	01/04/05	EPA 6010B	
Copper	**22**	5.0	µg/L	"	B5A0319	01/03/05	01/05/05	EPA 6020	
Iron	**0.98**	0.064	mg/L	"	B5A0320	01/03/05	01/04/05	EPA 6010B	
Lead	**6.6**	2.0	µg/L	"	B5A0319	01/03/05	01/07/05	EPA 6020	
Zinc	**310**	10	"	"	"	"	01/05/05	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals (Dissolved) by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Copper	**7.1**	5.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 6020	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Copper	**85**	5.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 6020	
LBF - #3 (0412482-03) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Copper	**12**	5.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 6020	
LBF - #4 (0412482-04) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Copper	ND	5.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 6020	
LBF - #5 (0412482-05) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Copper	**20**	5.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 6020	
LBF - #6 (0412482-06) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Copper	**7.1**	5.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 6020	

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Lead	ND	2.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 200.8	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Lead	ND	2.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 200.8	
LBF - #3 (0412482-03) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Lead	ND	2.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 200.8	
LBF - #4 (0412482-04) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Lead	ND	2.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 200.8	
LBF - #5 (0412482-05) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Lead	ND	2.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 200.8	
LBF - #6 (0412482-06) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Lead	ND	2.0	µg/L	1	B5A0318	01/03/05	01/05/05	EPA 200.8	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Total Recoverable Petroleum Hydrocarbons (TRPH) by IR

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
TRPH	ND	1.0	mg/L	1	B4L2958	12/29/04	12/29/04	EPA 418.1	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
TRPH	**1.5**	1.0	mg/L	1	B4L2958	12/29/04	12/29/04	EPA 418.1	
LBF - #3 (0412482-03) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
TRPH	**2.3**	1.0	mg/L	1	B4L2958	12/29/04	12/29/04	EPA 418.1	
LBF - #4 (0412482-04) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
TRPH	ND	1.0	mg/L	1	B4L2958	12/29/04	12/29/04	EPA 418.1	
LBF - #5 (0412482-05) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
TRPH	ND	1.0	mg/L	1	B4L2958	12/29/04	12/29/04	EPA 418.1	
LBF - #6 (0412482-06) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
TRPH	**1.1**	1.0	mg/L	1	B4L2958	12/29/04	12/29/04	EPA 418.1	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Acrolein	ND	10	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*88-110*	"	"	"	"	

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

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Surrogate: 4-Bromofluorobenzene		*101 %*		*86-115*	*B5A0424*	*12/30/04*	*12/30/04*	*EPA 624*	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Acrolein	ND	10	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #2 (0412482-02) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Methyl tert-butyl ether	ND	1.0	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Surrogate: Dibromofluoromethane		*108 %*		*86-118*		"	"	"	"
Surrogate: Toluene-d8		*102 %*		*88-110*		"	"	"	"
Surrogate: 4-Bromofluorobenzene		*103 %*		*86-115*		"	"	"	"
LBF - #3 (0412482-03) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Acrolein	ND	10	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #3 (0412482-03) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Vinyl chloride	ND	1.0	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*86-115*	"	"	"	"	
LBF - #4 (0412482-04) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Acrolein	ND	10	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #4 (0412482-04) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
1,1,2-Trichloroethane	ND	1.0	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*86-115*	"	"	"	"	
LBF - #5 (0412482-05) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Acrolein	ND	10	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #5 (0412482-05) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Tetrachloroethene	ND	1.0	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*86-115*	"	"	"	"	
LBF - #6 (0412482-06) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Acrolein	ND	10	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Acrylonitrile	ND	10	"	"	"	"	"	"	
Benzene	ND	1.0	"	"	"	"	"	"	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #6 (0412482-06) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Ethylbenzene	ND	1.0	µg/L	1	B5A0424	12/30/04	12/30/04	EPA 624	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*86-118*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*88-110*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*86-115*	"	"	"	"	

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

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

BTEX/MTBE/TVPH-Gasoline Range Hydrocarbons (C4-C12) by EPA Method 8021B and 8015B in series

