### State of California STATE WATER RESOURCES CONTROL BOARD

### 2006-2007 ANNUAL REPORT FOR

STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2006 through June 30, 2007

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

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

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

### **GENERAL INFORMATION:**

А.	Facility Information:	Facility WDID No: 93710	18035
	Facility Business Name: SAN DIEGO INTERNATIONAL A	RPORT Contact Person: RICHARD G	<mark>ILB</mark>
	Physical Address: 3225 NORTH HARBOR DRIVE	e-mail: rgilb@san.org	
	City: SAN DIEGO State: CA Zip: 92101	Phone: (619) 400-2790	
	Standard Industrial Classification (SIC) Code(s): 4512 T 4513 Ai 3721 Ai	Courier Services	
В.	Facility Operator Information:		
	Operator Name: SAN DIEGO COUNTY REGIONAL AIRPO	RT AUTHORITY Contact Person: RICHARD (	<mark>SILB</mark>
	Mailing Address: P.O. BOX 82776	e-mail: <mark>rgilb@san.org</mark>	
	City: SAN DIEGO State: CA Zip: 92138-2776	Phone: (619) 400-2790	
C.	Facility Billing Information:		
	Operator Name: SAN DIEGO COUNTY REGIONAL AIRPO	RT AUTHORITY Contact Person: RICHARD (	<mark>BILB</mark>
	Mailing Address: P.O. BOX 82776	e-mail: <mark>rgilb@san.org</mark>	
	City: SAN DIEGO State: CA Zip: 92138-2776	Phone: <mark>(619) 400-2790</mark>	

### SPECIFIC INFORMATION

### MONITORING AND REPORTING PROGRAM

D.	<u>SAI</u>	MPLING	AND AN	ALYSIS EXEM	IPTIONS AND RI	EDUCTIONS				
	1.				our facility exemp or 15 of the Gene		ig and an	nalyzing	samples from <b>two</b> storm events in	
			YES	Go to Item D	.2		$\boxtimes$	NO	Go to Section E	
	2.						analyzing samples from <b>two</b> storm events. Attach a eck boxes ii, iii, iv, or v.			
	i. Participating in an Approved Group Monitoring Plan							p Name:		
	ii. Submitted <b>No Exposure Certification (NEC)</b>						Submitted: / /			
Re-evaluation Date: / /					/ /					
		iii. 🗌	Does fa	cility continue	to satisfy NEC co	onditions?		YES	NO	
			Submitt	ted Sampling	Reduction Certin	fication (SRC)		Date S	Submitted: / /	
			Re-eval	luation Date:	/ /					
			Does fa	cility continue	to satisfy SRC co	onditions?		YES	NO	
		iv. 🗌	Receive	ed Regional Bo	oard Certification			Certifi	ication Date: / /	
		v. 🗌	Receive	ed Local Ageno	cy Certification			Certifi	ication Date: / /	
	3.	lf you ch	necked b	oxes i or iii abo	ove, were you sch	neduled to sam	ple <b>one</b> s	storm e	event during the reporting year?	
			YES	Go to Sectio	n E			NO	Go to Section F	
	4.	lf you ch	necked b	oxes ii, iv, or v	, go to Section F.					
E.	SAMPLING AND ANALYSIS RESULTS									
	1. How many storm events did you sample? <u>2</u>				If less than 2, <b>attach explanation</b> (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").					
	2.	<ol> <li>Did you collect storm water samples from the first storm of the scheduled facility operating hours? (Section B.5 of the General</li> </ol>								
		$\square$	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 ma	iny storm	n water dischar	ge locations are a	at your facility?	10	_		

4.		each stori		-		-		-	ze a locations?	$\square$	YES,	go to It	em E	.6	NO	
5.		s sample o Section E			•			cordance	e	$\bowtie$	YES		NO,	attach	explana	ition
		ES", attao														
	Date	e facility's	drainaç	je areas	s were	last e	valuated	d <u>11/03</u>	/2005							
6.	Wer	re <u>all</u> samp	oles col	lected c	during	the fire	st hour c	of discha	rge?		YES	$\square$	NO,	attach	explana	tion
7.		s <u>all</u> storm king days		-			-	(3)		$\boxtimes$	YES		NO,	attach	explana	ation
8.		re there ar porarily st	-	-							YES	$\square$	NO,	go to li	tem E.10	
9.	cont	you collec tained stor one storm	m wate	er disch	arges	from t	wo storn	n events	?		YES		NO,	attach	explana	ition
10.	(TS be p	S), Specifi	c Conc storm v	uctance	e (SC)	, Total	Organi	c Carbor	te storm wang (TOC) or a titles, and a	Oil and	Grease	e (O&C	G), oth	er poll	utants lik	ely to
	a.	Does Tab related to			•		•	eters		$\boxtimes$	YES		NO,	Go to I	tem E.1	I
	b.	Did you a applicable	-				-	the		$\bowtie$	YES		NO			
	C.	If you did applicable following	e Table	D para					9							
									nave not be planation	een dete	ected in	i signifi	cant	quantiti	es from t	WO
									nt in storm upon the fa							
			Other.	Attacl	h expl	anatic	on									
11.									ratory anal st be provid						ling and	analysis

- Date and time of sample collection ٠
- Name and title of sampler ٠
- Parameters tested ٠
- Name of analytical testing laboratory Discharge location identification •
- •

- Testing results ٠
- Test methods used ٠
- Test detection limits ٠
- 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?

$\mathbf{X}$	YES
	1 6 0

**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	🖂 N/A	October-December	YES	🛛 N/A
January-March	🖂 N/A	April-June	YES	🖂 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		October-December	
January-March		April-June	
Based upon the o	warterly visual observations were a	any unauthorized non-stor	m water discharges det

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

	YES
--	-----

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

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

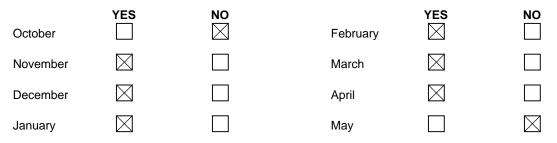
 $|\times|$ 

- 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.

 Indicate below whether monthly visual observations of storm water discharges occurred at <u>all</u> 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.



- 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.

- Have you inspected all potential pollutant sources and industrial activities areas? YES 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

NO

NO

NO

- 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
- Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?
- 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:
  - 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.

YES

	ave you reviewed all General Permit compliance records generation nce the last annual evaluation?	enera	ted 🛛 YES 🗌 NO	
т	he 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	
C	ave you reviewed the major elements of the SWPPP to ass ompliance with the General Permit? he following SWPPP items should be reviewed:	sure	YES NO	
•	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	
ir	ave you reviewed your SWPPP to assure that a) the BMPs reducing or preventing pollutants in storm water discharge on-storm water discharges, and b) the BMPs are being imp	s and	authorized	
Т	he 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	
	as all material handling equipment and equipment needed not needed not needed not needed?	to	YES NO	
ACSC	E EVALUATION REPORT			
	acility operator is required to provide an evaluation report the	at incl	ludes:	
• th	lentification of personnel performing the evaluation the date(s) of the evaluation ecessary SWPPP revisions	•	schedule for implementing SWPPP revisions any incidents of non-compliance and the corrective actions taken	
Use F	orm 5 to report the results of your evaluation or develop an	equiv	valent form.	
ACSC	E CERTIFICATION			
	acility operator is required to certify compliance with the Indu iance, both the SWPPP and Monitoring Program must be u			
Based upon your ACSCE, do you certify compliance with the Industrial				

I.

J.

Activities Storm Water General Permit?

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.

X YES

NO NO

### ATTACHMENT SUMMARY

Straight

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 (Ma	ndatory)	
2.	If you conducted sampling and analysis, have you attached the laboratory analytical reports?	YES		🗌 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		🛛 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		🗌 NA

### ANNUAL REPORT CERTIFICATION

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

Printed Name: Paul Manasjan		
Signature: P.	•	Date: June 27, 2007
Title: <u>Director, Environmental Affairs Department</u>		

BOOPT AUTHO	INITED OFFICE COMMUNICATION
	INTER-OFFICE COMMUNICATION
Date:	June 27, 2003
То:	Thella F. Bowens President/CEO
From:	Ted Sexton Vice President, Operations
Subject:	Authorization to Sign National Pollutant Discharge Elimination System (NPDES) Documents
authorized authorizatio retained as the individu This is to re Environmen	as, which must be prepared and signed by a principal executive office or duly representative. A person is a duly authorized representative if: (1) the on is made in writing by the executive officer and (2) a copy of the authorization is part of the permit records for each facility. The authorized representative must be all or position having overall responsibility for environmental matters. equest your approval, evidenced by your signature below, authorizing the Director of that Affairs for the Authority to serve as the duly authorized representative for f executing all documents related to the NPDES Permit requirements.
authorized authorizatio retained as the individu This is to re Environmen purposed o Thella F. Bo President/C	representative. A person is a duly authorized representative if: (1) the on is made in writing by the executive officer and (2) a copy of the authorization is part of the permit records for each facility. The authorized representative must be hal or position having overall responsibility for environmental matters. equest your approval, evidenced by your signature below, authorizing the Director of that Affairs for the Authority to serve as the duly authorized representative for f executing all documents related to the NPDES Permit requirements. Mathematical and the serve as the duly authorized representative for f executing all documents related to the NPDES Permit requirements.
authorized authorizatio retained as the individu This is to re Environmen purposed o Thella F. Bo President/C San Diego	representative. A person is a duly authorized representative if: (1) the on is made in writing by the executive officer and (2) a copy of the authorization is part of the permit records for each facility. The authorized representative must be tal or position having overall responsibility for environmental matters. equest your approval, evidenced by your signature below, authorizing the Director of that Affairs for the Authority to serve as the duly authorized representative for f executing all documents related to the NPDES Permit requirements. Date Date



### **ATTACHMENT 1**

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

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

### E.5

Using a site evaluation completed in August of 2003, the airport had previously been divided into 6 general discharge areas based on similar land use and/or operations. At that time, the storm water monitoring program included six sample sites. In 2005, the Airport Authority initiated a project to analyze the hydrology of the airport and to evaluate the existing storm water sampling plan. The project resulted in the development of a new storm water sampling locations. The new sampling plan identifies pollutants of concern and provides statistical power to future analysis of pollutant loads. The new sampling plan was finalized in November 2005, and was implemented for the first time in the 2005-2006 wet season. During this monitoring year, a few of the sampling locations were re-evaluated and relocated to provide better representations of the drainage basins. The new sampling plan divides the airport into fourteen drainage basins. Ten sites within those 14 basins have been chosen to represent the areas of industrial activity at the airport.

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

The ten area sample identifiers and a brief description of each location are:

### E.6

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

### G.1

During the months of October 2006 and May 2007, there were no rain events occurring during daylight hours of sufficient intensity or duration to allow for visual observations. The history of storm events during daylight hours for this reporting period is provided on Form 4.

### 2) Discussion of Analytical Results

The following information provides a brief discussion of the analytical data included with this Annual Report (see Form 1 and attached Analytical Lab Reports). A total of 20 samples were taken during the reporting period and all were compared to the USEPA Multi-Sector General Permit benchmarks. Only pollutants that had results that went above their benchmarks are discussed below. Based on this information, the Airport Authority continues to evaluate the effectiveness of the BMPs being implemented at the airport.

### BASIC PARAMETERS

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

### **METALS**

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

### OTHER PARAMETERS

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

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

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

### 3) Summary of Analytical Results

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

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

At nearly equal proportions, Sites C-B01-1, C-B03-2, C-B05-4, C-B06-5, C-B07-6, and C-B07-7 accounted for over 70% of the exceedances during the two sampling events. These areas are in the vicinity of the runway, taxiways, and ground service vehicle operations. The Airport Authority will use this data to re-evaluate the adequacy and effectiveness of the BMPs implemented near these sample sites, and to identify any needed improvements.

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

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

The Airport Authority made slight modifications to the sampling plan implemented during the previous reporting period. During 2006-2007 year, the plan was re-evaluated and sampling locations were added to better represent the industrial activities at the airport and to better assess BMP effectiveness. As more storm water data is collected in the future, the increased statistical power of the dataset will be used to determine long-term adequacy and effectiveness of both BMPs and the runoff monitoring program.

### **ATTACHMENT 2**



### FORMS

ine de	numerical value of the detection limit (example: <.05)	ple: <.05)			memory value of the detection limit (example: <.05)		Ilysis is done us appropriate tes itional conies of	<ul> <li>When analysis is done using portable analysis (st. "PA" in the appropriate test method used box.</li> <li>Make additional conies of this form as parasector.</li> </ul>	alysis (such as box.	<ul> <li>When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.</li> <li>Make additional conies of this form as possessor.</li> </ul>	ters, SC meters	, etc.), indicate
ot ana	· If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank	eter, do not report *	0°. Instead,	leave the appr	opriate box blar				Verseeny.			11
PER	NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	MPLES: Richard	d Gilb	דודר	TITLE: Manager, Environmental Affairs	Environmenta	al Affairs	SIGNATURE:	E	$\mathbf{z}$	100	۲ <u> </u>
DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED					ANALYTIC for First	ANALYTICAL RESULTS for First Storm Event	LTS ent			
				Basic F	<b>Basic Parameters</b>				Other Pa	Other Parameters		
			Æ	TSS	sc	O&G	MBAS	DIESEL RANGE ORGANICS (C10-C24)	JET-A	OIL RANGE ORGANICS (C22-C36)	TOTAL IRON Fe,	TOTAL ZINC Zn <sub>t</sub>
	10/14/2006 05:35	02:20	5.00	264	818	4.20	0.300	<1.0	<1.0	6.4	2.5	2400
	10/14/2006 05:15	02:20	5.10	148	655	3.80	0.330	5.3	<1.0	2.4	0.57	1100
	10/14/2006 03:25	02:20	7.20	23.0	108	6.10	<0.0500	<1.0	<1.0	0.80	4.4	74
	10/14/2006 05:50	02:20	5.30	430	822	6.80	0.360	<1.0	<1.0	6.0	3.1	6500
	10/14/2006 05:40	02:20	4.90	150	211	4.00	0.220	<1.0	<1.0	1.1	1.7	310
C-B07-6	10/14/2006 02:35	02:20	6.20	120	212	3.70	<0.0500	<1.0	<1.0	6.1	0.93	1100
	TEST REPOR	TEST REPORTING UNITS:	pH units	mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	hg/L
Ë	TEST METHOD DETECTION LIMIT:	CTION LIMIT:	0.100	1.00	0.100	1.00	0.0500	1.0	1.0	1.0	0.050	2.0
	TEST ME	TEST METHOD USED:	EPA 150.1	EPA 160.2	EPA 120.1	EPA 413.1	EPA 425.1	EPA 8015B	EPA 8015B	EPA 8015B	EPA 200.8	EPA 200.8
	ANALYZED BY (SELF/LAB):	Y (SELF/LAB):	LAB	LAB	LAB	LAB	LAB	LAR	I AR	I AR	dv I	

2006 - 2007 ANNUAL REPORT FORM 1 - SAMPLING ANALYSIS RESULTS

**FIRST STORM EVENT** 

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	·When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.	~	) 2		T	TOTAL ZINC Zni	850	240	140	240		hg/L	2.0	EPA 200.8	LAB
	ers, SC meter					TOTAL IRON Fe <sub>t</sub>	1.0	0.45	0.29	8.6		mg/L	0.050	EPA 200.8	LAB
	ortable pH mete	•			Other Parameters	OIL RANGE ORGANICS (C22-C36)	2.3	1.7	2.3	1.3		mg/L	1.0	EPA 8015B	LAB
	sis (such as p	sary.			Other Pa	JET-A	<1.0	<1.0	<1.0	<1.0		mg/L	1.0	EPA 8015B	LAB Substances
	When analysis is done using portable analysi "PA" in the appropriate test method used box.	Make additional copies of this form as necessary.	SIGNATURE:	ESULTS i Event		DIESEL RANGE ORGANICS (C10-C24)	3.6	2.6	<1.0	<1.0		mg/L	1.0	EPA 8015B	LAB LAB LAB MBAS - Methylene Blue Active Substances
	s is done using propriate test rr	ial copies of thi		ANALYTICAL RESULTS for First Storm Event		MBAS	0.130	0.170	0.130	<0.0500		mg/L	0.0500	EPA 425.1	LAB MBAS - Methy
VENT	· When analysi "PA" in the apl	· Make additior	Affairs	ANAL) for Fi		O&G	5.80	3.60	<1.00	5.20		mg/L	1.00	EPA 413.1	e LAB
FIRST STORM EVENT	the	k blank	TITLE: Manager, Environmental Affairs		rameters	sc	399	378	8660	96.6		µmhos/cm	0.100	EPA 120.1	LAB O&G - Oil & Grease
司	value as less than	the appropriate box	TITLE: Manage		Basic Parameters	TSS	264	45.0	91.0	41.0	ŝ.	mg/L	1.00	EPA 160.2	LAB
	ctable), show the	". Instead, leave	Gilb			Hd	5.70	7.30	6.40	6.80		pH units	0.100	EPA 150.1	LAB
	on limit (or non dete ole: <.05)	ier, do not report "0	MPLES: Richard	TIME DISCHARGE STARTED			02:20	02:20	02:20	02:20		TEST REPORTING UNITS:	CTION LIMIT:	TEST METHOD USED:	/ (SELF/LAB): LA SC - Specific Conductance
	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	NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	DATE/TIME OF SAMPLE COLLECTION			10/14/2006 06:15	10/14/2006 12:25	10/14/2006 03:00	10/14/2006 03:15		TEST REPOF	TEST METHOD DETECTION LIMIT:	TEST ME	ANALYZED BY (SELF/LAB): Aded Solids SC - Specific Con
	<ul> <li>If analytical result numerical value (</li> </ul>	· If you did not and	NAME OF PER	DESCRIBE DISCHARGE LOCATION Example: NW Out Fall			C-B07-7			C-B09-10			-		AN TSS - Total Suspended Solids

2006 - 2007 ANNUAL REPORT FORM 1 - SAMPLING ANALYSIS RESULTS Form 1 - page 2 of 8

	$\cdot$ When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.		1, 16 61			STOOLS	<50	<50	<50	<50	<50	<50	mg/L	50	EPA 8015B	I AB
	i portable pH me					AMMONIA as N	0.980	0.490	0.150	1.25	<0.100	0.220	mg/L	0.100	SM 4500-NH3	LAB
	alysis (such as od used box.	cessary.	RE	t IS		COD	719	318	50.0	1160	279	290	mg/L	0.100	EPA 410.4	LAB
	ng portable an	his form as ne	SIGNATURE	L RESUL	ameters	BOD	280	162	27.0	370	120	132	mg/L	2.0	EPA 405.1	LAB
SULTS	sis is done usi in the appropr	· Make additional copies of this form as necessary.	Affairs	ANALYTICAL RESULTS for First Storm Event	Other Parameters	DISSOLVED COPPER Cu <sub>d</sub>	2400	1700	12	2500	380	98	hg/L	4.0	EPA 200.8	LAB
ort Lysis re: <u>Event</u>		· Make additi	nvironmental	AN P		TOTAL COPPER Cu <sub>t</sub>	2500	1900	21	2700	430	220	hg/L	4.0	EPA 200.8	LAB
ANNUAL REPORT MPLING ANALYSIS <u>FIRST STORM EVENT</u>	the numerical	value as less than the numerical · When analysis is do indicate "PA" in the a · Make additional copiethe appropriate box blank TITLE: Manager, Environmental Affairs			TOTAL ALUMINUM Al <sub>t</sub>	3000	560	4800	2600	1400	340	hg/L	100	EPA 200.8	LAB LAB LAB	
ANNUAL REPORT FORM 1 - SAMPLING ANALYSIS RESULTS <u>FIRST STORM EVENT</u>	ie as less than				TOTAL LEAD Pb <sub>t</sub>	56	110	38	55	26	25	hg/L	4.0	EPA 200.8	LAB	
FORM	e), show the valu	stead, leave the a				DISSOLVED	2400	1100	11	5800	250	840	hg/L	4.0	EPA 200.8	LAB
	nit (or non detectabl	do not report "0". In:	.ES: Richard Gilb	TIME DISCHARGE STARTED	- 655		02:20	02:20	02:20	02:20	02:20	02:20	TEST REPORTING UNITS:	CTION LIMIT:	TEST METHOD USED:	(SELF/LAB):
	$\cdot$ If analytical results are less than the detection limit (or non detectable), show the value of the detection limit (example: <.05)	· If you did not analyze for a required parameter, do not report "0". Instead, leave	NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	DATE/TIME OF SAMPLE COLLECTION			10/14/2006 05:35	10/14/2006 05:15	10/14/2006 03:25	10/14/2006 05:50	10/14/2006 05:40	10/14/2006 02:35	TEST REPOR	TEST METHOD DETECTION LIMIT:	TEST ME	ANALYZED BY (SELF/LAB):
	<ul> <li>If analytical results are less than the detec value of the detection limit (example: &lt;.05)</li> </ul>	If you did not analyze	VAME OF PERSON	DESCRIBE DISCHARGE LOCATION Example: NW Out Fall			C-B01-1	C-B03-2				C-B07-6 1		F		