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #1 (0412482-01) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Benzene	ND	0.50	µg/L	1	B4L2922	12/29/04	12/30/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*70.0 %*		*70-125*	"	"	"	"	
LBF - #2 (0412482-02) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Benzene	ND	0.50	µg/L	1	B4L2922	12/29/04	12/30/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.5 %*		*70-125*	"	"	"	"	
LBF - #3 (0412482-03) Liquid	**Sampled: 12/28/04 00:00**	**Received: 12/28/04 12:30**							
Benzene	ND	0.50	µg/L	1	B4L2922	12/29/04	12/30/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	**59**	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.5 %*		*70-125*	"	"	"	"	

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

Ocean Blue Env. Services	Project:	SA 3108	
2775 Kurtz St.	Project Number:	SA 3140	**Reported:**
San Diego CA, 92110	Project Manager:	Don Ostrand	01/13/05 10:16

BTEX/MTBE/TVPH-Gasoline Range Hydrocarbons (C4-C12) by EPA Method 8021B and 8015B in series

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LBF - #4 (0412482-04) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Benzene	ND	0.50	µg/L	1	B4L2922	12/29/04	12/30/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.0 %*		*70-125*	"	"	"	"	
LBF - #5 (0412482-05) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Benzene	ND	0.50	µg/L	1	B4L2922	12/29/04	12/30/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.5 %*		*70-125*	"	"	"	"	
LBF - #6 (0412482-06) Liquid Sampled: 12/28/04 00:00 Received: 12/28/04 12:30									
Benzene	ND	0.50	µg/L	1	B4L2922	12/29/04	12/30/04	EPA 8021B/8015B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*		*70-125*	"	"	"	"	

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A0319 - EPA 3010A										
Blank (B5A0319-BLK1)				Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	ND	5.0	µg/L							
Lead	ND	2.0	"							
Zinc	ND	10	"							
LCS (B5A0319-BS1)				Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	103	5.0	µg/L	100		103	80-120			
Lead	107	2.0	"	100		107	80-120			
Zinc	101	10	"	100		101	80-120			
Matrix Spike (B5A0319-MS1)	**Source: 0412482-02**			Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	213	5.0	µg/L	100	120	93.0	75-125			
Lead	113	2.0	"	100	6.5	106	75-125			
Zinc	130	10	"	100	32	98.0	75-125			
Matrix Spike Dup (B5A0319-MSD1)	**Source: 0412482-02**			Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	213	5.0	µg/L	100	120	93.0	75-125	0.00	20	
Lead	115	2.0	"	100	6.5	108	75-125	1.75	20	
Zinc	127	10	"	100	32	95.0	75-125	2.33	20	
Batch B5A0320 - EPA 3010A										
Blank (B5A0320-BLK1)				Prepared: 01/03/05 Analyzed: 01/04/05						
Aluminum	ND	0.063	mg/L							
Iron	ND	0.064	"							
LCS (B5A0320-BS1)				Prepared: 01/03/05 Analyzed: 01/04/05						
Aluminum	0.155	0.063	mg/L	0.200		77.5	77-122			
Iron	0.193	0.064	"	0.200		96.5	80-120			

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A0320 - EPA 3010A										
Matrix Spike (B5A0320-MS1)	**Source: 0412482-01**			Prepared: 01/03/05	Analyzed: 01/04/05					
Aluminum	0.496	0.063	mg/L	0.200	0.41	43.0	75-125			QM-07
Iron	0.642	0.064	"	0.200	0.61	16.0	75-125			QM-07
Matrix Spike Dup (B5A0320-MSD1)	**Source: 0412482-01**			Prepared: 01/03/05	Analyzed: 01/04/05					
Aluminum	0.667	0.063	mg/L	0.200	0.41	128	75-125	29.4	20	QM-07
Iron	0.867	0.064	"	0.200	0.61	128	75-125	29.8	20	QM-07

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A0318 - EPA 3010A										
Blank (B5A0318-BLK1)				Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	ND	5.0	µg/L							
LCS (B5A0318-BS1)				Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	106	5.0	µg/L	100		106	80-120			
Matrix Spike (B5A0318-MS1)	**Source: 0412482-01**			Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	105	5.0	µg/L	100	7.1	97.9	75-125			
Matrix Spike Dup (B5A0318-MSD1)	**Source: 0412482-01**			Prepared: 01/03/05 Analyzed: 01/05/05						
Copper	107	5.0	µg/L	100	7.1	99.9	75-125	1.89	20	

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Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A0318 - EPA 3010A										
Blank (B5A0318-BLK1)				Prepared: 01/03/05 Analyzed: 01/05/05						
Lead	ND	2.0	µg/L							
LCS (B5A0318-BS1)				Prepared: 01/03/05 Analyzed: 01/05/05						
Lead	111	2.0	µg/L	100		111	85-115			
Matrix Spike (B5A0318-MS1)	**Source: 0412482-01**			Prepared: 01/03/05 Analyzed: 01/05/05						
Lead	105	2.0	µg/L	100	ND	105	70-130			
Matrix Spike Dup (B5A0318-MSD1)	**Source: 0412482-01**			Prepared: 01/03/05 Analyzed: 01/05/05						
Lead	105	2.0	µg/L	100	ND	105	70-130	0.00	20	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Total Recoverable Petroleum Hydrocarbons (TRPH) by IR - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L2958 - EPA 418.1										
Blank (B4L2958-BLK1)				Prepared & Analyzed: 12/29/04						
TRPH	ND	1.0	mg/L							
LCS (B4L2958-BS1)				Prepared & Analyzed: 12/29/04						
TRPH	10.3	1.0	mg/L	10.0		103	80-120			
LCS (B4L2958-BS2)				Prepared & Analyzed: 12/29/04						
TRPH	10.3	1.0	mg/L	10.0		103	80-120			
LCS Dup (B4L2958-BSD1)				Prepared & Analyzed: 12/29/04						
TRPH	10.1	1.0	mg/L	10.0		101	80-120	1.96	30	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A0424 - EPA 5030B P & T										
Blank (B5A0424-BLK1)				Prepared & Analyzed: 12/30/04						
Acrolein	ND	10	µg/L							
Acrylonitrile	ND	10	"							
Benzene	ND	1.0	"							
Bromobenzene	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
2-Chloroethylvinyl ether	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
m,p-Xylene	ND	1.0	"							

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Volatile Organics by EPA Method 624 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5A0424 - EPA 5030B P & T										
Blank (B5A0424-BLK1)				Prepared & Analyzed: 12/30/04						
o-Xylene	ND	1.0	µg/L							
Methyl tert-butyl ether	ND	1.0	"							
Surrogate: Dibromofluoromethane	*48.5*		*"*	*50.0*		*97.0*	*86-118*			
Surrogate: Toluene-d8	*49.3*		*"*	*50.0*		*98.6*	*88-110*			
Surrogate: 4-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*86-115*			
LCS (B5A0424-BS1)				Prepared & Analyzed: 12/30/04						
Benzene	57.2	1.0	µg/L	50.0		114	80-120			
Chlorobenzene	58.4	1.0	"	50.0		117	80-120			
1,1-Dichloroethene	47.2	1.0	"	50.0		94.4	80-120			
Toluene	54.5	1.0	"	50.0		109	80-120			
Trichloroethene	56.8	1.0	"	50.0		114	80-120			
Matrix Spike (B5A0424-MS1)	**Source: 0412482-01**			Prepared & Analyzed: 12/30/04						
Benzene	56.2	1.0	µg/L	50.0	ND	112	37-151			
Chlorobenzene	51.7	1.0	"	50.0	ND	103	37-160			
1,1-Dichloroethene	44.4	1.0	"	50.0	ND	88.8	50-150			
Toluene	50.0	1.0	"	50.0	ND	100	47-150			
Trichloroethene	52.3	1.0	"	50.0	ND	105	71-157			
Matrix Spike Dup (B5A0424-MSD1)	**Source: 0412482-01**			Prepared & Analyzed: 12/30/04						
Benzene	59.7	1.0	µg/L	50.0	ND	119	37-151	6.04	30	
Chlorobenzene	53.1	1.0	"	50.0	ND	106	37-160	2.67	30	
1,1-Dichloroethene	46.8	1.0	"	50.0	ND	93.6	50-150	5.26	30	
Toluene	52.2	1.0	"	50.0	ND	104	47-150	4.31	30	
Trichloroethene	53.0	1.0	"	50.0	ND	106	71-157	1.33	30	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