Form 1 - page 3 of 8

	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.				AMMONIA GLYCOLS as N	0.290 <50	0.100 <50	<0.100 <50	0.120 <50	mg/L mg/L	0.100 50	SM 4500- EPA 8015B NH3	LAB LAB LAB
	nalysis (such a lod used box. ecessary.	RE:			COD	506	120	218	60.0	mg/L	0.100	EPA 410.4	LAB
	ng portable ar nate test meth this form as ne	SIGNATURE:	ESULTS I Event	ters	BOD	218	41.0	108	27.0	mg/L	2.0	EPA 405.1	LAB
JLTS	<ul> <li>When analysis is done using portable analysis (such indicate "PA" in the appropriate test method used box.</li> <li>Make additional copies of this form as necessary.</li> </ul>		ANALYTICAL RESULTS for First Storm Event	Other Parameters	DISSOLVED COPPER Cud	180	120	22	12	нд/Г	4.0	EPA 200.8	LAB
RT 'SIS RESI <u>VENT</u>	· When anali indicate "PA' · Make addit	tal Affairs	ANAL' for F	ō	TOTAL COPPER Cui	220	330	50	38	н9/L	4.0	EPA 200.8	AB LAB LAB
ANNUAL REPORT MPLING ANALYSIS I FIRST STORM EVENT	e numerical ank	, Environmen			TOTAL ALUMINUM Al,	480	230	<50	8700	hg/L	100	EPA 200.8	LAB
ANNUAL REPORT FORM 1 - SAMPLING ANALYSIS RESULTS <u>FIRST STORM EVENT</u>	the value as less than the numerical ve the appropriate box blank	TITLE: Manager, Environmental Affairs			TOTAL LEAD Pb <sub>t</sub>	42	24	63	66	hg/L	4.0	EPA 200.8	LAB
FORN	table), show the val Instead, leave the	q			DISSOLVED ZINC Znd	069	190	59	16	hg/L	4.0	EPA 200.8	LAB
	i limit (or non detec ar, do not report "0".	PLES: Richard G	TIME DISCHARGE STARTED			02:20	02:20	02:20	02:20	TEST REPORTING UNITS:	CTION LIMIT:	TEST METHOD USED:	(SELF/LAB):
	<ul> <li>If analytical results are less than the detection limit (or non detectable), show the value as less than the nu value of the detection limit (example: &lt;.05)</li> <li>If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank</li> </ul>	NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	DATE/TIME OF SAMPLE COLLECTION			10/14/2006 06:15	10/14/2006 12:25	10/14/2006 03:00	10/14/2006 03:15	TEST REPOF	TEST METHOD DETECTION LIMIT:	TEST ME	ANALYZED BY (SELF/LAB):
	If analytical result value of the detect If you did not ana	NAME OF PERS	DESCRIBE DISCHARGE LOCATION Example: NW Out Fall						C-B09-10 1		F		

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	When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.		Color to the by		ameters	OIL RANGE TOTAL TOTAL ORGANICS IRON ZINC (C22-C36) Fe, Zn,	1.6 3.00 760	<0.040	2.7 0.26 160	2.1 1.3 240	mg/L ma/L ua/L	0.040	EPA 8015B EPA 200.8 EPA 200.8	LAB LAB LAB
	sis (such as po x.	ssary.	A A A A A A A A A A A A A A A A A A A		Other Parameters	JET-A	<0.050	<0.050	<0.050	<0.050	mg/L	0:050	EPA 8015B	LAB
	<ul> <li>When analysis is done using portable analys</li> <li>"PA" in the appropriate test method used box.</li> </ul>	Make additional copies of this form as necessary.	SIGNATURE:	ANALYTICAL RESULTS for Second Storm Event		DIESEL RANGE ORGANICS	2.1	1.2	3.8	1.8	mg/L	0.050	EPA 8015B	LAB LAB LAB
-1	rsis is done usin	onal copies of th	Ś	AL YTICAL Second St		MBAS	0.170	0.0900	0.100	<0.0500	mg/L	0.0500	EPA 425.1	LAB
	· When analy "PA" in the a	· Make additi	ımental Affair	AN		O&G	2.30	<1.00	1.40	2.00	mg/L	1.00	EPA 413.1	LAB
SECOND SLUKIN EVEN	han the	box blank	TITLE: Manager, Environmental Affairs		ameters	sc	272	182	10400	364	µmhos/cm	0.100	EPA 120.1	LAB
~	ne value as less ti	e the appropriate	тітсе: Ма		<b>Basic Parameters</b>	TSS	46.0	12.0	114	27.0	mg/L	1.00	EPA 160.2	LAB
	tectable), show t	0°. Instead, leav	I Gilb			Ħ	5.90	7.20	6.70	7.00	pH units	0.100	EPA 150.1	LAB
	ion limit (or non de ble: <.05)	ster, do not report'	MPLES: Richard	TIME DISCHARGE STARTED			18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	TING UNITS:	CTION LIMIT:	TEST METHOD USED:	Y (SELF/LAB): LA
	<ul> <li>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: &lt;.05)</li> </ul>	If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank	NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	DATE/TIME OF SAMPLE COLLECTION			12/17/2006 12:30			12/16/2007 19:15	TEST REPORTING UNITS:	TEST METHOD DETECTION LIMIT:	TEST MET	ALYZED BY
	<ul> <li>If analytical results numerical value of i</li> </ul>	· If you did not analy	NAME OF PERS	DESCRIBE DISCHARGE LOCATION Example: NW Out Fall						C-B09-10		TES		AN

2006 - 2007 ANNUAL REPORT FORM 1 - SAMPLING ANALYSIS RESULTS

SECOND STORM EVENT

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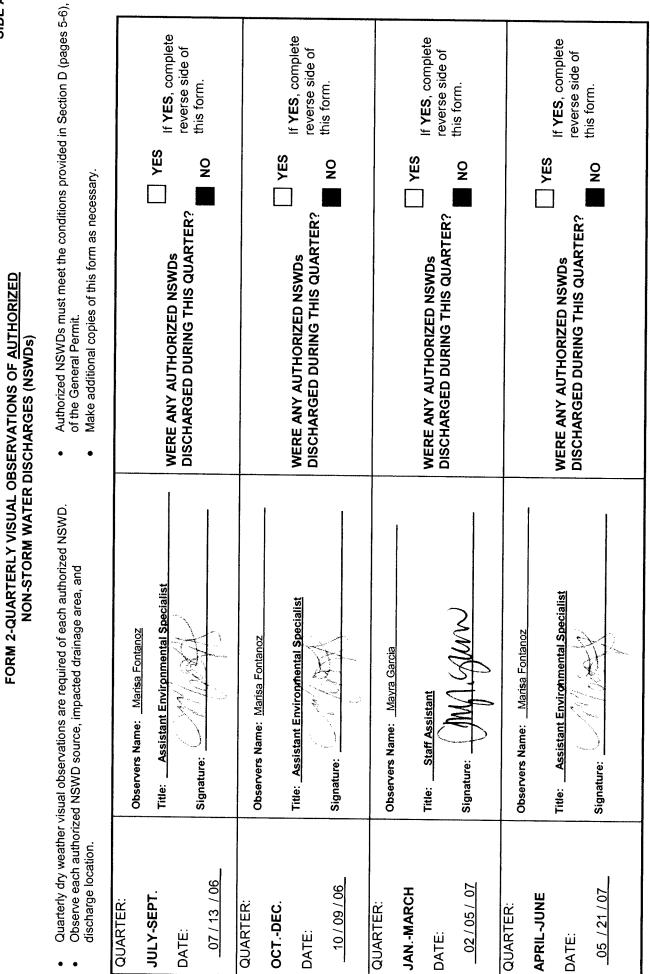
	· When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.				SLYCOLS	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	mg/L	10.0	EPA 8015B	LAB
	oortable pH me				AMMONIA as N	0.830	0.370	0.180	0.960	<0.100	0.240	mg/L	0.100	SM 4500- NH3	LAB LAB L
	lysis (such as p d used box.	essary. E:	, sta		cop	129	87.0	47.0	163	120	121	mg/L	0.100	EPA 410.4	LAB
	g portable anal ste test methoo	is form as necess SIGNATURE:	RESULT orm Ever	meters	BOD	43.0	32.0	25.8	71.0	66.0	47.0	mg/L	2.0	EPA 405.1	LAB
KESULTS <u>VENT</u>	<ul> <li>When analysis is done using portable analysis (such indicate "PA" in the appropriate test method used box.</li> </ul>	Make additional copies of this form as necessary. Onmental Affairs SIGNATURE:	ANALYTICAL RESULTS for Second Storm Event	Other Parameters	DISSOLVED COPPER Cu <sub>d</sub>	140	160	4.3	100	240	45	hg/L	2.0	EPA 200.8	LAB
LING ANALYSIS RESU	· When analys indicate "PA"	· Make additio ronmental Af	ANA for S		TOTAL COPPER Cu <sub>i</sub>	200	310	19	150	300	100	hg/L	2.0	EPA 200.8	AB LAB LAB
ANNUAL REPORT ANNUAL REPORT FORM 1 - SAMPLING ANALYSIS RESULTS <u>SECOND STORM EVENT</u>	than the	opropriate box blank · Make additional c TITLE: Manager, Environmental Affairs			TOTAL ALUMINUM Al <sub>t</sub>	1500	1500	2000	066	1500	110	hg/L	50	EPA 200.8	LAB
4 RM 1 - SAI	e value as less	leave the appropriate box blank TITLE: Manager, <sup>1</sup>			TOTAL LEAD Pb <sub>t</sub>	12	20	16	4.7	7.3	5.1	hg/L	2.0	EPA 200.8	LAB
FO	ctable), show the	stead,			DISSOLVED ZINC Znd	200	130	7.3	43	170	500	hg/L	2.0	EPA 200.8	LAB
	n limit (or non dete e: <.05)	er, do not report "0 APLES: Richard	TIME DISCHARGE STARTED			18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	<b>TING UNITS:</b>	CTION LIMIT:	TEST METHOD USED:	(SELF/LAB):
	. If analytical results are less than the detection limit (or non detectable), show the value as less than the numencal value of the detection limit (example: <.05)	If you did not analyze for a required parameter, do not report "0". Instead, NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	DATE/TIME OF SAMPLE COLLECTION			12/17/2006 11:20	12/17/2006 11:35	12/16/2006 20:45	12/16/2006 20:25		12/16/2006 20:15	TEST REPORTING UNITS:	TEST METHOD DETECTION LIMIT:	TEST ME	ANALYZED BY (SELF/LAB):
	<ul> <li>If analytical results</li> <li>numenical value of t</li> </ul>	· If you did not analy NAME OF PERS(	DESCRIBE DISCHARGE LOCATION Example: NW Out Fall				C-B03-2	C-B05-3	C-B05-4		C-B07-6		Ŧ		

Form 1 - page 7 of 8

		<ul> <li>When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.</li> <li>Make additional conies of this form as necessary.</li> </ul>	( - 1, Ja (			NIA GLYCOLS	0 <10.0	0 <10.0	0 <10.0	o <10.0	mg/L	10.0	0- EPA 8015B	LAB
		is portable pł	2 N			AMMONIA as N	0.260	0.120	<0.100	0.140	mg/L	0.100	SM 4500- NH3	LAB LAB L
		alysis (such a d used box.	ZE:			co	182	47.0	389	101	mg/L	0.100	EPA 410.4	LAB COD Cho
		i portable and te test metho s form as per	SIGNATURE:	ESULTS m Event	eters	BOD	65.0	18.0	148	35.0	mg/L	2.0	EPA 405.1	LAB
JLTS		When analysis is done using portable analysis (suindicate "PA" in the appropriate test method used . Make additional conies of this form as nerossand		ANALYTICAL RESULTS for Second Storm Event	Other Parameters	DISSOLVED COPPER Cud	55	54	9.2	82	hg/L	2.0	EPA 200.8	LAB
<b>YSIS RESU</b>	RM EVENT	<ul> <li>When analy</li> <li>indicate "PA"</li> <li>Make addition</li> </ul>	nental Affairs	ANAI for Se		TOTAL COPPER Cu <sub>t</sub>	210	74	42	100	hg/L	2.0	EPA 200.8	LAB LAB LAB LAB BOD - Biolonical Oxvien Demand
NG ANAL	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	TITLE: Manager, Environmental Affairs			TOTAL ALUMINUM Al <sub>i</sub>	2000	<50	100	950	hg/L	50	EPA 200.8	LAB BOD - Bio
KM 1 - SAMPLING ANALYSIS RESULTS	<u>SEC</u>		TITLE: Mana			TOTAL LEAD Pb <sub>t</sub>	23	<2.0	<2.0	5.4	µg/L	2.0	EPA 200.8	LAB
FORM		able), show the va instead, leave the	q			DISSOLVED ZINC Zn <sub>d</sub>	23	<2.0	<2.0	5.4	hg/L	2.0	EPA 200.8	LAB
		limit (or non detect r, do not report "0".	PLES: Richard G	TIME DISCHARGE STARTED			18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	18:00 (12/16)	TEST REPORTING UNITS:	CTION LIMIT:	TEST METHOD USED:	(SELF/LAB):
		If analytical results are less than the detection limit (or non detectable), show the value as less than the nu 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	NAME OF PERSON COLLECTING SAMPLES: Richard Gilb	DATE/TIME OF SAMPLE COLLECTION			12/17/2006 12:30	12/17/2006 08:36	12/16/2006 19:50	12/16/2007 19:15	TEST REPOF	TEST METHOD DETECTION LIMIT:	TEST ME	ANALYZED BY (SELF/LAB):
		<ul> <li>If analytical results are less than the detection if analytical results are less than the detection limit (example: &lt;.05)</li> <li>If you did not analyze for a required paran</li> </ul>	NAME OF PERSO	DESCRIBE DISCHARGE LOCATION Example: NW Out Fail						C-B09-10		Ξ		

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

DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE										
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.	At the NSWD Drainage Area and Discharge Location									
DESCRIBE AU CHARAC CHARAC CHARAC Indicate whether authorize discolored, causing staini discolored, causing staini or an oil sheer At the NSWD Source										
NAME OF AUTHORIZED NSWD SEXAMPLE: Air conditioner condensate										
SOURCE AND LOCATION OF AUTHORIZED NSWD	EXAMPLE: Air conditioner Units on Building C									
DATE /TIME OF OBSERVATION		N/A/ /	 N/A/ /	MM MM 	N/A / /	MM MM MM	N/A/	W M M	N/A / /	

SIDE B

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

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.

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

OLADTED. III V SENT				
	Observers Name: Marisa Fontanoz			If YES to
DATE/TIME OF		NEKE UNAU I HUKIZEU NSWDs ORSEDVEDO		either
OBSERVATIONS	Title: Assistant Environmental Specialist			question,
07/13/06 8:00 DM		WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?		comprete reverse side.
				-
QUARTER: OCTDEC.				
DATE/TIME OF	Observers Name: Marisa Fontanoz			either
OBSERVATIONS	Title: Accietant Conjectmental Constants			question,
AM	THUE. ASSISTANT ELIVITORITIENTAL SPECIALIST			complete
<u>10/09/06</u> 11:00 D PM	Signature:	WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDS?		reverse side.
QUARTER: JANMARCH				
	Observers Name: Mayra Garcia			If YES to
DATE/TIME OF				either
OBSERVATIONS	Title: Staff Assistant			question,
		WERE THERE INDICATIONS OF		complete
Md 00 3:00 BW	Signature:	PRIOR UNAUTHORIZED NSWDs?	🗌 YES 📕 NO	reverse side.
QUARTER: APRIL-JUNE				
	Observers Name: Marisa Fontanoz	WERF UNALITHORIZED		If YES to
DATE/TIME OF	!	NSWDs OBSERVED?		either
OBSERVATIONS	Title: Assistant Environmental Specialist			question,
05/21/07 7·30 T PM		WERE THERE INDICATIONS OF		reverse
	Signature:	PRIOR UNAUTHORIZED NSWDS?	TYES NO	side.

SIDE A

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

DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED					e			
DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION							
DESCRIBE UNAUTHORIZED NSWD CH Indicate whether unauthorized NSWD discolored, causing stains; contains floati sheen, has odors, etc.	AT THE UNAUTHORIZED NSWD SOURCE							
SOURCE AND LOCATION OF UNAUTHORIZED	EXAMPLE: NW Corner of Parking Lot							
NAME OF UNAUTHORIZED NSWD	<u>EXAMPLE:</u> Vehicle Wash Water							
OBSERVATION DATE (FROM REVERSE SIDE)		N/A/ /	MM MM 	N/A / /	₩ В Ш 	N/A / /	 N/A / /	MM DD

SIDE B

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- 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.
- FORM 4 MONTHLY VISUAL OBSERVATIONS OF

SIDE A

- STORM WATER DISCHARGES

   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. •

	Drainage Location Description	Observation Time	Were Pollutants Observed
Observation Date: November 27, 2006	C-B01-1	12:10 PM	□ YES ■ NO
Observers Name: Marisa Fontanoz/ Mayra Garcia	C-B03-2	12:03 PM	□ YES ■ NO
Title: Assist. Environmental Specialist/ Staff Assist.	C-B05-3	12:48 PM	□ YES ■ NO
Signatures	C-B05-4	12:01 PM	□ YES ■ NO
- MAIRWA	C-B06-5	12:35 PM	□ YES ■ NO
Time Discharge Began: 11:35 AM	C-B07-6	2:29 PM	□ YES ■ NO
Observation Time: 12:00 PM	C-B07-7	1:08 PM	□ YES ■ NO
Were Pollutants Observed: NO	C-B08-8	12:18 PM	□ YES ■ NO
(If yes, complete reverse side)	C-B12-9	1:58 PM	□ YES ■ NO
	C-B09-10	1:17 PM	□ YES ■ NO

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## FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

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

Form 4 – page 2 of 8

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

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## **ADDITIONAL PAGES**

	Drainage Location Description	Observation Time	Were Polluta	Were Pollutants Observed
Observation Date: Decomber 22 2005	C-B01-1	: A.M. / PM	C YES	ON []
Observers Name: Defend Cilh	C-B03-2	: A.M. / PM	D YES	ON []
	C-B05-3	: A.M. / PM	D YES	ON []
Simpline:	C-B05-4	: A.M. / PM	D YES	ON []
	C-B06-5	: A.M. / PM	D YES	ON []
gan: <u>None</u>	C-B07-6	: A.M. / PM	□ YES	ON []
A CS	C-B07-7	: A.M. / PM	D YES	ON []
Were Pollutants Observed: N/A (If yes, complete reverse side)	C-B08-8	: A.M. / PM	□ YES	ON []
	C-B12-9	: A.M. / PM	C YES	ON []
	C-B09-10	: A.M. / PM	D YES	ON []

Were Pollutants Observed	M DYES NO	Me TYES NO	M DY NO	MC D VES D NO	MC D A C NO	MC D NO	M DY DI NO	M DY	M DYES NO	M DYES NO
Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM			
Drainage Location Description	C-B01-1	C-B03-2	C-B05-3	C-B05-4	C-B06-5	C-B07-6	C-B07-7	C-B08-8	C-B12-9	C-B09-10
Observation Date: January 30, 2007         Observers Name: Richard GND         Observers Name: Richard GND         Title: Manager, Environmental Affairs         Title: Manager, Environmental Affairs         Title: Discharge Began: None – insufficient volume         Observed: None – insufficient volume         Observation Time: 8:50 AM         Were Pollutants Observed: Nick         (If yes, complete reverse side)										

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## FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION						
IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS						
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.					
DRAINAGE AREA DESCRIPTION						
DATE/TIME OF OBSERVATION (From Reverse Side)		MA / NA / MA	NA / / NA / / MA	NA / / 	NA / / AM MM PM	NA / / 

Form 4 – page 4 of 8

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

## ADDITIONAL PAGES

	Drainage Location Description	Observation Time	Were Pollutants Observed	
	C-B01-1	10:43 AM	□ YES ■ NO	
Observation Date: February 2/, 200/	C-B03-2	10:37 AM	□ YES ■ NO	ŀ
version	C-B05-3	10:52 AM	□ YES ■ NO	
	C-B05-4	10:35 AM	□ YES ■ NO	
	C-B06-5	10:46 AM	□ YES ■ NO	
gan: <u>9:3</u>	C-B07-6	: A.M. / PM	D YES D NO	
9	C-B07-7	9:40 AM	□ YES ■ NO	1
Were Pollutants Observed: NO (If yes, complete reverse side)	C-B08-8	10:22 AM	□ YES ■ NO	Τ
	C-B12-9	10:30 AM	□ YES ■ NO	
	C-B09-10	11:20 AM	□ YES ■ NO	1

	Were Pollutants Observed										
H H	Observation Time	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM	: A.M. / PM
Drainand Londian Docariation	Urainage Location Description	C-B01-1	C-B03-2	C-B05-3	C-B05-4	C-B06-5	C-B07-6	C-B07-7	C-B08-8	C-B12-9	C-B09-10
		Ohsanvation Date: March 24 2007	Observers Name: Dishard City			· · · /	None	AM	were Poliutants Observed: N/A (If yes, complete reverse side)		

SIDE A

	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION												
S	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS												
ADDITIONAL PAGES	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.											
	DRAINAGE AREA DESCRIPTION												
	DATE/TIME OF OBSERVATION (From Reverse Side)		NA / /	WW	NA / /	WW	W W U U U U U U U U U U U U U U U U U U	NA / /	- AM	NA / /	- AM	NA / /	

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

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SIDE B

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

## **ADDITIONAL PAGES**

	Drainage Location Description	Ohservation Time	Mara Dollintante Obcoard	
Observation Date: April 12. 2007	C-B01-1	: A.M. / PM		
Observers Name - Dichard Cith	C-B03-2	: A.M. / PM		
Title: Mannor Environment Attain	C-B05-3	: A.M. / PM		
	C-B05-4	: A.M. / PM		
	C-B06-5	: A.M. / PM		
E	C-B07-6	: A.M. / PM		
A	C-B07-7	: A.M. / PM		
vere Pollutants Observed: N/A (If yes, complete reverse side)	C-B08-8	: A.M. / PM		
	C-B12-9	. A.M. / PM		
	C-B09-10	: A.M. / PM		
	Drainage Location Description	Observation Time	Were Pollutants Observed	
Observation Date: Anril 20 2007	C-B01-1	2:17 PM	□ YES ■ NO	
Observers Name: Marin Entrant	C-B03-2	2:11 PM	□ YES ■ NO	
	C-B05-3	3:13 PM	□ YES ■ NO	
Simplified and the specialist	C-B05-4	2:09 PM	□ YES ■ NO	
1	C-B06-5	2:20 PM	□ YES ■ NO	
5	C-B07-6	3:28 PM	□ YES ■ NO	
ž	C-B07-7	2:39 PM	□ YES ■ NO	
were Pollutants Observed: NO (If yes, complete reverse side)	C-B08-8	2:06 PM	□ YES ■ NO	
	C-B12-9	2:25 PM	□ YES ■ NO	
	C-B09-10	2:50 PM	□ YES ■ NO	T

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## FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF													
IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS													
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.												
DRAINAGE AREA DESCRIPTION													
DATE/TIME OF OBSERVATION (From Reverse Side)		NA / /	MM D D MM	NA / /	W W U U U U U U U U U U U U U U U U U U	NA / /	• • • • • • • • • • • • • • • • • • •	NA / /	AM PM	NA / /	AM	NA / /	

SIDE B

	POTENTIAL POLLU	COMPR	REHENSIVE S	FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS	
EVALUATION DATE: <u>Mav/June 2007</u> INSP	ECTOR NAME: <u>Marisa Fontanoz/</u>	<u>Mayra Ga</u> i	<u>rcia</u> TITLE: <u>Assistan</u>	EVALUATION DATE: <u>May/June 2007</u> INSPECTOR NAME: <u>Marisa Fontanoz/Mayra Garcia</u> TITLE: <u>Assistant Environmental Specialist/Staff Assistant</u> SIGNATURE:	NATURE: 200 1 / MM MV
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) American Eagle, Incorporated	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	YES	If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation Evidence of oily stains apparently caused by leaking equipment at the Commuter Terminal ramp areas.	Describe additional/revised BMPs or corrective actions and their date(s) of implementation American Eagle was notified of the deficiency by email.
	ARE ADDITIONAL/REVISED BMPs NECESSARY?				Problems were abated on May 29, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Capital Cargo	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?		If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation Used dry absorbent left on the ground. Oily stains around Capital Cardo's operations	Describe additional/revised BMPs or corrective actions and their date(s) of implementation Capital Cargo was notified of the deficiency by email
	ARE ADDITIONAL/REVISED BMPs NECESSARY?			area. Batteries stored outdoors without secondary containment and overhead coverage.	Problems were abated on June 19, 2007.
				Bucket of unknown waste liquid stored outdoors.	
SOURCE/INDUSTRIAL FOLLULANI (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	VO NO	If yes, to either question, complete the next two	Describe deficiencies in BMPs or BMP implementation Lavatory deodorant stains on the ramp area	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
DAL Global Services	ARE ADDITIONAL/REVISED BMPs NECESSARY?	NO TEN	form	between Gates 16 and 17. Leaking lavatory service vehicle.	DAL Global Services was notified of the deficiency by email. Problems were abated on June 14, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Elite Line Services, Incorporated	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?		If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation 55-gallon drums of hydraulic fluid stored without secondary containment.	Describe additional/revised BMPs or corrective actions and their date(s) of implementation Elite Line Services, Incorporated was notified
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	NO VE		Significant materials not properly labeled, sealed, and stored in secondary containment. Need spill kits readily available to use in an event of a spill and train employees to use them properly.	Problems were abated on June 20, 2007.

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FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION

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

SIDE B

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POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA	HAVE ANY BMPs NOT BEEN	YES		Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of
(as identified in your SWPPP) Jimsair Aviation Services, Incornorated	FULLY IMPLEMENTED?		If yes, to either question, complete the next two	Drums of waste liquid and spent absorbent material without secondary containment and overhead coverage.	implementation Jimsair Aviation Services, Incorporated was notified of the deficiency by email.
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	NO E	form	Batteries stored outdoors without secondary containment and overhead coverage.	Problems were abated on June 26, 2007.
				Leaking ground service equipment.	
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	Start No Start St	If yes, to either question, complete the	Describe deficiencies in BMPs or BMP implementation Evidence of recent spills and stains in operations area.	Describe additional/revised BMPs or corrective actions and their date(s) of implementation Northwest Airlines, Incorporated was notified
Northwest Airlines, Incorporated	ARE ADDITIONAL/REVISED BMPs NECESSARY?	So So So So So So So So So So So So So S	next two columns of this form	Secondary containment filled with liquid waste. 55-gallon drums being stored inside the secondary containment, labeled Hazardous Waste – Jet Fuel, Mixed Solvents, with an accumulation date of 10/11/05.	of the deficiency by email. Problems were abated on June 6, 2007.
		4900		Evidence of improper waste management and disposal.	
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Skywest Airlines	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?		If yes, to either question, complete the next two	Describe deficiencies in BMPs or BMP implementation Properly dispose of the 55-gallon drum of Glycol fluid stored inside the jet blast fence with no secondary containment.	Describe additional/revised BMPs or corrective actions and their date(s) of implementation Skywest Airlines was notified of the deficiency by email
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	₫ 8 NO NO NO NO NO NO NO S S S S S S S S S	columns of this form	Improper storage of the Hydraulic fluid containers. Improper storage of cleaning materials.	Problems were abated on June 8, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	The second secon		Describe deficiencies in BMPs or BMP implementation Properly seal and store cleaning supplies in	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
SPC Airport Services, Incorporated	ARE ADDITIONAL/REVISED BMPs NECESSARY?	T NO T T T T T T T T T T T T T T T T T T	complete the next two columns of this form	secondary containment.	SPC Airport Services, Incorporated, was notified of the deficiency by email. Problems were abated on June 11, 2007.

		2006 - 2007	ANNUAL REPORT
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FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

SIDE C

EVALUATION DATE: <u>Mav/June 2007</u> INSPE	CTOR NAME: Marisa Fontanoz/Mayra G	ayra Garcia TIT	LE: <u>Assistant</u>	EVALUATION DATE: <u>Mav/June 2007</u> INSPECTOR NAME: <u>Marisa Fontanoz/Mayra Garcia</u> TITLE: <u>Assistant Environmental Specialist/Staff Assistant</u> SIGNATURE:	ATURE: 2 / MUMUNI
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Timco	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	Se da I NO KES	If yes, to either question, complete the next two	Describe deficiencies in BMPs or BMP implementation Oil waste stored without secondary containment and overhead coverage.	Describe additional/revised BMPs or corrective actions and their date(s) of implementation Timco was notified of the deficiency by email.
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	S S S S S S S S S S S S S S S S S S S	columns of this form		Problems were abated on May 31, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	NO If y	If yes, to either question, complete the	Describe deficiencies in BMPs or BMP implementation Blue lavatory deodorant spill in the cargo area.	Describe additional/revised BMPs or corrective actions and their date(s) of implementation United Airlines, Incorporated was notified of
United Airlines, Incorporated	ARE ADDITIONAL/REVISED BMPs NECESSARY?		next two columns of this form	Improperly stored materials near Gate 12. Please store the small oil container and Honey Bee cleaner properly. Improperly stored flammables materials in cabinet under a stair way near Gate 12.	the deficiency by email. Problems were abated on June 5, 2007.
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	NC Solution	If yes, to either question, complete the next two	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
	ARE ADDITIONAL/REVISED BMPs NECESSARY?		form		
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?		If yes, to either question,	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
	ARE ADDITIONAL/REVISED BMPs NECESSARY?		complete the next two columns of this form		

## ANALYTICAL DATA



MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123	Project: San Diego Project Number: [none] Project Manager: Amanda A	-		<b>Reported:</b> 01/04/07 13:40
	ANALYTICAL REPORT FOR SAMI	PLES		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1-10-14-06	0610335-01	Liquid	10/14/06 05:35	10/14/06 16:07
C-B03-2-10-14-06	0610335-02	Liquid	10/14/06 05:15	10/14/06 16:07
C-B05-3-10-14-06	0610335-03	Liquid	10/14/06 03:25	10/14/06 16:07
C-B05-4-10-14-06	0610335-04	Liquid	10/14/06 05:50	10/14/06 16:07
C-B06-5-10-14-06	0610335-05	Liquid	10/14/06 05:40	10/14/06 16:07
C-B09-10-10-14-06	0610335-06	Liquid	10/14/06 03:15	10/14/06 16:07
C-B07-6-10-14-06	0610335-07	Liquid	10/14/06 02:35	10/14/06 16:07
C-B07-7-10-14-06	0610335-08	Liquid	10/14/06 06:15	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-09	Liquid	10/14/06 12:25	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-10	Liquid	10/14/06 03:20	10/14/06 16:07
C-B12-9-10-14-06	0610335-11	Liquid	10/14/06 03:00	10/14/06 16:07
S-B08-1-10-14-06	0610335-12	Liquid	10/14/06 12:05	10/14/06 16:07
S-B08-1-10-14-06	0610335-13	Liquid	10/14/06 02:30	10/14/06 16:07
S-B08-2-10-14-06	0610335-14	Liquid	10/14/06 12:15	10/14/06 16:02
S-B02-10-14-06	0610335-15	Liquid	10/14/06 02:38	10/14/06 16:07
S-B09-3-10-14-06	0610335-16	Liquid	10/14/06 12:00	10/14/06 16:07
S-B09-3/C-B09-10-10-14-06	0610335-17	Liquid	10/14/06 02:50	10/14/06 16:07
S-B11-4-10-14-06	0610335-18	Liquid	10/14/06 12:10	10/14/06 16:07
S-B11-4-10-14-06	0610335-19	Liquid	10/14/06 02:50	10/14/06 16:07
S-B05-5-10-14-06	0610335-20	Liquid	10/14/06 12:20	10/14/06 16:07
S-B05-5-10-14-06	0610335-21	Liquid	10/14/06 03:47	10/14/06 16:07
S-B07-6-10-14-06	0610335-22	Liquid	10/14/06 02:27	10/14/06 16:07
S-B08-9-10-14-06	0610335-23	Liquid	10/14/06 05:00	10/14/06 16:07
S-B03-10-10-14-06	0610335-24	Liquid	10/14/06 05:30	10/14/06 16:07
S-B06-11-10-14-06	0610335-25	Liquid	10/14/06 05:15	10/14/06 16:07
S-B06-12-10-14-06	0610335-26	Liquid	10/14/06 12:35	10/14/06 16:07
S-B06-12-10-14-06	0610335-27	Liquid	10/14/06 03:06	10/14/06 16:07
S-B12-13-10-14-06	0610335-28	Liquid	10/14/06 12:13	10/14/06 16:07
S-B12-13-10-14-06	0610335-29	Liquid	10/14/06 03:28	10/14/06 16:07



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **CASE NARRATIVE**

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



MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123	Project: San Diego Project Number: [none] Project Manager: Amanda A	-		<b>Reported:</b> 01/04/07 13:40
	ANALYTICAL REPORT FOR SAMI	PLES		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1-10-14-06	0610335-01	Liquid	10/14/06 05:35	10/14/06 16:07
C-B03-2-10-14-06	0610335-02	Liquid	10/14/06 05:15	10/14/06 16:07
C-B05-3-10-14-06	0610335-03	Liquid	10/14/06 03:25	10/14/06 16:07
C-B05-4-10-14-06	0610335-04	Liquid	10/14/06 05:50	10/14/06 16:07
C-B06-5-10-14-06	0610335-05	Liquid	10/14/06 05:40	10/14/06 16:07
C-B09-10-10-14-06	0610335-06	Liquid	10/14/06 03:15	10/14/06 16:07
C-B07-6-10-14-06	0610335-07	Liquid	10/14/06 02:35	10/14/06 16:07
C-B07-7-10-14-06	0610335-08	Liquid	10/14/06 06:15	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-09	Liquid	10/14/06 12:25	10/14/06 16:07
S-B08-14/C-B08-8-10-14-06	0610335-10	Liquid	10/14/06 03:20	10/14/06 16:07
C-B12-9-10-14-06	0610335-11	Liquid	10/14/06 03:00	10/14/06 16:07
S-B08-1-10-14-06	0610335-12	Liquid	10/14/06 12:05	10/14/06 16:07
S-B08-1-10-14-06	0610335-13	Liquid	10/14/06 02:30	10/14/06 16:07
S-B08-2-10-14-06	0610335-14	Liquid	10/14/06 12:15	10/14/06 16:02
S-B02-10-14-06	0610335-15	Liquid	10/14/06 02:38	10/14/06 16:07
S-B09-3-10-14-06	0610335-16	Liquid	10/14/06 12:00	10/14/06 16:07
S-B09-3/C-B09-10-10-14-06	0610335-17	Liquid	10/14/06 02:50	10/14/06 16:07
S-B11-4-10-14-06	0610335-18	Liquid	10/14/06 12:10	10/14/06 16:07
S-B11-4-10-14-06	0610335-19	Liquid	10/14/06 02:50	10/14/06 16:07
S-B05-5-10-14-06	0610335-20	Liquid	10/14/06 12:20	10/14/06 16:07
S-B05-5-10-14-06	0610335-21	Liquid	10/14/06 03:47	10/14/06 16:07
S-B07-6-10-14-06	0610335-22	Liquid	10/14/06 02:27	10/14/06 16:07
S-B08-9-10-14-06	0610335-23	Liquid	10/14/06 05:00	10/14/06 16:07
S-B03-10-10-14-06	0610335-24	Liquid	10/14/06 05:30	10/14/06 16:07
S-B06-11-10-14-06	0610335-25	Liquid	10/14/06 05:15	10/14/06 16:07
S-B06-12-10-14-06	0610335-26	Liquid	10/14/06 12:35	10/14/06 16:07
S-B06-12-10-14-06	0610335-27	Liquid	10/14/06 03:06	10/14/06 16:07
S-B12-13-10-14-06	0610335-28	Liquid	10/14/06 12:13	10/14/06 16:07
S-B12-13-10-14-06	0610335-29	Liquid	10/14/06 03:28	10/14/06 16:07



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **CASE NARRATIVE**

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



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **Conventional Chemistry Parameters by APHA/EPA Methods**

		Sierra A	nalytical	Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	Sampled: 10/1	14/06 05:35	Received:	10/14/06	16:07				
Ammonia as N	0.980	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	280	2.00	n	в	н	11	11	EPA 405.1	
Chemical Oxygen Demand	719	0.100	n	8	н	11	"	EPA 410.4	
Specific Conductance (EC)	818	0.100	µmhos/cm	п	11	11	"	EPA 120.1	
Methylene Blue Active Substances	0.300	0.0500	mg/L	11	n	lt.	W	EPA 425.1	
Oil & Grease	4.20	1.00		11	n	u.	**	EPA 413.1	
pH	5.00	0.100	pH Units	19	n	11		EPA 150.1	
Total Suspended Solids	264	1.00	mg/L	"	n	11	"	EPA 160.2	
C-B03-2-10-14-06 (0610335-02) Liquid	Sampled: 10/1	14/06 05:15	Received:	10/14/06	16:07				
Ammonia as N	0.490	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	162	2.00	n	17	11	**	"	EPA 405.1	
Chemical Oxygen Demand	318	0.100	11	11	H	**	11	EPA 410.4	
Specific Conductance (EC)	655	0.100	µmhos/cm	11	н	"	"	EPA 120.1	
Methylene Blue Active Substances	0.330	0.0500	mg/L	11	14	"	17	EPA 425.1	
Oil & Grease	3.80	1.00	11	11	14	*	**	EPA 413.1	
рН	5.10	0.100	pH Units	11	19	"	11	EPA 150.1	
Total Suspended Solids	148	1.00	mg/L	11		"	**	EPA 160.2	
C-B05-3-10-14-06 (0610335-03) Liquid	Sampled: 10/1	14/06 03:25	Received:	10/14/06	16:07				
Ammonia as N	0.150	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	·····
<b>Biochemical Oxygen Demand</b>	27.0	2.00	11	11	11	**	n	EPA 405.1	
Chemical Oxygen Demand	50.0	0.100	11	v	17	"	n	EPA 410.4	
Specific Conductance (EC)	108	0.100	µmhos/cm	"	19		"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	n	"	"	11	EPA 425.1	
Oil & Grease	6.10	1.00	11	"	19		**	EPA 413.1	
рН	7.20	0.100	pH Units	11	14		"	EPA 150.1	
Total Suspended Solids	23.0	1.00	mg/L	11	11	**	"	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **Conventional Chemistry Parameters by APHA/EPA Methods**

		Sierra A	nalytical	Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	Sampled: 10/1	14/06 05:35	Received:	10/14/06	16:07				
Ammonia as N	0.980	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	280	2.00	n	в	н	11	11	EPA 405.1	
Chemical Oxygen Demand	719	0.100	n	8	н	11	"	EPA 410.4	
Specific Conductance (EC)	818	0.100	µmhos/cm	п	11	11	"	EPA 120.1	
Methylene Blue Active Substances	0.300	0.0500	mg/L	11	n	lt.	W	EPA 425.1	
Oil & Grease	4.20	1.00		11	n	u.	**	EPA 413.1	
pH	5.00	0.100	pH Units	19	n	11		EPA 150.1	
Total Suspended Solids	264	1.00	mg/L	"	n	11	"	EPA 160.2	
C-B03-2-10-14-06 (0610335-02) Liquid	Sampled: 10/1	14/06 05:15	Received:	10/14/06	16:07				
Ammonia as N	0.490	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	162	2.00	n	17	11	**	"	EPA 405.1	
Chemical Oxygen Demand	318	0.100	11	11	H	**	11	EPA 410.4	
Specific Conductance (EC)	655	0.100	µmhos/cm	11	н	"	"	EPA 120.1	
Methylene Blue Active Substances	0.330	0.0500	mg/L	11	14	"	17	EPA 425.1	
Oil & Grease	3.80	1.00	11	11	14	*	**	EPA 413.1	
рН	5.10	0.100	pH Units	11	19	"	11	EPA 150.1	
Total Suspended Solids	148	1.00	mg/L	11		"	**	EPA 160.2	
C-B05-3-10-14-06 (0610335-03) Liquid	Sampled: 10/1	14/06 03:25	Received:	10/14/06	16:07				
Ammonia as N	0.150	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	·····
<b>Biochemical Oxygen Demand</b>	27.0	2.00	11	11	11	**	n	EPA 405.1	
Chemical Oxygen Demand	50.0	0.100	11	v	17	"	n	EPA 410.4	
Specific Conductance (EC)	108	0.100	µmhos/cm	"	19		"	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	n	"	"	11	EPA 425.1	
Oil & Grease	6.10	1.00	11	"	19		**	EPA 413.1	
рН	7.20	0.100	pH Units	11	14		"	EPA 150.1	
Total Suspended Solids	23.0	1.00	mg/L	11	11	**	"	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