BTEX/MTBE/TVPH-Gasoline Range Hydrocarbons (C4-C12) by EPA Method 8021B and 8015B in series - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4L2922 - EPA 5030B P & T										
Blank (B4L2922-BLK1)				Prepared: 12/29/04 Analyzed: 12/30/04						
Benzene	ND	0.50	µg/L							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	5.0	"							
Gasoline Range Hydrocarbons (C4-C12)	ND	50	"							
Surrogate: a,a,a-Trifluorotoluene	*19.9*		*"*	*20.0*		*99.5*	*70-125*			
LCS (B4L2922-BS1)				Prepared: 12/29/04 Analyzed: 12/30/04						
Benzene	35.9	0.50	µg/L	40.0		89.8	80-120			
Toluene	36.3	0.50	"	40.0		90.8	80-120			
Ethylbenzene	37.3	0.50	"	40.0		93.2	80-120			
Gasoline Range Hydrocarbons (C4-C12)	642	50	"	600		107	80-120			
Matrix Spike (B4L2922-MS1)		**Source: 0412482-06**		Prepared: 12/29/04 Analyzed: 12/30/04						
Benzene	36.4	0.50	µg/L	40.0	ND	91.0	39-150			
Toluene	37.1	0.50	"	40.0	ND	92.8	46-148			
Ethylbenzene	38.7	0.50	"	40.0	ND	96.8	32-160			
Gasoline Range Hydrocarbons (C4-C12)	578	50	"	600	ND	96.3	50-150			
Matrix Spike Dup (B4L2922-MSD1)		**Source: 0412482-06**		Prepared: 12/29/04 Analyzed: 12/30/04						
Benzene	39.9	0.50	µg/L	40.0	ND	99.8	39-150	9.17	30	
Toluene	40.4	0.50	"	40.0	ND	101	46-148	8.52	30	
Ethylbenzene	41.1	0.50	"	40.0	ND	103	32-160	6.02	30	
Gasoline Range Hydrocarbons (C4-C12)	621	50	"	600	ND	104	50-150	7.17	30	

Ocean Blue Env. Services	Project: SA 3108	
2775 Kurtz St.	Project Number: SA 3140	**Reported:**
San Diego CA, 92110	Project Manager: Don Ostrand	01/13/05 10:16

Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

TRUESDAIL LABORATORIES, INC.
INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

Established 1931

14201 FRANKLIN AVENUE TUSTIN, CALIFORNIA 92780-7008
(714) 730-6239 FAX (714) 730-6462 www.truesdail.com

REPORT

Client:	Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653
Attention:	Tracy Collins
Project Name:	0412482
P.O. Number:	0412482
Method Number:	EPA 8015
Investigation:	Ethylene Glycol

Laboratory No:	938165
Report Date:	January 6, 2005
Sampling Date:	December 28, 2004
Receiving Date:	December 29, 2005
Analysis Date:	January 5, 2005
Units:	mg\L
Dilution Factor:	1
Reported By:	PN

Analytical Results

Parameter		Blank	938165-1	938165-2	938165-3	938165-4	938165-5	938165-6	Sample
	Sample ID:	Method Blank	0412482-1	0412482-2	0412482-3	0412482-4	0412482-5	0412482-6	RLs
	Dilution Factor:	1	1	1	1	1	1	1	
Ethylene Glycol		ND	ND	ND	ND	ND	ND	ND	5.0
Propylene Glycol		ND	ND	ND	ND	ND	ND	ND	5.0
	SC								APR
Butanol(surrogate)	100	90.6	99.0	78.2	87.1	79.2	83.8	83.4	50-200

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

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

TRUESDAIL LABORATORIES, INC.
INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES

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REPORT

Client:	Sierra Analytical 26052 Merit Circle, Suite 105 Laguna Hills, CA 92653
Attention:	Tracy Collins
Project Name:	0412482
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Receiving Date:	December 29, 2005
Analysis Date:	January 5, 2005
Units:	mg\L
Reported By:	PN