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**Reported:** 01/04/07 13:40

### **Conventional Chemistry Parameters by APHA/EPA Methods**

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		Sierra A	nalytical	Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-10-14-06 (0610335-04) Liquid	Sampled: 10/	14/06 05:50	Received:	10/14/06	16:07				
Ammonia as N	1.25	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	370	2.00	"	"	Ħ	W		EPA 405.1	
Chemical Oxygen Demand	1160	0.100	TT	"	11	19	"	EPA 410.4	
Specific Conductance (EC)	822	0.100	µmhos/cm	n	13	19	n	EPA 120.1	
Methylene Blue Active Substances	0.360	0.0500	mg/L	н	11	W	"	EPA 425.1	
Oil & Grease	6.80	1.00	n	н	11	"	11	EPA 413.1	
pH	5.30	0.100	pH Units	11	11 È	11	п	EPA 150.1	
Total Suspended Solids	430	1.00	mg/L	11	17	"	"	EPA 160.2	
C-B06-5-10-14-06 (0610335-05) Liquid	Sampled: 10/	14/06 05:40	Received:	10/14/06	16:07				
Ammonia as N	ND	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	120	2.00	n	11		"	н	EPA 405.1	
Chemical Oxygen Demand	279	0.100	n	11	*	11	11	EPA 410.4	
Specific Conductance (EC)	211	0.100	µmhos/cm	W	*	"	n	EPA 120.1	
Methylene Blue Active Substances	0.220	0.0500	mg/L	11	**		n	EPA 425.1	
Oil & Grease	4.00	1.00	n	"	"	"	11	EPA 413.1	
рН	4.90	0.100	pH Units	н	17	ท	n	EPA 150.1	
Total Suspended Solids	150	1.00	mg/L	n	"	n	n	EPA 160.2	
C-B09-10-10-14-06 (0610335-06) Liquid	Sampled: 10	/14/06 03:1:	5 Received	l: 10/14/0	6 16:07				
Ammonia as N	0.120	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
Biochemical Oxygen Demand	27.0	2.00	11	"	"	"	n	EPA 405.1	
Chemical Oxygen Demand	60.0	0.100	11	łł.		11	11	EPA 410.4	
Specific Conductance (EC)	96.6	0.100	µmhos/cm	"	"	н	11	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	"	n	n	EPA 425.1	
Oil & Grease	5.20	1.00	11	"	"	n	N	EPA 413.1	
pH	6.80	0.100	pH Units	"	tt	н		EPA 150.1	
Total Suspended Solids	41.0	1.00	mg/L	"		H	"	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **Conventional Chemistry Parameters by APHA/EPA Methods**

Sierra	Analytical	Labs,	Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-6-10-14-06 (0610335-07) Liquid	Sampled: 10/1	4/06 02:35	Received:	10/14/06	16:07				
Ammonia as N	0.220	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	132	2.00	"	."	**	н	n	EPA 405.1	
Chemical Oxygen Demand	290	0.100	\$1	11	"	11	п	EPA 410.4	
Specific Conductance (EC)	212	0.100	µmhos/cm	н	11	11	n	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	и	11	11	н	EPA 425.1	
Oil & Grease	3.70	1.00	11		н	11	n	EPA 413.1	
pH	6.20	0.100	pH Units	И	н	11	н	EPA 150.1	
Total Suspended Solids	120	1.00	mg/L	n	"	"	н	EPA 160.2	
C-B07-7-10-14-06 (0610335-08) Liquid	Sampled: 10/1	4/06 06:15	Received:	10/14/06	16:07				
Ammonia as N	0.290	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	218	2.00	11	n	19	11	n	EPA 405.1	
Chemical Oxygen Demand	506	0.100	11	"	u.	11	n	EPA 410.4	
Specific Conductance (EC)	399	0.100	µmhos/cm	"	"	**	n	EPA 120.1	
Methylene Blue Active Substances	0.130	0.0500	mg/L		v	**	н	EPA 425.1	
Oil & Grease	5.80	1.00	"	11	11	**	n	EPA 413.1	
pH	5.70	0.100	pH Units		11	"	11	EPA 150.1	
Total Suspended Solids	264	1.00	mg/L	n	**	"	11	EPA 160.2	
S-B08-14/C-B08-8-10-14-06 (0610335-09	9) Liquid Sam	pled: 10/14	/06 12:25	Received	: 10/14/06	16:07			
Ammonia as N	0.100	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	· · · · ·
<b>Biochemical Oxygen Demand</b>	41.0	2.00	"	17	"		11	EPA 405.1	
Chemical Oxygen Demand	120	0.100	11		"	*	11	EPA 410.4	
Specific Conductance (EC)	378	0.100	µmhos/cm	11	n	n	17	EPA 120.1	
Methylene Blue Active Substances	0.170	0.0500	mg/L	11	n	*1	11	EPA 425.1	
Oil & Grease	3.60	1.00	"		"	"	11	EPA 413.1	
pH	7.30	0.100	pH Units	"	n		11	EPA 150.1	
Total Suspended Solids	45.0	1.00	mg/L	11	"	n	u	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **Conventional Chemistry Parameters by APHA/EPA Methods**

Sierra	Analytical Labs, Inc.	

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-10-14-06 (0610335-11) Liquid	Sampled: 10/1	4/06 03:00	Received:	10/14/06	16:07			w	
Ammonia as N	ND	0.100	mg/L	1	B6J2612	10/14/06	10/14/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	108	2.00	11	"	11	"	"	EPA 405.1	
Chemical Oxygen Demand	218	0.100	"	H	11	"	"	EPA 410.4	
Specific Conductance (EC)	8660	0.100	µmhos/cm	11	11		"	EPA 120.1	
Methylene Blue Active Substances	0.130	0.0500	mg/L	n	11	n	n	EPA 425.1	
Oil & Grease	ND	1.00	"	11	"	n	п	EPA 413.1	
pH	6.40	0.100	pH Units	19	"	"	"	EPA 150.1	
Total Suspended Solids	· <b>91.0</b>	1.00	mg/L	v	"	n	19	EPA 160.2	
S-B08-1-10-14-06 (0610335-12) Liquid	Sampled: 10/1	Received:	10/14/06	16:07					
Biochemical Oxygen Demand	47.0	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	122	0.100	"			н	"	EPA 410.4	
Specific Conductance (EC)	89.9	0.100	µmhos/cm	н	11	11	"	EPA 120.1	
Oil & Grease	3.30	1.00	mg/L	11	"	n		EPA 413.1	
pH	5.20	0.100	pH Units	17	"	n	н	EPA 150.1	
Total Suspended Solids	57.0	1.00	mg/L		n	и	н	EPA 160.2	
S-B08-2-10-14-06 (0610335-14) Liquid	Sampled: 10/1	4/06 12:15	Received:	10/14/06	16:07				
Biochemical Oxygen Demand	104	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1	
Chemical Oxygen Demand	144	0.100		н	11	"	11	EPA 410.4	
Specific Conductance (EC)	186	0.100	µmhos/cm	н		**		EPA 120.1	
Oil & Grease	3.70	1.00	mg/L		"	**		EPA 413.1	
pH	5.50	0.100	pH Units			"	н	EPA 150.1	
Total Suspended Solids	96.0	1.00	mg/L		11		n	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### **Conventional Chemistry Parameters by APHA/EPA Methods**

Sierra Analytical Labs, Inc.											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note		
S-B09-3-10-14-06 (0610335-16) Liquid	Sampled: 10/1	4/06 12:00	Received:	10/14/06	16:07						
Biochemical Oxygen Demand	40.0	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1			
Chemical Oxygen Demand	107	0.100	19	11	n	11	н	EPA 410.4			
Specific Conductance (EC)	329	0.100	µmhos/cm	11	n	11	"	EPA 120.1			
Oil & Grease	4.90	1.00	mg/L	17	n	11	n	EPA 413.1			
pH	7.00	0.100	pH Units	11	п	11	н	EPA 150.1			
Total Suspended Solids	38.0	1.00	mg/L	W	н	"	n	EPA 160.2			
S-B11-4-10-14-06 (0610335-18) Liquid	Sampled: 10/1	4/06 12:10	Received:	10/14/06	16:07						
Biochemical Oxygen Demand	128	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1			
Chemical Oxygen Demand	329	0.100	11	17	н	"	"	EPA 410.4			
Specific Conductance (EC)	125	0.100	µmhos/cm	**	н	w		EPA 120.1			
Oil & Grease	2.70	1.00	mg/L	17	n	11	8	EPA 413.1			
pH	5.60	0.100	pH Units	11	H	**	U	EPA 150.1			
Total Suspended Solids	144	1.00	mg/L	"	n	"	n	EPA 160.2			
S-B06-12-10-14-06 (0610335-26) Liquid	Sampled: 10	/14/06 12:35	6 Received	: 10/14/0	6 16:07						
Biochemical Oxygen Demand	9.20	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1			
Chemical Oxygen Demand	31.0	0.100	11	**	W	"	11	EPA 410.4			
Specific Conductance (EC)	155	0.100	µmhos/cm	11	n	11	"	EPA 120.1			
Oil & Grease	1.10	1.00	mg/L	11	11	11	н	EPA 413.1			
pH	6.70	0.100	pH Units	"	11	"	н	EPA 150.1			
Total Suspended Solids	8.00	1.00	mg/L	"	19	11	н	EPA 160.2			
S-B12-13-10-14-06 (0610335-28) Liquid	Sampled: 10	/14/06 12:13	Received	: 10/14/0	6 16:07						
Biochemical Oxygen Demand	8.60	2.00	mg/L	1	B6J2612	10/14/06	10/14/06	EPA 405.1			
Chemical Oxygen Demand	28.0	0.100	11	11	11	11	n	EPA 410.4			
Specific Conductance (EC)	182	0.100	µmhos/cm	11	"	11	"	EPA 120.1			
Oil & Grease	1.20	1.00	mg/L	11	11	11	"	EPA 413.1			
pH	6.70	0.100	-	11	11	19	n	EPA 150.1			
Total Suspended Solids	7.00	1.00	 mg/L	11	n	11	"	EPA 160.2			
-			-								



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals by EPA 200 Series Methods

### Sierra Analytical Labs, Inc.

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
C-B01-1-10-14-06 (0610335-01) Liquid	Sampled: 10/	14/06 05:35	Received	1: 10/14/06	16:07				
Aluminum	3000	100	μg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	2500	4.0	11	1P		n	11	"	
Iron	2.5	0.10	mg/L	n.	н	11	п	"	
Lead	56	4.0	μg/L	"	н	11	в		
Zinc	2400	4.0	n	'n	H	11	n	"	
C-B03-2-10-14-06 (0610335-02) Liquid	Sampled: 10/	4/06 05:15	Received	1: 10/14/06	16:07				
Aluminum	560	100	μg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	1900	4.0	н	11	11	11	11	**	
Iron	0.57	0.10	mg/L	"	"	"	17	n	
Lead	110	4.0	μg/L	11	11	11	11	n	
Zinc	1100	4.0	n	"	"	"	11	11	
C-B05-3-10-14-06 (0610335-03) Liquid	Sampled: 10/	4/06 03:25	Received	<b>i: 10/14/06</b>	16:07				
Aluminum	4800	50	μg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	21	2.0	11	11	"	"	**		
Iron	4.4	0.050	mg/L		**	н	n		
Lead	38	2.0	μg/L	12	н		10/24/06	"	
Zinc	74	2.0	"	11	"	n	п	19	
C-B05-4-10-14-06 (0610335-04) Liquid	Sampled: 10/	14/06 05:50	Received	l: 10/14/06	16:07				
Aluminum	2600	100	μg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	2700	4.0	11	"	"		н	n	
Iron	3.1	0.10	mg/L	"	11	17	11		
Lead	55	4.0	μg/L	"	и	u .	и	u.	
Zinc	6500	4.0					11	11	



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

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### Metals by EPA 200 Series Methods

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
L C-B06-5-10-14-06 (0610335-05) Liquid	Sampled: 10	)/14/06 05:40	Received	l: 10/14/06	16:07	-			
Aluminum	1400	50	μg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	····
Copper	430	2.0	"	11	n	11	н	11	
Iron	1.7	0.050	mg/L	11	*		n	н	
Lead	26	2.0	μg/L	11	"		n	11	
Zinc	310	2.0		11	"	"	11		
C-B09-10-10-14-06 (0610335-06) Liquid	Sampled: 1	0/14/06 03:15	Receive	ed: 10/14/0	6 16:07				
Aluminum	8700	50	μg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	38	2.0		n	n	"	11	19	
Iron	8.6	0.050	mg/L	"	н	"	11	11	
Lead	66	2.0	μg/L		17	п	11	11	
Zinc	240	2.0		"	н	"	11	"	
C-B07-6-10-14-06 (0610335-07) Liquid	Sampled: 10	)/14/06 02:35	Received	l: 10/14/06	16:07				
Aluminum	340	50	μg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	220	2.0	n	"	19	н	11	11	
Iron	0.93	0.050	mg/L	н		н	11	*	
Lead	25	2.0	μg/L	н	"	н	"	"	
Zine	1100	2.0	"	n	11	"	"	"	
C-B07-7-10-14-06 (0610335-08) Liquid	Sampled: 10	/14/06 06:15	Received	I: 10/14/06	16:07				
Aluminum	480	100	μg/L	2	B6J1950	10/19/06	10/24/06	EPA 200.8	
Copper	220	4.0	"	н	11		H	"	
Iron	1.0	0.10	mg/L	н	n	н	"	**	
Lead	42	4.0	μg/L		11	н	10/24/06	**	
Zinc	850	4.0	"	н		н	10/24/06	"	



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MACTEC Engineering & Consulting		P	roject: Sa	n Diego A	irport					
9177 Sky Park Court Suite A		Reported:								
San Diego CA, 92123		Project Ma	mager: An	nanda Arch	enhold			01/04/07 13:40		
	Ме	tals by E	PA 200	Series M	ethods					
		Sierra A	nalytica	l Labs, I	nc.					
		Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
S-B08-14/C-B08-8-10-14-06 (0610335-09	9) Liquid Sam	pled: 10/14	/06 12:25	Received	: 10/14/06	16:07				
Aluminum	230	50	μg/L	1	B6J1950	10/19/06	10/24/06	EPA 200.8		
Copper	330	2.0	11	н	11	n	н	"		
Iron	0.45	0.050	mg/L	n	11	н	"	"		
Lead	24	2.0	μg/L	11	11	н	10/24/06	37		
Zinc	240	2.0	"		**	u	11	"		
C-B12-9-10-14-06 (0610335-11) Liquid	Sampled: 10/1	4/06 03:00	Received	i: 10/14/06	16:07					
Aluminum	ND	250	μg/L	5	B6J1950	10/19/06	10/24/06	EPA 200.8		
Copper	50	10	н	*	n		**	"		
Iron	0.29	0.25	mg/L	*1	"	"	**	n		
Lead	93	10	μg/L	**	11	"	**	n		
Zinc	140	10	и	11	11	н	"	n		
S-B08-1-10-14-06 (0610335-12) Liquid	Sampled: 10/1	4/06 12:05	Received	I: 10/14/06	16:07					
Aluminum	300	100	μg/L	2	B6J1951	10/19/06	10/24/06	EPA 200.8		
Copper	54	2.0	11	1	11	17		n		
Iron	0.20	0.050	mg/L		11	11	n	n		
Lead	19	2.0	μg/L		"		н	11		
Zinc	330	2.0	"	"	11	11	n			
S-B08-2-10-14-06 (0610335-14) Liquid	Sampled: 10/1	4/06 12:15	Received	: 10/14/06	16:07					
Aluminum	810	50	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8		
Copper	63	2.0	"	**		n	19	"		
Iron	1.1	0.050	mg/L	"		11	11	11		
Lead	21	2.0	μg/L	11	"	n	11	11		
Zinc	240	2.0	"	11	11	11	11	11		

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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MACTEC Engineering & Consulting

9177 Sky Park Court Suite A San Diego CA, 92123		<b>Reported:</b> 01/04/07 13:40							
	Met	als by E	nager: Am PA 200 S						
	\$	Sierra A	nalytical	l Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notor
S-B09-3-10-14-06 (0610335-16) Liquid						Frepared	Anaryzeu	Methou	Notes
	Sampleu: 10/14	00 12:00	Neceiveu	10/14/00	10:07				
Aluminum	130	50	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	50	2.0	"	11	"	11	"	*1	
Iron	0.21	0.050	mg/L	11	"	11	11	n	
Lead	20	2.0	μg/L	"	"	11	"	**	
Zinc	120	2.0	"	"	57	19	11	**	
S-B11-4-10-14-06 (0610335-18) Liquid	Sampled: 10/14	/06 12:10	Received	: 10/14/06	16:07				
Aluminum	7700	50	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	150	2.0	"	**	**	19	10/24/06	"	
Iron	11	0.050	mg/L	"	"		10/24/06	**	
Lead	91	2.0	μg/L	11	W	17	10/24/06	**	
Zinc	1000	2.0		11	97	19	"	11	
5 DOS # 10 14 04 (0410325 20) T :	0 1 1 10/14	06 10.00	D	10/14/06	16.07				
2-D02-2-10-14-00 (0010222-20) Liquid	Sampled: 10/14	/00 12:20	Received:	10/14/00	10.07				
	Sampled: 10/14 120	2.0		10/14/00	B6J1951	10/19/06	10/24/06	EPA 200.8	
Copper	-		μg/L "			10/19/06 "	10/24/06	EPA 200.8 "	
S-B05-5-10-14-06 (0610335-20) Liquid Copper Zinc S-B07-6-10-14-06 (0610335-22) Liquid	120 270	2.0 2.0	μg/L "	1	B6J1951 "				
Zinc	120 270	2.0 2.0	μg/L "	1	B6J1951 "				

Project: San Diego Airport

### S-B08-9-10-14-06 (0610335-23) Liquid Sampled: 10/14/06 05:00 Received: 10/14/06 16:07

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Copper		220	2.0	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8	
Zinc		210	2.0	n	n	v	11	10/24/06	17	



MACTEC Engineering & Consulting				n Diego A	lirport					
9177 Sky Park Court Suite A		Project Nu	mber: [no	one]				Reported:		
San Diego CA, 92123		Project Ma	nager: Ar	nanda Arch	enhold			01/04/07 13:40		
	Me	tals by EF	PA 200	Series M	ethods					
	101, -1., 112, -1, 121,	Sierra Aı	nalytica	l Labs, I	nc.					
		Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
S-B03-10-10-14-06 (0610335-24) Liquid	Sampled: 10/	14/06 05:30	Receive	ed: 10/14/0	6 16:07					
Copper	2000	2.0	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8		
Zine	720	2.0	"	"	11	*	н	н		
S-B06-11-10-14-06 (0610335-25) Liquid	Sampled: 10/1	14/06 05:15	Receive	ed: 10/14/0	6 16:07					
Copper	680	2.0	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8		
Zinc	190	2.0			11	n	19	11		
S-B06-12-10-14-06 (0610335-26) Liquid	Sampled: 10/1	14/06 12:35	Received: 10/14/06 16:07							
Aluminum	ND	50	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8		
Copper	38	2.0	n	"	11	13	"	"		
Iron	0.16	0.050	mg/L	11	11	n	11	н ,		
Lead	21	2.0	μg/L	"	н	"	10/24/06	**		
Zinc	92	2.0	19	"	11	**	"	11		
S-B12-13-10-14-06 (0610335-28) Liquid	Sampled: 10/1	14/06 12:13	Receive	ed: 10/14/0	6 16:07					
Aluminum	62	50	μg/L	1	B6J1951	10/19/06	10/24/06	EPA 200.8		
Copper	27	2.0	11	**	19	"	8	11		
Iron	ND	2.0	mg/L	"	. "	"	n	n		
Lead	22	2.0	μg/L	"	"	"	10/24/06			
Zine	60	2.0	**	"	11	11	0			



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
C-B01-1-10-14-06 (0610335-01) Liquid	Sampled: 10/	14/06 05:35	Receive	d: 10/14/06	16:07						
Copper Zinc	2400 2400	4.0 4.0	μg/L "	2	B6J2324 "	10/23/06	10/24/06 "	EPA 200.8 "	(2000) <u>180-000</u>		
C-B03-2-10-14-06 (0610335-02) Liquid	Sampled: 10/	14/06 05:15	Receive	d: 10/14/06	16:07						
Copper Zinc	1700 1100	4.0 4.0	μg/L "	2	B6J2324 "	10/23/06	10/24/06	EPA 200.8 "			
C-B05-3-10-14-06 (0610335-03) Liquid	Sampled: 10/	14/06 03:25	Receive	d: 10/14/06	16:07						
Copper Zinc	12 11	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06	10/24/06	EPA 200.8 "			
C-B05-4-10-14-06 (0610335-04) Liquid	Sampled: 10/	14/06 05:50	Received	d: 10/14/06	16:07						
Copper Zinc	2500 5800	4.0 4.0	μg/L "	2	B6J2324 "	10/23/06	10/24/06	EPA 200.8 "			
C-B06-5-10-14-06 (0610335-05) Liquid	Sampled: 10/	14/06 05:40	Received	d: 10/14/06	16:07						
Copper Zinc	380 250	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06	10/24/06 10/24/06	EPA 200.8 "			
C-B09-10-10-14-06 (0610335-06) Liquid	Sampled: 10	/14/06 03:15	Receiv	ed: 10/14/0	6 16:07						
Copper Zinc	12 16	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06	10/24/06 "	EPA 200.8 "			
C-B07-6-10-14-06 (0610335-07) Liquid	Sampled: 10/	14/06 02:35	Received	d: 10/14/06	16:07						
Copper Zinc	98 840	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06 "	10/24/06 "	EPA 200.8 "			



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals (Dissolved) by EPA 200 Series Methods .

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		<b>.</b>							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B07-7-10-14-06 (0610335-08) Liquid	Sampled: 10/1	4/06 06:15	Receive	d: 10/14/06	16:07				
Copper Zinc	180 690	4.0 4.0	μg/L "	2	B6J2324 "	10/23/06 "	10/24/06 "	EPA 200.8 "	
S-B08-14/C-B08-8-10-14-06 (0610335-0	9) Liquid Sam	pled: 10/14	/06 12:25	Received	: 10/14/06	16:07			
Copper Zinc	120 190	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06 "	10/24/06 10/24/06	EPA 200.8	
C-B12-9-10-14-06 (0610335-11) Liquid	Sampled: 10/1	4/06 03:00	Receive	d: 10/14/06	16:07				
Copper Zinc	22 59	10 10	μg/L "	2	B6J2324 "	10/23/06	10/24/06 10/24/06	EPA 200.8	
S-B08-1-10-14-06 (0610335-12) Liquid	Sampled: 10/1	4/06 12:05	Received	I: 10/14/06	16:07				
Copper Zinc	46 260	2.0 2.0	μg/L "	1	B6J2324 "	10/23/06	10/24/06 "	EPA 200.8 "	
S-B08-2-10-14-06 (0610335-14) Liquid	Sampled: 10/1	4/06 12:15	Received	I: 10/14/06	16:07				
Copper Zinc	58 210	2.0 2.0	μg/L "	1	B6J2324 "	10/23/06	10/24/06 10/24/06	EPA 200.8 "	
S-B09-3-10-14-06 (0610335-16) Liquid	Sampled: 10/1	4/06 1 <b>2:</b> 00	Received	l: 10/14/06	16:07				
Copper Zinc	50 110	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06 "	10/24/06 "	EPA 200.8	
S-B11-4-10-14-06 (0610335-18) Liquid	Sampled: 10/1	4/06 12:10	Received	l: 10/14/06	16:07				
Copper Zinc	40 220	2.0 2.0	μg/L "	1	B6J2324 "	10/23/06 "	10/24/06 10/24/06	EPA 200.8 "	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals (Dissolved) by EPA 200 Series Methods

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Sierra Analytical Labs, Inc.											
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
S-B05-5-10-14-06 (0610335-20) Liquid	Sampled: 10/14	/06 12:20	Receive	d: 10/14/06	16:07						
Copper Zinc	71 200	2.0 2.0	μg/L "	1	B6J2324 "	10/23/06	10/24/06	EPA 200.8			
S-B07-6-10-14-06 (0610335-22) Liquid	Sampled: 10/14	/06 02:27	Receive	Received: 10/14/06 16:07							
Copper Zinc	39 1200	2.0 2.0	μg/L "	· 1 "	B6J2324 "	10/23/06	10/24/06 "	EPA 200.8			
S-B08-9-10-14-06 (0610335-23) Liquid	Sampled: 10/14	/06 05:00	Receive	d: 10/14/06	16:07						
Copper Zinc	210 190	2.0 2.0	μg/L "	1 "	B6J2324 "	10/23/06	10/24/06 10/24/06	EPA 200.8 "			
S-B03-10-10-14-06 (0610335-24) Liquid	Sampled: 10/1	4/06 05:30	Receiv	ed: 10/14/0	6 16:07						
Copper Zinc	1700 670	5.0 10	μg/L "	1 "	B6J2324 "	10/23/06	10/25/06 10/25/06	EPA 200.8 "			
S-B06-11-10-14-06 (0610335-25) Liquid	Sampled: 10/1	4/06 05:15	Receiv	ed: 10/14/0	6 16:07						
Copper Zinc	460 130	5.0 10	μg/L "	1	B6J2324 "	10/23/06	10/25/06 "	EPA 200.8	hul <u> </u>		
S-B06-12-10-14-06 (0610335-26) Liquid	Sampled: 10/1	4/06 12:35	Receiv	ed: 10/14/0	6 16:07						
Copper Zinc	30 81	5.0 10	μg/L "	1	B6J2324 "	10/23/06	10/25/06	EPA 200.8 "			
S-B12-13-10-14-06 (0610335-28) Liquid	Sampled: 10/1	4/06 12:13	Receiv	ed: 10/14/0	6 16:07						
Copper Zinc	19 60	2.0 2.0	μg/L "	1	B6J2325 "	10/23/06	10/25/06	EPA 200.8 "			



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Total Petroleum Hydrocarbons (TPH) by GC/FID

		Sierra A	nalytical	Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-10-14-06 (0610335-01) Liquid	Sampled: 10/	/14/06 05:35	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	ND	1.0	mg/L	20	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		%	60-1	75	"	"	"	11	S-03
Jet-A	ND	1.0	11	n	11	11	"	n	D-42
Surrogate: o-Terphenyl		%	60-1	75	"	"	"	"	S-03
Oil Range Organics (C22-C36)	6.4	1.0	"	п	17	11	н	11	
Surrogate: o-Terphenyl		%	60-1	75	"	"	. <i>n</i>	"	S-03
C-B03-2-10-14-06 (0610335-02) Liquid	Sampled: 10/	/14/06 05:15	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	5.3	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		138 %	60-1	75	"	n	"	"	
Jet-A	ND	0.050	н	11	н	11	"	11	D-42
Surrogate: o-Terphenyl		138 %	60-1	75	"	n	"	11	
Oil Range Organics (C22-C36)	2.4	0.050	17	n	н	н	18	"	D-41
Surrogate: o-Terphenyl		139 %	60-1	75	"	"	"	"	a ne Manak
C-B05-3-10-14-06 (0610335-03) Liquid	Sampled: 10/	/14/06 03:25	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		134 %	60-1	75	"	"	"	"	
Jet-A	ND	0.050	11	н	*	11	"	"	D-42
Surrogate: o-Terphenyl		134 %	60-1	75	"	"	"	"	
Oil Range Organics (C22-C36)	0.80	0.050	n	и	v	v	H	"	
Surrogate: o-Terphenyl		134 %	60-1	75	"	"	"	17	
C-B05-4-10-14-06 (0610335-04) Liquid	Sampled: 10/	14/06 05:50	<b>Received:</b>	10/14/06	16:07				
Diesel Range Organics (C10-C24)	ND	1.0	mg/L	20	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		%	60-1	75	"	"	"	"	S-03
Jet-A	ND	1.0	11	η	11	**		"	D-42
Surrogate: o-Terphenyl		%	60-1	75	"	"	"	"	S-03
Oil Range Organics (C22-C36)	6.0	1.0	11	11	11	*	n	11	

Surrogate: o-Terphenyl

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MACTEC Engineering & Consulting
9177 Sky Park Court Suite A
San Diego CA, 92123

Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Total Petroleum Hydrocarbons (TPH) by GC/FID

		Sierra An	alytical	Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-10-14-06 (0610335-05) Liquid	Sampled: 10	/14/06 05:40	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/19/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		115 %	60-12	75	"	"	"	"	
Jet-A	ND	0.050	11	н	11	n	"	n	D-42
Surrogate: o-Terphenyl		115 %	60-12	75	"	"	11	"	
Oil Range Organics (C22-C36)	1.1	0.050	"	Ħ	u	11	"	"	
Surrogate: o-Terphenyl		115 %	60-12	75	11	"	"	"	
C-B09-10-10-14-06 (0610335-06) Liquid	Sampled: 1	0/14/06 03:15	Received	: 10/14/0	6 16:07				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		116 %	60-12	75	"	"	"	"	
Jet-A	ND	0.050	11	"	11	n	19	11	D-42
Surrogate: o-Terphenyl		116 %	60-12	75	"	"	"	"	
Oil Range Organics (C22-C36)	1.3	0.050	11	n	· n	tt	n	"	
Surrogate: o-Terphenyl		116 %	60-12	75	"	"	"	"	
C-B07-6-10-14-06 (0610335-07) Liquid	Sampled: 10	/14/06 02:35	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	ND	0.25	mg/L	5	B6J2032	10/19/06	10/20/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		204 %	60-11	75	"	"	"	17	S-07
Jet-A	ND	0.25	11	"	11	"	"	"	D-42
Surrogate: o-Terphenyl		204 %	60-12	75	"	"	"	"	S-07
Oil Range Organics (C22-C36)	6.1	0.25	n	"	*	11	"	11	
Surrogate: o-Terphenyl		204 %	60-12	75	"	"	"	"	S-07
C-B07-7-10-14-06 (0610335-08) Liquid	Sampled: 10	/14/06 06:15	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	3.6	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		104 %	60-12	75	"	"	"	"	
Jet-A	ND	0.050	17	н	11	11	h	n	D-42
Surrogate: o-Terphenyl		104 %	60-1	75	"	"	"	"	
Oil Range Organics (C22-C36)	2.3	0.050	"	v	11	н	H	11	D-41
Surrogate: o-Terphenyl		104 %	60-1	75	"	"	"	11	



Oil Range Organics (C22-C36)

Surrogate: o-Terphenyl

Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Total Petroleum Hydrocarbons (TPH) by GC/FID

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-14/C-B08-8-10-14-06 (0610335-0	9) Liquid San	pled: 10/14	/06 12:25	Received	: 10/14/06	16:07			
Diesel Range Organics (C10-C24)	2.6	0.050	mg/L	1	B6J2032	10/19/06	10/20/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		115 %	60-1	75	"	"	"	"	
Jet-A	ND	0.050	IJ	"	н	п	17	11	D-42
Surrogate: o-Terphenyl		115 %	60-1	75	"	"	"	"	
Oil Range Organics (C22-C36)	1.7	0.050	n	13	"	н	11	n	D-41
Surrogate: o-Terphenyl		115 %	60-1	75	"	"	"	"	
C-B12-9-10-14-06 (0610335-11) Liquid	Sampled: 10/1	4/06 03:00	Received:	10/14/06	16:07				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6J2032	10/19/06	10/19/06	EPA 8015B	D-42
Surrogate: o-Terphenyl		140 %	60-1	75	"	"	"	"	
Jet-A	ND	0.050	n	11	'n	"	11	n	D-42
Surrogate: o-Terphenyl		140 %	60-1	75	"	"	"	"	

60-175

"

2.3

0.050

140 %



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

### Sierra Analytical Labs, Inc.

			•	,						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6J2612 - General Preparatio	n.									
Blank (B6J2612-BLK1)				Prepared &	& Analyze	ed: 10/14/	06			
Ammonia as N	ND	0.100	mg/L							
Biochemical Oxygen Demand	ND	2.00	"							
Chemical Oxygen Demand	ND	0.100	n							
Methylene Blue Active Substances	ND	0.0500	н							
Dil & Grease	ND	1.00	11							
Total Suspended Solids	ND	1.00	11							
Calibration Check (B6J2612-CCV1)				Prepared &	& Analyze	ed: 10/14/	06			
Ammonia as N	0.450		mg/L	0.500		90.0	80-120	- A		
Biochemical Oxygen Demand	189		"	200		94.5	80-120			
Chemical Oxygen Demand	288		"	300		96.0	80-120			
Methylene Blue Active Substances	0.220		u	0.200		110	80-120			
Duplicate (B6J2612-DUP1)	Sou	ırce: 06103	35-01	Prepared	& Analyze	d: 10/14/	06			
Ammonia as N	1.06	0.100	mg/L	,	0.980	<del>70 () () () () () () () () () () () () () </del>		7.84	15	
Biochemical Oxygen Demand	266	2.00	н		280			5.13	30	
Chemical Oxygen Demand	728	0.100	11		719			1.24	15	
Methylene Blue Active Substances	0.270	0.0500	11		0.300			10.5	15	
Dil & Grease	4.50	1.00	11		4.20			6.90	15	
н	5.10	0.100	pH Units		5.00			1.98	15	
Specific Conductance (EC)	826	0.100	µmhos/cm		818			0.973	15	
Total Suspended Solids	259	1.00	mg/L		264			1.91	15	
Duplicate (B6J2612-DUP2)	Sou	ırce: 06103	35-12	Prepared &	& Analyze	d: 10/14/	06			
Aramonia as N	0.130	0.100	mg/L		0.120			8.00	15	
Biochemical Oxygen Demand	50.0	2.00	"		47.0			6.19	30	
Chemical Oxygen Demand	108	0.100	n		122			12.2	15	
Active Substances	ND	0.0500	n		ND				15	
Dil & Grease	3.10	1.00	н		3.30			6.25	15	
H	5.90	0.100	pH Units		5.20			12.6	15	
Specific Conductance (EC)	90.4	0.100	- μmhos/cm		89.9			0.555	15	
Fotal Suspended Solids	60.0	1.00	mg/L		57.0			5.13	15	



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals by EPA 200 Series Methods - Quality Control

### Sierra Analytical Labs, Inc.

			-							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6J1950 - EPA 200 Series										
Blank (B6J1950-BLK1)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	ND	50	μg/L							
Copper	ND	2.0	11							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	μg/L							
Zinc	ND	2.0	11						•	
Blank (B6J1950-BLK2)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	ND	50	μg/L						- ////	
Copper	ND	2.0	n							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	μg/L							
Zinc	ND	2.0	11							
LCS (B6J1950-BS1)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	92.8	50	μg/L	100		92.8	85-115			
Copper	105	2.0	п	100		105	85-115			
Iron	1.02	0.050	mg/L	1.00		102	85-115			
Lead	111	2.0	μg/L	100		111	85-115			
Zinc	92.1	2.0	n	100		92.1	85-115			
LCS (B6J1950-BS2)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	92.6	50	μg/L	100		92.6	85-115			
Copper	106	2.0	11	100		106	85-115			
Iron	1.03	0.050	mg/L	1.00		103	85-115			
Lead	114	2.0	μg/L	100		114	85-115			
Zinc	88.6	2.0	"	100		88.6	85-115			
Matrix Spike (B6J1950-MS1)	So	urce: 061033	5-01	Prepared:	10/19/06	Analyzed	1: 10/24/06			
Aluminum	3150	100	μg/L	100	3000	150	70-130			QM-02
Copper	2630	4.0	"	100	2500	130	70-130			
Iron	3.53	0.10	mg/L	1.00	2.5	103	70-130			
Lead	156	4.0	μg/L	100	56	100	70-130			
Zinc	2570	4.0	"	100	2400	170	70-130			QM-07



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals by EPA 200 Series Methods - Quality Control

Sierra Anal	ytical Labs	, Inc.
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Reporting         Spike         Source         %REC         RPD           Analyte         Result         Limit         Units         Level         Result         %REC         Limit         Notes											
			Reporting		Spike	Source		%REC		RPD	
	Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

### Batch B6J1950 - EPA 200 Series

Matrix Spike (B6J1950-MS2)	Sour	ce: 061033	5-02	Prepared:	: 10/19/06	Analyze	d: 10/24/06			
Aluminum	1710	100	μg/L	100	560	NR	70-130			QM-07
Copper	2160	4.0	11	100	1900	260	70-130			QM-07
lron	3.04	0.10	mg/L	1.00	0.57	247	70-130			QM-07
Lead	256	4.0	μg/L	100	110	146	70-130			QM-07
Zinc	1240	4.0	н	100	1100	140	70-130			QM-07
Matrix Spike Dup (B6J1950-MSD1)	Sour	Source: 0610335-01 Prepared: 10/19/06 Analyzed: 10/24/06								
Aluminum	3570	100	μg/L	100	3000	570	70-130	12.5	20	QM-07
Copper	2650	4.0	11	100	2500	150	70-130	0.758	20	QM-07
Iron	3.95	0.10	mg/L	1.00	2.5	145	70-130	11.2	20	QM-07
Lead	160	4.0	μg/L	100	56	104	70-130	2.53	20	
Zine	2600	4.0	"	100	2400	200	70-130	1.16	20	QM-07
Matrix Spike Dup (B6J1950-MSD2)	Sour	ce: 061033	5-02	Prepared:	10/19/06	Analyze	d: 10/24/06			
Aluminum	2370	100	μg/L	100	560	NR	70-130	32.4	20	QM-07
Copper	2100	4.0	"	100	1900	200	70-130	2.82	20	QM-07
Iron	3.78	0.10	mg/L	1.00	0.57	321	70-130	21.7	20	QM-07
Lead	276	4.0	μg/L	100	110	166	70-130	7.52	20	QM-07
Zine	1230	20	"	100	1100	130	70-130	0.810	20	

### Batch B6J1951 - EPA 200 Series

Blank (B6J1951-BLK1)				Prepared: 10/19/06 Analyzed: 10/24/06
Aluminum	ND	50	μg/L	
Copper	ND	2.0	n	
Iron	ND	0.050	mg/L	
Lead	ND	2.0	μg/L	
Zinc	ND	2.0	"	



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MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123		Project Nu	mber: [n	an Diego A lone] manda Arch	-				<b>Report</b> 01/04/07	
	Metals by	EPA 200 S		-	•	ontrol				
••••••••••••••••••••••••••••••••••••••		Sierra Ai	alytica	ai Lads, i	nc.					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6J1951 - EPA 200 Series										
Blank (B6J1951-BLK2)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	ND	50	μg/L			<b>*</b>		· · · · ·		
Copper	ND	2.0	12							
Iron	ND	0.050	mg/L							
Lead	ND	2.0	μg/L							
Zinc	ND	2.0	"							
LCS (B6J1951-BS1)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	94.2	50	μg/L	100		94.2	85-115		······	······································
Copper	104	2.0	n	100		104	85-115			
Iron	1.02	0.050	mg/L	1.00		102	85-115			
Lead	106	2.0	μg/L	100		106	85-115			
Zinc	88.9	2.0	11	100		88.9	85-115			
LCS (B6J1951-BS2)				Prepared:	10/19/06	Analyzed	l: 10/24/06			
Aluminum	86.7	50	μg/L	100		86.7	85-115			
Copper	105	2.0	n	100		105	85-115			
Iron	0.998	0.050	mg/L	1.00		99.8	85-115		•	
Lead	108	2.0	μg/L	100		108	85-115			
Zinc	87.1	2.0	н	100		87.1	85-115			
Matrix Spike (B6J1951-MS1)	So	urce: 061033	5-12	Prepared:	10/19/06	Analyzed	1: 10/24/06			
Aluminum	256	50	μg/L	100	300	NR	70-130			QM-07
Copper	163	2.0		100	54	109	70-130			
Iron	1.19	0.050	mg/L	1.00	0.20	99.0	70-130			
Lead	117	2.0	μg/L	100	19	98.0	70-130			
Zinc	422	2.0	11	100	330	92.0	70-130			
Matrix Spike (B6J1951-MS2)	So	urce: 061033	5-28	Prepared:	10/19/06	Analyzed	1: 10/24/06			
Aluminum	169	50	μg/L	100	62	107	70-130		1000 and an	
Copper	137	2.0	11	100	27	110	70-130			
Iron	1.14	0.050	mg/L	1.00	0.11	103	70-130			
Lead	121	2.0	μg/L	100	22	99.0	70-130			
Zinc	159	2.0	и	100	60	99.0	70-130			