Quality Control/Quality Assurance Calibration Report

ICV

Parameter	Measured Value	Theoretical Value	% Rec.	Flag
Ethylene Glycol	38.0	50.0	76.0	PASS
Propylene Glycol	39.2	50.0	78.4	PASS
Butanol	79.5	100	79.5	PASS

CCV

Parameter	Measured Value	Theoretical Value	% Rec.	Flag	Accuracy Control Limits
Ethylene Glycol	37.0	50.0	73.9	PASS	70-130
Propylene Glycol	44.6	50.0	89.3	PASS	70-130
Butanol	88.1	100	88.1	PASS	70-130

ICV Initial Calibration Verification
CCV Continuing Calibration Verification
ND Not Detected
Flag "Pass" if within Control Limits, otherwise "Fail"
RPD Relative Percent Difference

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

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

CHAIN OF CUSTODY RECORD

Date: 12.28.04 Page 1 of 2

Lab Work Order No.: _____

Client: OCEAN BLUE / SDCRAA
Client Address: 2775 KURTZ ST. SUITE 1 SAN DIEGO, CA 92110
Client Tel. No: 619.294.6682
Client Fax No.: 619.294.6743
Client Proj. Mgr.: DON OSTRAND

Client Project ID: SA3140

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

Analysis Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	PH - EPA 150.1	TSS - EPA 160.2	SC - EPA 120.1	O&G - EPA 1664A	BTEX - EPA 8021B	TPH(GAS) - EPA 8021B	TRPH - EPA 418.1	TOTAL IRON - EPA 6010B	TOTAL ZINC - EPA 6020	TOTAL LEAD - EPA 6020	DISSOLVED LEAD - EPA 6020	TOTAL ALUMINUM - EPA 6010B	Field Point Names / Comments
LBF-#1		12.28.04		H_2O	ICE	G/P	12													
LBF-#2																				
LBF-#3																				
LBF-#4																				
LBF-#5																				
LBF-#6																				

Geotracker EDD Info:
Client LOGCODE
Site Global ID

1 Sampler Signature: Donald Ostrand
Printed Name: DONALD OSTRAND
Shipped Via:
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: Donald Ostrand Date: 12.28.04 Time: 12:30
Company: OCEAN BLUE
Received By: [illegible] Date: 12.28.04
Company: SMALL Time: 12:30

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

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

Total Number of Containers Received by Laboratory

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

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

Special Instructions:

Rev: 11 02

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

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

CHAIN OF CUSTODY RECORD

Date: 12/28/04 Page 2 of 2

Lab Work Order No.: _____

Client: OCEAN BLUE / SDCRAA

Client Project ID: SA3140

Client Address:

Client Tel. No:

Client Fax No.:

Client Proj. Mgr.:

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

Analysis Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	Total Copper - EPA 6020	Dissolved Copper - EPA 6020	VOC - EPA 624	BOD - EPA 405.1	COD - EPA 410.4	Ammonia - EPA 350.2	Glycols - GC/FID	Field Point Names / Comments
LBF-#1		12.28.04		H_2O	ICE	G/P	12								
LBF-#2		↓		↓	↓	↓	↓								
LBF-#3															
LBF-#4															
LBF-#5															
LBF-#6		↓		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

Geotracker EDD Info:

Client LOGCODE

Site Global ID

1 Sampler Signature: Donald Ostrand
Printed Name: DONALD OSTRAND

Shipped Via:
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory

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

2 Relinquished By: Donald Ostrand	Date: 12.28.04	Received By: ACE	Date: 12-28-04	The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. * - Samples determined to be hazardous by SIERRA will be returned to CLIENT.
Company: OCEAN BLUE	Time: 12:30	Company: SIERRA	Time: 12:30	
3 Relinquished By:	Date:	Received By:	Date:	Total Number of Containers Received by Laboratory
Company:	Time:	Company:	Time:	
4 Relinquished By:	Date:	Received By:	Date:	
Company:	Time:	Company:	Time:	

Special Instructions:

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

Rev: 11 02

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