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Metals by EPA 200 Series Methods - Quality Control

### Sierra Analytical Labs, Inc.

					****					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

### Batch B6J1951 - EPA 200 Series

Matrix Spike Dup (B6J1951-MSD1)	Sou	rce: 061033	5-12	Prepared:	10/19/06	Analyzed	i: 10/24/06	i		
Aluminum	239	50	μg/L	100	300	NR	70-130	6.87	20	QM-01
Copper	161	2.0	п	100	54	107	70-130	1.23	20	
Iron	1.16	0.050	mg/L	1.00	0.20	96.0	70-130	2.55	20	
Lead	116	2.0	μg/L	100	19	97.0	70-130	0.858	20	
Zinc	415	2.0	Ħ	100	330	85.0	70-130	1.67	20	
Matrix Spike Dup (B6J1951-MSD2)	Sour	rce: 061033	5-28	Prepared:	10/19/06	Analyzed	1: 10/24/06	i i		
Aluminum	167	50	μg/L	100	62	105	70-130	1.19	20	
Copper	135	2.0	11	100	27	108	70-130	1.47	20	
Iron	1.14	0.050	mg/L	1.00	0.11	103	70-130	0.00	20	
Lead	118	2.0	μg/L	100	22	96.0	70-130	2.51	20	
Zinc	155	2.0	11	100	60	95.0	70-130	2.55	20	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

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

Sierra	Analytical	Labs,	Inc.
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B6J2324 - EPA 200 Series										
Blank (B6J2324-BLK1)				Prepared	: 10/23/06	Analyzed	: 10/24/06			
Copper	ND	2.0	μg/L							
Zinc	ND	2.0	"							
Blank (B6J2324-BLK2)				Prepared	: 10/23/06	Analyzed	: 10/24/06			
Copper	ND	2.0	μg/L							
Zinc	ND	2.0	"							
LCS (B6J2324-BS1)				Prepared	: 10/23/06	Analyzed	: 10/24/06			
Copper	107	2.0	μg/L	100		107	85-115			
Zinc	87.2	2.0	н	100		87.2	85-115			
LCS (B6J2324-BS2)				Prepared	: 10/23/06	Analyzed	: 10/24/06			
Copper	106	2.0	μg/L	100		106	85-115			
Zinc	94.6	2.0	11	100		94.6	85-115			
Matrix Spike (B6J2324-MS1)	Sou	rce: 061033	5-01	Prepared	10/23/06	Analyzed	: 10/24/06			
Copper	2410	4.0	μg/L	100	2400	10.0	70-130			QM-07
Zinc	2290	4.0	"	100	2400	NR	70-130			QM-07
Matrix Spike (B6J2324-MS2)	Sou	rce: 061033	5-12	Prepared	10/23/06	Analyzed	: 10/24/06			
Copper	157	2.0	μg/L	100	46	111	70-130			
Zinc	365	2.0	"	100	260	105	70-130			
Matrix Spike Dup (B6J2324-MSD1)	Sou	rce: 061033	5-01	Prepared:	10/23/06	Analyzed	: 10/24/06			
Copper	2450	4.0	μg/L	100	2400	50.0	70-130	1.65	20	QM-07
Zinc	2390	4.0	n	100	2400	NR	70-130	4.27	20	QM-07
Matrix Spike Dup (B6J2324-MSD2)	Sou	rce: 061033	5-12	Prepared	10/23/06	Analyzed	: 10/24/06			
Copper	162	2.0	μg/L	100	46	116	70-130	3.13	20	
Zinc	388	2.0	н	100	260	128	70-130	6.11	20	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

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

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6J2325 - EPA 200 Series										
Blank (B6J2325-BLK1)				Prepared:	10/23/06	Analyzed:	10/25/06			
Copper	ND	2.0	μg/L							
Zinc	ND	2.0	"							
LCS (B6J2325-BS1)				Prepared:	10/23/06	Analyzed:	10/25/06			
Copper	101	2.0	μg/L	100		101	85-115			
Zinc	90.0	2.0	"	100		90.0	85-115			
Matrix Spike (B6J2325-MS1)	Sou	rce: 061033	5-28	Prepared:	10/23/06	Analyzed:	10/25/06			
Copper	119	2.0	μg/L	100	19	100	70-130			
Zine	158	2.0	н	100	60	98.0	70-130			
Matrix Spike Dup (B6J2325-MSD1)	Sou	rce: 061033	5-28	Prepared:	10/23/06	Analyzed:	10/25/06			
Copper	122	2.0	μg/L	100	19	103	70-130	2.49	20	
Zinc	163	2.0	n	100	60	103	70-130	3.12	20	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/04/07 13:40

### Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6J2032 - EPA 3510C Sep Fu	nnel									

Blank (B6J2032-BLK1)	Prepared & An	alyzed: 10/19/	06						
Diesel Range Organics (C10-C24)	ND	0.050	mg/L						
Jet-A	ND	0.050	"						
Oil Range Organics (C22-C36)	ND	0.050	H						
Surrogate: o-Terphenyl	0.110		"	0.100	110	60-175			
Surrogate: o-Terphenyl	0.110		"	0.100	110	60-175			
Surrogate: o-Terphenyl	0.110		"	0.100	110	60-175			
LCS (B6J2032-BS1)				Prepared & An	alyzed: 10/19/	06			
Diesel Range Organics (C10-C24)	0.458	0.050	mg/L	0.500	91.6	80-120			
Diesel Range Organics (C10-C24)	0.458	0.050	"	0.500	91.6	80-120			
Diesel Range Organics (C10-C24)	0.458	0.050	"	0.500	91.6	80-120			
LCS (B6J2032-BS2)				Prepared & An	alyzed: 10/19/	06			
Diesel Range Organics (C10-C24)	0.566	0.050	mg/L	0.500	113	80-120			
Diesel Range Organics (C10-C24)	0.566	0.050	10	0.500	113	80-120			
Diesel Range Organics (C10-C24)	0.566	0.050	*	0.500	113	80-120			
LCS Dup (B6J2032-BSD1)				Prepared & An	alyzed: 10/19/	06			
Diesel Range Organics (C10-C24)	0.415	0.050	mg/L	0.500	83.0	80-120	9.85	30	
Diesel Range Organics (C10-C24)	0.415	0.050		0.500	83.0	80-120	9.85	30	
Diesel Range Organics (C10-C24)	0.415	0.050	11	0.500	83.0	80-120	9.85	30	



		San Diego Airport							
9177 Sky	9177 Sky Park Court Suite A Project N		[none]	Reported:					
San Dieg	go CA, 92123	Project Manager:	Amanda Archenhold	01/04/07 13:40					
		Notes and De	finitions						
D-40	Sample appears to be a mixture of fue	l hydrocarbons. Diesel Ra	nge Organics (C10-C24) reported.						
D-41	Sample appears to be a mixture of fuel hydrocarbons. Oil Range Hydrocarbons (C22-C36) reported.								
D-42	Sample non-detect (ND) for requested fuel type. Other hydrocarbons may be present.								
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.								
S-03	Surrogate diluted out.								
S-07	Surrogate recovery outside of control	limits due to coelution with	th high levels of petroleum hydrocarb	ons.					
DET	Analyte DETECTED								
ND	Analyte NOT DETECTED at or above the repo	orting limit							
NR	Not Reported								
dry	Sample results reported on a dry weight basis								
RPD	Relative Percent Difference								

# PARTICLE SIZE SUMMARY (METHODOLOGY: ASTM D4464M)

PROJECT NAME: PROJECT NO:

N/A 0610335

(1) based on Mean from Trask

PTS La	boratories					Particle Size	e Analysis - A	STM D4464M
Client: Project: Project No:		Sierra Analytica N/A 0610335	al Labs, Inc.			PTS File No: Sample ID: Matrix:		36876 0610335-26 Aqueous
1.0 0.9 0.8 0.7 0.6 0.6 0.5 0.4 0.4 0.3 0.2 0.1 0.1 0.1					+++++++++++++++++++++++++++++++++++++++	TRATION FOR		100 90 80 70 60 60 50 Innulative % 30 20 10 10
2000.00	1512.00 1143.00 863.90 653.00 493.60	373.10 282.10 213.20 161.20		12.02 12.02 12.02 12.13 12.18		4.24 3.21 2.42 1.83	1.39 1.05 0.79 0.60	
Particle	Particle Distribut	tion	Particle	Particle Distribut	tion	Particle	Particle Distribu	tion
Diameter, micron	Incremental percent	Cumulative percent	Diameter, micron	Incremental percent	Cumulative percent	Diameter, micron	Incremental percent	Cumulative percent
2000.00	0.00	0.0	52.63	0.00	0.0	1.385	0.000	0.0
1822.00 1660.00	0.00 0.00	0.0 0.0	47.93 43.66	0.00 0.00	0.0 0.0	1.261 1.149	0.000 0.000	0.0 0.0
1512.00	0.00	0.0	39.77	0.00	0.0	1.047	0.000	0.0
1377.00	0.00	0.0	36.24	0.00	0.0	0.953	0.000	0.0
1255.00	0.00	0.0	33.00	0.00	0.0	0.869	0.000	0.0
1143.00 1041.00	0.00 0.00	0.0 0.0	30.07 27.38	0.00 0.00	0.0 0.0	0.791 0.721	0.000 0.000	0.0 0.0
948.20	0.00	0.0	24.95	0.00	0.0	0.657	0.000	0.0
863.90	0.00	0.0	22.73	0.00	0.0	0.598	0.000	0.0
786.90	0.00	0.0	20.70	0.00	0.0	0.545	0.000	0.0
716.90	0.00	0.0	18.86	0.00	0.0	0.496	0.000	0.0
653.00 594.90	0.00 0.00	0.0 0.0	17.18 15.65	0.00 0.00	0.0 0.0	0.452 0.412	0.000 0.000	0.0 0.0
541.90	0.00	0.0	14.26	0.00	0.0	0.375	0.000	0.0
493.60	0.00	0.0	12.99	0.00	0.0	TOTALS:	0.00	0.0
449.70 409.60	0.00 0.00	0.0 0.0	11.83 10.78	0.00 0.00	0.0	N. B.	Treat	1
373.10	0.00	0.0	9.82	0.00	0.0	Measure Median, mm	Trask N/A	Inman N/A
339.80	0.00	0.0	8.94	0.00	0.0	Median, micron	N/A	N/A
309.60	0.00	0.0	8.15	0.00	0.0	Mean, mm	N/A	N/A
282.10 256.80	0.00 0.00	0.0 0.0	7.42 6.76	0.00 0.00	0.0 0.0	Mean, micron Sorting	N/A N/A	N/A N/A
234.10	0.00	0.0	6.16	0.00	0.0	Skewness	N/A	N/A
213.20	0.00	0.0	5.61	0.00	0.0	Kurtosis	N/A	N/A
194.20 176.80	0.00 0.00	0.0 0.0	5.11 4.66	0.00 0.00	0.0 0.0		4h	
161.20	0.00	0.0	4.00	0.00	0.0	Distribution	tive Percent grea Partic	
146.80	0.00	0.0	3.86	0.00	0.0	percent	Micron	Millimeters
133.70	0.00	0.0	3.52	0.00	0.0	0	N/A	N/A
121.80 111.00	0.00 0.00	0.0 0.0	3.21 2.92	0.00 0.00	0.0 0.0	0	N/A N/A	N/A N/A
101.10	0.00	0.0	2.66	0.00	0.0	0	N/A N/A	N/A N/A
92.09	0.00	0.0	2.42	0.00	0.0	0	N/A	N/A
83.90	0.00	0.0	2.21	0.00	0.0	0	N/A	N/A
76.43 69.62	0.00 0.00	0.0 0.0	2.01 1.83	0.00 0.00	0.0 0.0	0	N/A	N/A
63.41	0.00	0.0	1.83	0.00	0.0	0	N/A N/A	N/A N/A
57.77	0.00	0.0	1.52	0.00	0.0	0	N/A	N/A

Clicat.	Siorra Analytical   ahe Inc			14201 FRANKLIN AVENUE • T (714) 730-6239 • FAX (714	14201 FRANKLIN AVENUE • TUSTIN, CALIFORNIA 92780-7008 (714) 730-6239 • FAX (714) 730-6462 • www.truesdail.com
	26052 Merit Circle, Suite #105 Laguna Hills, CA 92653		REPORT	Laboratory No: Report Date: Sampling Date:	959903 October 25, 2006 October 14, 2006
Attention: Sample: Project Name: Method : Investigation:	<b>Tracy Collins</b> Liquid/15 Samples Sierra Project #0610335 <b>EPA 8015B</b> Glycols			Receiving Date: Analysis Date: Units: Dilution Factor: Reported By:	October 18, 2006 October 25, 2006 mg/L MK
		Analytic	Analytical Results		Page 1 of 1
Sample ID	Sample Description	Ethylene Glycol	Propylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
706263-MB	Method Blank	ND	ND	84.2	84.2%
959903-1	0610335-01	ND	ΟN	102	102%
959903-2	0610335-02	DN	ND	101	101%
959903-3	0610335-03	ΟN	DN	103	103%
959903-4	0610335-04	DN	QN	98.7	98.7%
959903-5	0610335-05	DN	QN	100	100%
959903-6	0610335-07	QN	QN	97.6	97.6%
959903-7	0610335-08	QN	ŊŊ	99.6	99.6%
959903-8	0610335-10	DN	QN	96.9	96.9%
959903-9	0610335-11	QN	QN	98.6	98.6%
959903-10	0610335-13	QN	QN	98.1	98.1%
959903-11	0610335-15	QN	QN	. 98.8	98.8%
959903-12	0610335-17	QN	Q	105	105%
959903-13	0610335-19	QN	Q	97.3	97.3%
959903-15	0610335-27		QN	101	101%
959903-16	0610335-29	UN 22		99.1 Summado Cana = 100	ADD - 50 2000/
Practical Quantitation	on Limits	09	00	Surrogate Colic: = 100	%007-00-VJA
Sample KLS		00	27		
ND: Not detected RL: Reporting lin	ND: Not detected,or below limit of detection. RL: Reporting limit, or least amount of analyte quantifiable based	able based on average		1 mil	0
sample size used and analytic APR: Allowable Percent Recovery	sample size used and analytical technique employed : Allowable Percent Recovery	yed.	Analyt	Kossina Yornova, Project Manager Analytical Services/Truesdail Laboratories, Inc.	ager ttories, Inc.

TRUESDAIL LABORATORIES, INC. INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES	LABORATORIES, ORENSIC SCIENCE, AND ENVIRONMEN	<b>VIRONMENTAL ANALYSES</b>					Established 1931	31
						14201 FRANKL (714) 730-62	IN AVENUE · TUSTIN, 39 · FAX (714) 730-	14201 FRANKLIN AVENUE - TUSTIN, CALIFORNIA 92780-7008 (714) 730-6239 - FAX (714) 730-6462 - www.truesdail.com
Client:	Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite #1 Laguna Hills, CA 92653	Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite #105 Laguna Hills, CA 92653		REPORT		QA/QC Batch No: Laboratory No:		706263 559903 0.44 ber 55 2006
Attention: Sample: Project Name: Method Number: Investigation:	<b>Tracy Collins</b> Liquid/15 Samples Sierra Project #0610335 <b>EPA 8015B</b> Glycols	ales 0610335				Keport Date: Sampling Date: Receiving Date: Analysis Date: Units: Reported By:		October 14, 2006 October 14, 2006 October 18, 2006 October 25, 2006 MK
		Quality Control		Assurance C	/Quality Assurance Calibration Checks Report	s Report		
	MRCVS	3			MRCCS			
Parameter	Spiked	Recovered	Percent	Flag	Concentration	Recovered Concentration	Percent Difference	Flag
	Concentration			DACC	500	461	7.80%	PASS
Ethylene Glycol Propvlene Glycol	500	407	18.6%	PASS	500	620	24.0%	PASS
		Quality	r Control/Qua	lity Assuranc	Quality Control/Quality Assurance Spikes Report			
	Snike	Recovered	red	Percent Recovery	very RPD		<u>×</u>	Accuracy
Parameter	Conc.	Concentration	ation	(%)	(%)	Flag	Con	Control Limits
		LCS	LCSD	LCS	LCSD		RPD	% Recovery
Ethylene Glycol	500	444	465	88.9%	93.0% 4.56%		20	70-130
Propylene Glycol	500	585	593	117%	119% 1.27%	6 PASS	20	70-130
	-							
MRCVS: Mid Range + MRCCS: Mid Range (	MRCVS: Mid Range Calibration Vertication Standard MRCCS: Mid Range Calibration Check Standard (second source)	standard idard (second source)			8.211			
LCS: Laboratory Control Spike	trol Spike							
LCSD: Laboratory Cc	LCSD: Laboratory Control Spike Duplicate					Rossina Tomova, Project Manager	ect Manager	
RPD: Relative Percent Difference Flag: "Pass" if within Control Limit	RPD: Relative Percent Difference Flag: "Pass" if within Control Limits; otherwise "Fail"	se "Fail"			Analytic	Analytical Services, Truesda	ruesdail Laboratories Inc.	ŭ
						doutor a locito	. As a mutual mote	otion to clients the nublic
This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition or apparently identical or similar products. As a marked processor is consistent of the value of the condition of the condition that it is not to be used, in whole or in part, in any advertising or and these laboratories this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or	sample, or samples,	investigated and is not d accepted for the excl	necessarily indicati usive use of the clie	ve of the quality or control of the vector o	essed and upon the cont	lition that it is not to be a	used, in whole of in	part, in any advertising or

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This report applies only to the sample, or samples, investigated and is not necessar and these laboratories, this report is submitted and accepted for the exclusive use publicity matter without prior written authorization from these laboratories.

Page: of <u>6</u>	335		Geotracker EDD Info:		Client LOGCODE			Site Global ID	Field Point Names / Comments										· · · · ·	Sample Disposal:	Return to Client	Lab Disposal *	Archive mas.	Other					s. Vettow - Laboratory Copy. Purk - Field Pernounci Copy
Date: 10 114 , 06	Lab Work Order No.: OLO 335	Requested																		Total Number of Containers Submitted to		The delivery of sumples 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		Conditional Conflict Temps (2)	D Preservatives -: Vertified By	l ohe- Singetoann <u>LIDS</u>	DISTRIBUTION : While - To Accompany Sampl
Date	Lab	ses		<i>(</i>																al Number o	Laboratory	nature on this cl ses specified abo	d upon in writin ardous by SIERI	otal Number	Laboratory	ē.		<u> </u>	
		Analy					·····		) H9T pH, TSS, SC M, Elinomine, MI				X				X	×		Tot	Lab	and the sign the analys	rwise agree	To		LABORATORY USE ONLY Sample Reco		🗶 Property Liberari 🗶 Appropriate Sample Container	
0				···· ···	(Đ	8O) (	əse	gre	oil and			×				×						of samples to perform	niess othe determine			EORY USE	Scals	l Abellet iate Sampl	
ORI									ethyle		×				×				×			delivery o	ditions, ur Samples e			POR LABORA		🔟 roperi i ikellet	
REC	,		S. '97	I,uO,IA)to A8M .sin	o) (OS)	Conce,	108.(	) Sitised	Rb, 281, Hq	×				×								The	* Co		<b></b>	<u>R</u>		<u>r</u> r	
ODYF			ORT		74 Hour		5 Day		No. of Containers	2	2	~	-	2	2	-		1	2			10/41/0/	4107	- Date:	Time:	Date:	Tine:		
F CUST			SAN DIEGO AIRPORT		Immediate		4 Day	Normal	Container Type	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	5 GALL GLASS	40ml VOA										
CHAIN OF CUSTODY RECORD		Client Project ID:	SAN DIE					Ō	Preservative	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE			Sand	- <i>D</i> .						
C	12653	Client				Time Requested:			Matrix	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER		STORMWATER			Ser Ser	Jerra						
	Hills, CA • 9	·							Time	0535	0535 8				0515 s	0515 <sup>s</sup>	0515 S	10-14-06 03:25 STORMWATER	03:25 s	Shipped Via:	(Carrior/Waybill No.)	Raceived IS	Company	Rocaived By:	Company:	Received By:	Company:		
Ţ	<b>5 • L</b> aguna							e dle	Date	10-11-01							Ā	10-11-01	10-11-02			10-14-00 F	Time 4.07				Time		
LYTICA 9389	9115 e • Suite 10		COURT	32123		00	00	Schold	Sierra No.	ō	-		ð	0 <del>4</del>	J		*	3	*		1	22							
SIERRA ANALYTICAL TEL: 949•348•9389	FAX: 949 • 348 • 9115 26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653	MACTEC	ress: 9177 SKY PARK COURT	SAN DIEGO, CA 92123		No.: (858) 278-3600	No.: (858) 278-5300	.Mgr.: Nathan	Client Sample ID.	20-11-06	C-B01-1-10-14-06	C-B01-1-10-14-06	C-B01-1- 10-14-06	C-B03-2-10-11-06	90-71-0	20-21-1	C-B03-2-10-14-06	90-11-0	2-14-06		ر ۲	and 1. B.	ille.					ž	
~	1	Client:	Client Address:			Client Tel. No.;	Client Fax. No.:	Client Proj. Mgr.:	G	C-B01-1- 10-14-	C-B01-1- 16	C-B01-1- 16	C-B01-1- אי	C-B03-2- /∢	C-B03-2- 10-16	C-B03-2-10-14	C-B03-2- /c	C-B05-3-10-14-06	C-B05-3- 10-14-06	Sampler Signature:	Printed Name:	2 Retinquished By	Company Care	Redinquished By:	Contrativ:	4 Relingnished By:	Compute:	Special Instructions.	Rev: 021104

Page: 2 of 6	1335	Г	Geotracker EDD Info:		Client LOGCODE			Site Global ID	Field Point Names / Comments											Sample Disposal:	Return to Client	Lab Disposal *	Archive mas.					
Date: 10 11 / 10 6	Lab Work Order No.: Ob LO335	Analyses Requested																		uber of Containers Submitted to	Laboratory	The delivery of sumples 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	Ty	aja Consilitata. XV civilieti - Tami c'O VI O	🔰 🚺 Preservativez - Verticol Ely	
		Analyses						~~~~~	PH, TSS, SC,									×		Total Nun	Laborator	d the signature o te analyses speel	ise agreed upon i o be hazardous b	Total Nu	Laboratory	NIX - Semple Ro	4	
			(lio						bns lio ) H9T			×	×			×	×		1			samples and	ess otherwi stermined to			al AlokAlokyise ofi Milad	ŝ	X Provinsianal
ORD									ethylen		×				×				×			lelivery of prization to	ltions, unl iamples de				Sample Seals	M Instantial
EC			S '9 <u>:</u>	 7(AJ,Cu,J ABM ,sin	.(SC) to ammor	' COD'	, BOD	O pilipei (nS,uO)	q2 ,227 ,Hq sib ,(n2,d9	×				×							<b></b>	10	SI					XI )
ODY R			ORT			24 riour 72 Hour			No. of Containers	2	2	~	<b>7</b>	2	2	-	<b>7</b>	~	2			10/4/01	4107	Date:	Time:	Date:	Time:	
CHAIN OF CUSTODY RECORD			SAN DIEGO AIRPORT	•					Container Type	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	5 GALL GLASS	40ml VOA									
IAIN O		Client Project ID:	SAN DIE			Time Requested:			Preservative	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE		NONE	<b>,</b>		Sand	- for	a.				
5	92653	Clien				Time Re			Matrix	STORMWATER	STORMWATER	STORMWATER		STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER NONE	STORMWIER			L'A	16070					
	Hills, CA •							ler	Time	0550	0550		CSSD STORMWATER	0240		0540				Shipped Via:	(Carrier/Wavhill No.)	Derrind	Cumpany	Received By:	Company:	Received By:	Company:	
T	15 • Laguna	-						cheed	Date	10-11-01							7	90-1/1-01				90-11-01	Tim 4.07 Company	Date:	Time:	Date:	Time:	
XTIC∕ 89	15 Suite 10		URT	123				М	Sierra No.	ho	-		~>	ŝ			l.	90				V						
SIERRA ANALYTICAL TEL: 949 • 348 • 9389	FAX: 949 • 348 • 9115 26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653	MACTEC	9177 SKY PARK COURT	SAN DIEGO, CA 92123		(858) 278-3600			Client Sample ID,	30-11	-11-oc	14-06	14-06	4-06	4-06	70-21	90-11	14-06				Whi Kin	100					
		Client:	Client Address:			Client Tel. No.:	Client Fax. No.:	Client Proj. Mgr.:	Client	C-B05-4-10-14-06	C-B05-4- 10 -	C-B05-4- 10-14	C-B05-4-10-14-06	C-B06-5-10-14-06	C-B06-5- 10 -14-	C-B06-5- 10-	C-B06-5- 10-14-06	C-B09-10- 10-14-06	C-B00-40	Sampler Signature:		E BIN	Company:	3 Relimanished By:	Auxu	4 Relinquished By:	ipmy:	Special Instructions:

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Page: 2 of 6	0010335		Geotracker EDD Info:		Client LOGCODE			Site Global ID	Field Point Names / Comments											Sample Disposal:	Return to Client	Lab Disposal *	Archive mos.	Other					ples, Yellow - Laboratory Copy, Fack - Field Pernovel Copy
Date: 10 / 14 / 0C	Lab Work Order No.: 00	Analyses Requested																		Total Number of Containers Submitted to		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		Conditions Statical Tomp (C) 4/10	🔲 Presevalives - Verlinet EV	🗖 otta X semericonton <u>A10</u>	DISTRIBUTION : While - To Accompany Sem
		nalyses <b>F</b>	cob,	,008 (nS (Isseib,lio	i,uO)eeib notom,leu	Pb, Zn). Het l	.е., Ге. АТ, О.8	(A) 0, 248	p.H.52, SC M, ,einomme									×		Fotal Numb	Laboratory	e signature on ti aalyses specified	greed upon in v hazardous by S	Total Num	Laboratory	- Sataple Recelp		g	
		×			n ,ləa	əib	ʻlər	uî te	) HdT				×				×				<u></u>	nples and the erform the as	otherwise a mined to be			A USO 350 A		elied Sample Cons	
ORD			<u></u> .	· · · ·	(58				ethyle		×	×			×	×			×			iclivery of sar rization to po	itions, unless amples deter			ABORA FORY USE ONL Indu	Sample Scale	🗹 Property Laiteded	
RECO			,e∃ ≳.	l,uJ,IA)tot ABM ,sino	e, (SC)	D, CO	ibno O8 .(r	añioeqi S,uO)s	S ,SST ,Hq sib ,(nS,d9	×				×								The d				<u>8</u> 3	٥	ন্থ্ৰ স্থ্ৰ	
I YOO			DRT		24 Hour	72 Hour	5 Day	Mobile	No. of Containers	2	2	1	-	~	2	-	<b>.</b>	ł	2			1 - 1 14/	5	Date:	lime:	Date:	Time:		
CHAIN OF CUSTODY RECORD			SAN DIEGO AIRPORT				<b>1</b> 4 Day	Normal	Container Type	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	5 GALL GLASS	40ml VOA	-									
HAIN O		Client Project ID:	SAN DIE		Tum Around	Time Requested:		٥	Preservative	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE			Con La							
U	• 92653	Cit			m <sub>L</sub>	Time			Matrix	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER		7	Jun ,	s'erre						
	na Hills, CA							7	Time	¢ 02:35	02:35	02:35	02:35	0615	0615	e 6 15	0615	12:25	03:20	Shipyxed Vás:	(Currica/Wayhill No.)	Received By	Company:	Roceived By:	Company:	Received By:	("cempeny:		
F	5 • Lagu							مالمعه	Date	10-11-01												10-14-00	To Hamit	Date:	Time:	Liato:	Time:		
LYTICA 9389 0115	e • Suite 10		COURT	2123		00	00	SC	Sterra No	C			\$	90	-		4	60	10										
SIERRA ANALYTICAL TEL: 949 • 348 • 9389 EAX: 040 • 348 • 015	26052 Merit Circle • Suite 105 • Laguna Hills, CA • 9265	t: MACTEC	Client Address: 9177 SKY PARK COURT	SAN DIEGO, CA 92123		Client Tel. No.: (858) 278-3600	Client Fax. No.: (858) 278-5300	Client Proj. Mgr.: No flav	Client Sample ID.	C-B07-6- 10-1 4-06	C-B07-6- 10-14-06	C-B07-6- 10-14-06	C-B07-6- 10 - 14 - 6 6	C-B07-7- 10 -14-06	90-11-01 -2-	C-B07-7-10-14-06	C-B07-7-10-14-0E	S-B08-14/C-B08-8- 10-14-05	S-B08-14/C-B08-8-10-14-06			meille how	Mac On					tructions:	
		Client:	Clier		 	Clier	Clier	Cliet		C-B07	C-B07	C-B07	C-B07	C-B07	C-B07-7-	C-B07	C-B07	S-B08	S-B08	Sampler Signature	Printed Name:	2 Relinquished	Company:	Relinquisticed by	Contrative	Redmonished Ity	Connent	Special Instructions:	Rev: 021104

Page: 4 of 6		Geotracker EDD Info:		Client LOGCODE		Site Global ID	Field Point Names / Comments					composite together with S-B08-2 and analyze as 1 sample		composite together with S-B08-1 and analyze as 1 sample		composite together with S-B11-4 and analyze as 1 sample		Sample Disposal:	Return to Client	Lab Disposal *	Archive mos.	Other				
Date: <u>10 / 1(6) 0 6</u> Lab Work Order No.:	Analyses Reguested																	Total Number of Containers Submitted to	<i>b</i>	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	ły	Apt Conditions	📕 rttschalves - Verffest By	and the state of t
	Analyses	30D.	l (nZ,uD)	)ssib .(n	Z'9d'a	1,uO,IA)tot	PH, TSS, SC, COD, O&G					×		×		×		Total Num	Laboratory	he signature o analyses specif	agreed upon i c hazardous b	Total Nu	Laboratory	V - Sample Ree		in the second
	1		o totor				) bns lio TPH (je			×	X									samples and the sector of the	ess otherwise termined to h			K LABORATORY USE ONLY I INACI	als:	abelled is Sample Con
CORD		s	A8M ,sin	omme ,(			Ph, TSS, Spe Pb,Zn), diss(( ethylen		×				×		×		×			he delivery of uthorization to	onditions, uni - Samples de				📕 Sample Seek	<ul> <li>Property Labolica</li> <li>Appropriate Sample Constitue</li> </ul>
Y REC							of	2	2	1			2				2			\$C/2	010			s •	Ţ	
TOD		PORT		24 Hour	<b>7</b> 2 Hour	D 5 Day			<b>}</b>			SS		ss	4	SS				19/	₽.ª	l Jate:	Tune:	Date:	Time:	
F CUS		GO AIF				Day Day	Container Type	PLASTIC	40ml VOA	CLR GLASS	AMBER GLASS	5 GALL GLASS	40ml VOA	5 GALL GLASS	40ml VOA	5 GALL GLASS	40ml VOA								-	
CHAIN OF CUSTODY RECORD	Client Project ID:	SAN DIEGO AIRPORT		0		ŌŌ	Preservative	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE			and a						
СН∕	Client Pr	ŝ	•	Turn Around	Time Requested:		rix Pre	WATER N												Lan	erre					
. 92653							Matr	STORM	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER	STORMWATER		. ('e	a har	Ŵ					
Hills, CA						لور	Time	03:00	03:00	03:00	03:00	1205	0230	1215	0238	1200	02.50	Shipped Visc	(Carrier/Waybill No.)	Received	Company:	Received By:	Company:	Received By:	Company:	
Laguna						aboar	Date	90-11-01									$\rightarrow$			10-14-01	To The T		 Б			
TICAL inter 105		RT				125	Sierca No.	11-10					3	μ	Ś	16	<b>(</b>			2 Date	Tim	Date	Tin	Date	Tim	
NALY 48 • 9389 48 • 9115 Circle • S		ARK COUF	CA 92123		3-3600	3-5300											10-14-06			z						
SIERRA ANALYTICAL TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115 26652 Merit Circle • Suite 105 • Laguna Hills, CA • 92653	MACTEC	9177 SKY PARK COURT	SAN DIEGO, CA 92123		(858) 278-3600	(858) 278-5300 V + + +	e ID.	202	90	901	ەك ە	ga	90	<i>9</i> 0	C				2	2. Ku						
SIE TEL FAX 2605	2						Client Sample ID.	0-16-	ったこ	-15-1	-1/1-0	~ かーつ	- 11-1	ーサート	0-11-	مصار	1-609-1			W. K.	L'	-				:s
	Client:	Client Address:			Client Tel. No.:	Client Fax. No.: Client Proi. Mgr.:	Ē	C-B12-9- 10-14	C-B12-9-10-14-06	C-B12-9-10-14	C-B12-9- 10-14,0C	S-B08-1- 10-14-06	S-B08-1-10-14-06	S-B08-2- 10-14-05	3-B08-2- 10 -14-0C	S-B09-3- 💪	S-B09-3/C-809-10-	nnpler.Signature:	Name:	ished Py:	# thus	uished By:	ж:	d clinguished By:	Company:	lal instruction
- -			I I	1				Ц Ч Ч	ц С	ц Ч С	ц С	S-B	S-B	S-E	S H H	S-B	S L L L	Sumpler	Printed Name	Ketinqui	առնու, չ	Relingu	Compan	Relingui	Compan	Spec

	Ł	SIERRA ANALYTICAL TEL: 949 • 348 • 9389	LYTICA 389	T	•		CH	AIN O	F CUST	CHAIN OF CUSTODY RECORD	ECO	ß			Date: [ 0	Date: 10 11/2/06		Page: S of 6	
	1	FAX: 949 • 348 • 9115 26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92	115 • Suite 10:	5 • Lagun	ia Hills, C	A • 92653									Lab Work Order No.:		0610335	V	١
	Client:	MACTEC					Client P	Client Project ID:			,   			Analyses	Requested	-			
	<b>Client Address:</b>	9177 SKY PARK COURT	DURT				0,	SAN DIE	SAN DIEGO AIRPORT	ORT	,Fe, Z							Geotracker EDD Info:	
		SAN DIEGO, CA 92123	123								tot(A),Cu AM, sinc	,							
							Turn Around			24 Hour	(SC) , (SC) , (	(ອຈ	n ,ləa					Client LOGCODE	1
	Client Tel. No.:	(858) 278-3600	0			2	Time Requested:		48 Hour				səib						
	Client Fax, No.:	(858) 278-5300	0					٥	4 Day	J 5 Day			'lər						1
	Client Proj. Mgr.:	Notes :	- sa	baa	كمعل				Normal	Mobile			ət fu	<u>.</u>				Site Global ID	
	Client S	Client Sample ID.	Sierra No.	Date	Time	Matrix		Preservative	Container Type	No. of Containers	J S ,227 .Hq seib ,(nZ,d9	ethyle oil and	() H9T	е, тая, а сор, оке Тоtal 8				Field Point Names / Comments	
	S-B11-4- (0-11-06	40-t	Ŷ	10-11-01	01 01 0	STORMWATER	l	NONE	5 GALL GLASS	-				×				composite together with S-B09-3 and analyze as 1 sample	e
	S-B11-4-10-14-06	1-06				STORMWATER		NONE	40ml VOA	2		×							T
	S-B05-5-10-14-06	4-06	ðð		1220	<b>S</b> TORMWATER		NONE	5 GALL GLASS			-		×					T
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\$	0		Ŕ		L2:20	STORMWATER		NONE	PLASTIC					×					
	S B12 7					STORMWATER		NONE	PLASTIC	+	1	<u> </u>		×					1
	S-B08-8					STORMMATER		NONE	PLASTIC					×					
		30-71-01	Å		0200	STORMWATER		NONE	PLASTIC					×					
	S-B03-10- 10-14-06	90-71	9¥		0530	STORMWATER		NONE	PLASTIC	1				×					1
	S-B06-11- 10-	10-14-06	\$	$\rightarrow$	0 515	STORMWATER		NONE	PLASTIC	-				×					ſ
	Sampler Signature:				Shipped Via:						<u>,</u>			otal Nur	ther of Conta	Total Number of Containers Submitted to		Sample Disposal:	
	Printed Name:	/ «			(Carrier/Wayhill,Nn.)	Nn.)		-					<u>~</u>	Laboratory				Return to Client	
	1 Relinquished by Col	1-Low	16	10-11-00		report	2 Ser	Bure		10/14/06		/ery of samp ation to perf	des and the orm the an	signature o ilyses speci	this chain of cus ied above under S	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		Lab Disposal *	
	Company: Company	r lee		Time Y S Y		5	Jerra			4101 Time	Conditio * - Sarr	ns, unless o ples determ	therwise ag ined to be h	rced upon azardous b	s writing between SIERRA will be	Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. * - Samples determined to be hazardous by SIERRA will be returned to CLIENT.		Archive mos.	
	Relinquished By:			Date:	Received By:					Date:				Total Nı	mber of Cont	Total Number of Containers Received by		Other	
	Company:			Time	Company:					Time:				Laboratory	Ŋ				
	4 Relinquished By:			Date:	Received By:	e.				i Date:		FOR LABORATORY	A INO 361	Sample Ro	<b>X</b>	tions. Chilict - Temp (° C)	<i>a</i> ~h		
	Company:			Time:	Company:					Time:		📕 Sample Scals			C Preserv	T Preservitive - Verticul By			
	Special Instructions:	•			•						X	A many isolat	8		Other				Г. Т.
										-	<b>N</b>	🔏 Apjanpiste Sumple Consinte	uple Conia	52	Storge Location		405		

Page: 6 of 6	335	·	Geotracker EDD Info:			Client LOGCODE			Site Global ID	Field Point Names / Comments								Sample Disposal:	Return to Client	Lab Disposal *	Archive mox.	Other					a. Yellour - Laboratory Copy, Park - Field Permonel Copy
Date: 10 / 16/06		Requested																 Total Number of Containers Submitted to		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		$\vec{\mathbf{x}}^{\text{Conditions.}}$	Trearsive-Vairiet By		🛃 Storage bourdion 🔏 😢
Ω		Analyses R			· · · ·		·····			p.H. TSS, S COD, O&G O&G, SC, p1 Zn), 8OD, C	×		×			 	 	 otal Numbe	aboratory	signature on th alyses specified	reed upon in w azardous by SI	Total Numl	Laboratory	Sample Receipt			ţ.
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ORD	× .						lo	lycc	6 ອເ	eţµλleı		×	*	×			 			delivery of sar torization to pe	ditions, unless Samples deter			POLLABORATOR	C Sample Seak	X Provedy Lebelled	Appropriate Sample Commune
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YOD'			ORT			24 Hour	72 Hour	5 Day		No. of Containers	~	2	1	, 2	·					19/14	450-	l Jate:	Time:	Date:	Time:		
F CUST			SAN DIEGO AIRPORT			Inmediate	<b>4</b> 8 Hour	<b>1</b> 4 Day		Container Type	5 GALL GLASS	40ml VOA	5 GALL GLASS	40ml VOA													
CHAIN OF CUSTODY RECORD		<b>Client Project ID:</b>	SAN DIE				Time Requested:		٥	Preservative	NONE	NONE	NONE	NONE						Long	1						
Ð	92653	Clien				Tum Around	Time R		 	Matrix	STORMWATER	STORMWATER	STORMWATER	STORMWATER					-	2 mg	5 verno	2					
	Hills, CA •								مر	Time	12.35	0306						Shipped Via:	(Carrier/Wayhill No.)	Roceived By:	V.	Roccirced By:	('omvanv:	Roceired By:	Company:		
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YTICAI	59 15 Suite 105		JRT	23					Set	Sierra No.	30 10	<del>G</del>	96	Ł						0	Tîn	Date:	Time	Date:	.Time:		×.
SIERRA ANALYTICAL	1 E.L.: 949 • 348 • 9389 FAX: 949 • 348 • 9115 26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653	MACTEC	ress: 9177 SKY PARK COURT	SAN DIEGO, CA 92123			No.: (858) 278-3600	No.: (858) 278-5300	Mgr.: Natrow	Client Sample ID.	S-B06-12- 10 - 14 - 06	S-B06-12-10-14-06	S-B12-13-10-14-06	S-B12-13-10-14-06	-					cold bar	Marter					181	
4		Client:	Client Address:			· .	Client Tel. No.:	Client Fax. No.:	Client Proj. Mgr.:	Ū	S-B06-12-	S-B06-12- /	S-B12-13-1	S-B12-13-				Sampler Signature:	Printed Name:	2 Relinquished By:	(.ompany:	Relinquished By:	('estimative	4 Relinquisted hy:	Conspany:	Special Instructions:	Ret: 021104



MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123	Project: San Diego Project Number: [none] Project Manager: Amanda An	-		<b>Reported:</b> 01/18/07 10:07
	ANALYTICAL REPORT FOR SAMI	PLES		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1-12-17-06	0612343-01	Liquid	12/17/06 11:20	12/17/06 15:30
C-B03-2-12-17-06	0612343-02	Liquid	12/17/06 11:35	12/17/06 15:30
C-B05-3-12-16-06	0612343-03	Liquid	12/16/06 20:45	12/17/06 15:30
C-B05-4-12-16-06	0612343-04	Liquid	12/16/06 20:25	12/17/06 15:30
C-B06-5-12-17-06	0612343-05	Liquid	12/17/06 12:10	12/17/06 15:30
C-B07-6-12-16-06	0612343-06	Liquid	12/16/06 20:15	12/17/06 15:30
C-B07-7-12-17-06	0612343-07	Liquid	12/17/06 12:30	12/17/06 15:30
S-B08-14/C-B08-8-12-17-06	0612343-08	Liquid	12/17/06 08:36	12/17/06 15:30
S-B08-14/C-B08-8-12-17-06	0612343-09	Liquid	12/18/06 00:00	12/17/06 15:30
C-B12-9-12-16-06	0612343-10	Liquid	12/16/06 19:50	12/17/06 15:30
C-B09-10-12-16-06	0612343-11	Liquid	12/16/06 19:15	12/17/06 15:30
S-B08-1-12-17-06	0612343-13	Liquid	12/17/06 07:58	12/17/06 15:30
S-B08-2-12-17-06	0612343-15	Liquid	12/17/06 09:50	12/17/06 15:30
S-B11-4-12-17-06	0612343-18	Liquid	12/17/06 07:42	12/17/06 15:30
S-B05-5-12-17-06	0612343-19	Liquid	12/17/06 08:24	12/17/06 15:30
S-B07-6-12-16-06	0612343-20	Liquid	12/16/06 18:45	12/17/06 15:30
S-B08-8-12-16-06	0612343-21	Liquid	12/16/06 20:05	12/17/06 15:30
S-B08-9-12-17-06	0612343-22	Liquid	12/17/06 12:00	12/17/06 15:30
S-B03-10-12-17-06	0612343-23	Liquid	12/17/06 11:30	12/17/06 15:30
S-B06-11-12-17-06	0612343-24	Liquid	12/17/06 11:50	12/17/06 15:30
S-B06-12-12-17-06	0612343-25	Liquid	12/17/06 09:10	12/17/06 15:30
S-B06-12-12-17-06	0612343-26	Liquid	12/17/06 07:10	12/17/06 15:30
S-B12-13-12-17-06	0612343-27	Liquid	12/17/06 08:51	12/17/06 15:30
S-B12-13-12-17-06	0612343-28	Liquid	12/17/06 07:51	12/17/06 15:30
C-B12-9-12-16-06-DUP	0612343-29	Liquid	12/16/06 19:50	12/17/06 15:30
C-B05-4-12-16-06-BL	0612343-30	Liquid	12/16/06 20:35	12/17/06 15:30
S-B06-12-12-17-06-DUP	0612343-31	Liquid	12/17/06 09:10	12/17/06 15:30
S-B11-4-12-17-06-BL	0612343-32	Liquid	12/17/06 09:42	12/17/06 15:30
S-B08-1/S-B08-2 Composite	0612343-33	Liquid	12/17/06 09:58	12/17/06 15:30
S-B09-3/S-B11-4 Composite	0612343-34	Liquid	12/17/06 09:42	12/17/06 15:30

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.

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

### **CASE NARRATIVE**

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



#### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## **Conventional Chemistry Parameters by APHA/EPA Methods**

		Sierra A	nalytical	Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	Sampled: 12/1	7/06 11:20	Received:	12/17/06	15:30				
Ammonia as N	0.830	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	43.0	2.00	"	n	19	11	12/22/06	EPA 405.1	
Chemical Oxygen Demand	129	0.100	11	n	n	11	12/17/06	EPA 410.4	
Specific Conductance (EC)	184	0.100	µmhos/cm	n	H	"	19	EPA 120.1	
Methylene Blue Active Substances	0.180	0.0500	mg/L	n	11	"	"	EPA 425.1	
Oil & Grease	2.20	1.00		n	п	"	11	EPA 413.1	
pH	5.40	0.100	pH Units	"	*	W	H	EPA 150.1	
Total Suspended Solids	23.0	1.00	mg/L	11	"	11	"	EPA 160.2	
C-B03-2-12-17-06 (0612343-02) Liquid	Sampled: 12/1	7/06 11:35	Received:	12/17/06	15:30				
Ammonia as N	0.370	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	32.0	2.00	"	11	97	и	12/22/06	EPA 405.1	
Chemical Oxygen Demand	87.0	0.100	11	11	n	н	12/17/06	EPA 410.4	
Specific Conductance (EC)	117	0.100	µmhos/cm			н	*	EPA 120.1	
Methylene Blue Active Substances	0.200	0.0500	mg/L	11	11	n	11	EPA 425.1	
Oil & Grease	2.50	1.00	11	11	11	n	11	EPA 413.1	
рН	5.60	0.100	pH Units	17	11	n	*	EPA 150.1	
Total Suspended Solids	25.0	1.00	mg/L	п		n	"	EPA 160.2	
C-B05-3-12-16-06 (0612343-03) Liquid	Sampled: 12/3	16/06 20:45	Received:	12/17/06	15:30				
Ammonia as N	0.180	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	25.8	2.00	"	"	n	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	47.0	0.100	**	11	n	11	12/17/06	EPA 410.4	
Specific Conductance (EC)	101	0.100	µmhos/cm		"	"	"	EPA 120.1	
Methylene Blue Active Substances	0.120	0.0500	mg/L	**	"	11	"	EPA 425.1	
Oil & Grease	2.00	1.00	"	"	"	"	"	EPA 413.1	
pH	7.00	0.100	pH Units	11	11	н	11	EPA 150.1	
Total Suspended Solids	30.0	1.00	mg/L	"	"	и	11	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# **Conventional Chemistry Parameters by APHA/EPA Methods**

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		Sierra A	nalytical	Labs, I	nc.				
Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B05-4-12-16-06 (0612343-04) Liquid	Sampled: 12/	16/06 20:25	Received:	12/17/06	15:30				
Ammonia as N	0.960	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	71.0	2.00	н	11		"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	163	0.100	n	19	u	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	69.3	0.100	µmhos/cm	11	"	"	"	EPA 120.1	
Methylene Blue Active Substances	0.160	0.0500	mg/L			"	11	EPA 425.1	
Oil & Grease	4.60	1.00	n	12	W	"		EPA 413.1	
pH	5.60	0.100	pH Units	и	11	"	11	EPA 150.1	
Total Suspended Solids	54.0	1.00	mg/L	"	"	"	17	EPA 160.2	
C-B06-5-12-17-06 (0612343-05) Liquid	Sampled: 12/	17/06 12:10	Received:	12/17/06	15:30				
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	66.0	2.00	11	*		H	12/22/06	EPA 405.1	
Chemical Oxygen Demand	120	0.100	11	"	"	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	247	0.100	µmhos/cm	"	"	"	"	EPA 120.1	
Methylene Blue Active Substances	0.220	0.0500	mg/L	n	n	"	"	EPA 425.1	
Oil & Grease	5.10	1.00		"	"	"	W	EPA 413.1	
pH	5.30	0.100	pH Units	"	"		"	EPA 150.1	
Total Suspended Solids	58.0	1.00	mg/L		"	"		EPA 160.2	
C-B07-6-12-16-06 (0612343-06) Liquid	Sampled: 12/	16/06 20:15	Received:	12/17/06	15:30				
Ammonia as N	0.240	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	47.0	2.00	-	"	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	121	0.100	11	"	"	н	12/17/06	EPA 410.4	
Specific Conductance (EC)	119	0.100	µmhos/cm	н	н	n		EPA 120.1	
Methylene Blue Active Substances	0.110	0.0500	mg/L		"	н	"	EPA 425.1	
Oil & Grease	3.80	1.00			n	"		EPA 413.1	
pH	6.40	0.100	pH Units	н	n	п	"	EPA 150.1	
Total Suspended Solids	32.0	1.00	mg/L	"		"	"	EPA 160.2	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## **Conventional Chemistry Parameters by APHA/EPA Methods**

Sierra	Analytical	Labs, Inc.	,
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
-						Tiepareu	Analyzeu	Method	100
C-B07-7-12-17-06 (0612343-07) Liquid	Sampled: 12/1	7/06 12:30	Received:	: 12/17/06	15:30				
Ammonia as N	0.260	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	65.0	2.00	21	н	11	11	12/22/06	EPA 405.1	
Chemical Oxygen Demand	182	0.100	"	н	11	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	272	0.100	µmhos/cm	н	12	"	11	EPA 120.1	
Methylene Blue Active Substances	0.170	0.0500	mg/L	н		"	n	EPA 425.1	
Oil & Grease	2.30	1.00	н	19			n	EPA 413.1	
pH	5.90	0.100	pH Units	. 19			. 11	EPA 150.1	
Total Suspended Solids	46.0	1.00	mg/L	19	11	"	11	EPA 160.2	
S-B08-14/C-B08-8-12-17-06 (0612343-0)	8) Liquid – Sem	nled: 12/17	/06 08.36	Received	· 12/17/06	15.30			
Ammonia as N	0.120	0.100		1	B7A0555	12/17/06	12/17/06	Ch ( 4500 h 1172	A
Biochemical Oxygen Demand	18.0	2.00	mg/L	1	B/A0555 "	12/17/00		SM 4500-NH3	
Chemical Oxygen Demand	47.0	0.100	n	19	11	n	12/22/06 12/17/06	EPA 405.1	
Specific Conductance (EC)	47.0 182	0.100		11		"	12/1//06	EPA 410.4	
Methylene Blue Active Substances	0.0900	0.0500	1					EPA 120.1	
Oil & Grease	0.0900 ND	1.00	mg/L	W	"	11	11	EPA 425.1	
	7.20	0.100	pH Units	"		"	n	EPA 413.1	
pH Fotol Sugranded Solida	12.0	1.00	*	17		'n		EPA 150.1	
Total Suspended Solids	12.0	1.00	mg/L					EPA 160.2	
C-B12-9-12-16-06 (0612343-10) Liquid	Sampled: 12/1	6/06 19:50	Received:	12/17/06	15:30				
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	148	2.00	н	11	"	"	12/22/06	EPA 405.1	
Chemical Oxygen Demand	389	0.100	и	11	11	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	10400	0.100	µmhos/cm	11		"	11	EPA 120.1	
Methylene Blue Active Substances	0.100	0.0500	mg/L	11	. 11	11	, H	EPA 425.1	
Oil & Grease	1.40	1.00	"	v	"	n	n	EPA 413.1	
pH	6.70	0.100	pH Units		**	н	n	EPA 150.1	
			-						



#### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## **Conventional Chemistry Parameters by APHA/EPA Methods**

### Sierra Analytical Labs, Inc.

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B09-10-12-16-06 (0612343-11) Liquid	Sampled: 12	2/16/06 19:15	Received	l: 12/17/0	6 15:30				
Ammonia as N	0.140	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
<b>Biochemical Oxygen Demand</b>	35.0	2.00	"	11	17	н	12/22/06	EPA 405.1	
Chemical Oxygen Demand	101	0.100	"	11	и	н	12/17/06	EPA 410.4	
Specific Conductance (EC)	364	0.100	µmhos/cm	11	"	n	**	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L	"	17	n	**	EPA 425.1	
Oil & Grease	2.00	1.00			"	11		EPA 413.1	
рН	7.00	0.100	pH Units	<b>81</b>	"	н	W	EPA 150.1	
Total Suspended Solids	27.0	1.00	mg/L	"	"	11	11	EPA 160.2	
S-B06-12-12-17-06 (0612343-25) Liquid	Sampled: 12	/17/06 09:10	Received	: 12/17/0	6 15:30				
Biochemical Oxygen Demand	13.4	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	29.0	0.100	11	11	11	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	107	0.100	µmhos/cm	n	"	11	н	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	tt	"	"	н	EPA 413.1	
pH	7.00	0.100	pH Units	n	"	"	н	EPA 150.1	
Total Suspended Solids	6.00	1.00	mg/L	н	"	"	n	EPA 160.2	
S-B12-13-12-17-06 (0612343-27) Liquid	Sampled: 12	/17/06 08:51	Received	: 12/17/0	6 15:30				
Biochemical Oxygen Demand	10.4	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	30.0	0.100		н	11	"	12/17/06	EPA 410.4	
Specific Conductance (EC)	194	0.100	µmhos/cm	n	Ħ	"	"	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	н	н		11	EPA 413.1	
pH	7.20	0.100	pH Units	11	n	n	11	EPA 150.1	
Total Suspended Solids	6.00	1.00	mg/L	17	н	n	11	EPA 160.2	



#### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## **Conventional Chemistry Parameters by APHA/EPA Methods**

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06-DUP (0612343-29) L	iquid Sampled	: 12/16/06 1	19:50 Rec	eived: 12	/17/06 15:3	•			
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	
Biochemical Oxygen Demand	159	2.00		н	"	н	12/22/06	EPA 405.1	
Chemical Oxygen Demand	393	0.100	n	14	11	н	12/17/06	EPA 410.4	
Specific Conductance (EC)	9940	0.100	µmhos/cm	"	"	в	N	EPA 120.1	
Methylene Blue Active Substances	0.0900	0.0500	mg/L		11	11	n	EPA 425.1	
Oil & Grease	1.50	1.00	12	11	"	н	**	EPA 413.1	
pH	6.80	0.100	pH Units	19	**	H.	н	EPA 150.1	
Total Suspended Solids	108	1.00	mg/L	11	"	11	"	EPA 160.2	
C-B05-4-12-16-06-BL (0612343-30) Liq	uid Sampled:	12/16/06 20	:35 Recei	ved: 12/1	7/06 15:30				
Ammonia as N	ND	0.100	mg/L	1	B7A0555	12/17/06	12/17/06	SM 4500-NH3	••••
Biochemical Oxygen Demand	ND	2.00	11	17	**	11	12/22/06	EPA 405.1	
Chemical Oxygen Demand	5.00	0.100	"		**	11	12/17/06	EPA 410.4	
Specific Conductance (EC)	19.6	0.100	µmhos/cm		11	19	H	EPA 120.1	
Methylene Blue Active Substances	ND	0.0500	mg/L		"	11		EPA 425.1	
Oil & Grease	ND	1.00	n		"	11	н	EPA 413.1	
pH	7.70	0.100	pH Units	"	"	12	н	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	"	11	11	"	EPA 160.2	
S-B06-12-12-17-06-DUP (0612343-31) I	iquid Sample	d: 12/17/06	09:10 Red	eived: 12	2/17/06 15:	30			
Biochemical Oxygen Demand	12.8	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	26.0	0.100	n	"	"	11	12/17/06	EPA 410.4	
Specific Conductance (EC)	107	0.100	µmhos/cm	"	п	18	n	EPA 120.1	
Oil & Grease	ND	1.00	mg/L	"	n	"	n	EPA 413.1	
pH	7.00	0.100	pH Units	· #	н	11	n	EPA 150.1	
Total Suspended Solids	5.00	1.00	- mg/L		N	11	n	EPA 160.2	



#### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## **Conventional Chemistry Parameters by APHA/EPA Methods**

Sierra	Ana	lytical	Labs,	Inc.
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B11-4-12-17-06-BL (0612343-32) Liquid	Sampled:	12/17/06 09:	42 Receiv	ved: 12/1	7/06 15:30				
Biochemical Oxygen Demand	ND	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	4.00	0.100	"	"	11	11	12/17/06	EPA 410.4	
Specific Conductance (EC)	1.67	0.100	µmhos/cm	"	11	**	"	EPA 120.1	
Oil & Grease	ND	1.00	mg/L		11	11	"	EPA 413.1	
pH	6.30	0.100	pH Units	11	н	11	"	EPA 150.1	
Total Suspended Solids	ND	1.00	mg/L	11	"	n	11	EPA 160.2	
S-B08-1/S-B08-2 Composite (0612343-33) L	iquid San	npled: 12/17	/06 09:58	Received	l: 12/17/06	15:30			
Biochemical Oxygen Demand	38.0	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	96.0	0.100		н	н	н	12/17/06	EPA 410.4	
Specific Conductance (EC)	145	0.100	µmhos/cm	11	11	н	19	EPA 120.1	
Oil & Grease	1.30	1.00	mg/L	N	11	"	11	EPA 413.1	
pH	5.50	0.100	pH Units	n	n	11		EPA 150.1	
Total Suspended Solids	26.0	1.00	mg/L	11	11	n	Ħ	EPA 160.2	
S-B09-3/S-B11-4 Composite (0612343-34) L	iquid San	npled: 12/17	/06 09:42	Received	1: 12/17/06	15:30			
Biochemical Oxygen Demand	43.0	2.00	mg/L	1	B7A0555	12/17/06	12/22/06	EPA 405.1	
Chemical Oxygen Demand	136	0.100	11	11	n	n	12/17/06	EPA 410.4	
Specific Conductance (EC)	160	0.100	µmhos/cm	11	**	п	11	EPA 120.1	
Oil & Grease	1.50	1.00	mg/L	н	at.	"	"	EPA 413.1	
рН	5.70	0.100	pH Units	н	"	"	11	EPA 150.1	
Total Suspended Solids	30.0	1.00	mg/L	п	11		11	EPA 160.2	



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# Metals by EPA 200 Series Methods

## Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	Sampled: 12/1	7/06 11:20	Received	l: 12/17/06	15:30		- · u- ų.		
Aluminum	1500	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	200	2.0	"	**	11	"	"	19	
lron	1.9	0.040	mg/L	н	н		п	11	
Lead	12	2.0	μg/L	н	"	"	н	**	
Zinc	250	2.0	**		v	n	11	"	
C-B03-2-12-17-06 (0612343-02) Liquid	Sampled: 12/1	7/06 11:35	Received	l: 12/17/06	15:30				
Aluminum	1500	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	310	2.0	n	.11	"	11	"	n	
Iron	2.1	0.040	mg/L	ч	н	"	11	19	
Lead	20	2.0	μg/L		н	"	11	° 11	
Zinc	220	2.0	11	u	"	"	n	11	
C-B05-3-12-16-06 (0612343-03) Liquid	Sampled: 12/1	6/06 20:45	Received	l: 12/17/06	15:30				
Aluminum	2000	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	19	2.0	N	n		v	"	"	
Iron	2.0	0.040	mg/L	н	"	11	"	U	
Lead	16	2.0	μg/L	11	н	W	11	н	
Zinc	140	2.0	н	"	n	Ħ	"	"	
C-B05-4-12-16-06 (0612343-04) Liquid	Sampled: 12/1	6/06 20:25	Received	l: 12/17/06	15:30				
Aluminum	990	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	150	2.0	11	n		н	н		
Iron	1.3	0.040	mg/L	н	n	н	11	"	
Lead	4.7	2.0	μg/L	"	"	н	н	"	
Zinc	74	2.0	"	11	11	11		H	



Iron

Lead

Zinc

MACTEC Engineering & Consulting										
9177 Sky Park Court Suite A		Project Ni	mber: [nc	one]	-			Reported:		
San Diego CA, 92123		Project Manager: Amanda Archenhold								
	Meta	als by El	PA 200 S	Series M	ethods					
	S	Sierra A	nalytica	l Labs, I	nc.					
		Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
C-B06-5-12-17-06 (0612343-05) Liquid	Sampled: 12/17	/06 12:10	Received	I: 12/17/06	15:30					
Aluminum	1500	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8		
Copper	300	2.0	"			11	11			

#### C-B07-6-12-16-06 (0612343-06) Liquid Sampled: 12/16/06 20:15 Received: 12/17/06 15:30

1.8

7.3

220

0.040

2.0

2.0

Aluminum	110	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8
Copper	100	2.0	"	11	"	11	"	"
Iron	1.8	0.040	mg/L	n	"	"	v	"
Lead	5.1	2.0	μg/L		W		"	"
Zinc	830	2.0		11	**	"	H.	

mg/L

μg/L

н

11

11

#### C-B07-7-12-17-06 (0612343-07) Liquid Sampled: 12/17/06 12:30 Received: 12/17/06 15:30

Aluminum	2000	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8
Copper	210	2.0	n	11	"		"	"
Iron	3.0	0.040	mg/L	11	"	"	"	
Lead	23	2.0	μg/L		"	"	11	"
Zinc	760	2.0	TI .	11	17	"	**	"

#### S-B08-14/C-B08-8-12-17-06 (0612343-08) Liquid Sampled: 12/17/06 08:36 Received: 12/17/06 15:30

Aluminum	ND	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	74	2.0	н	11	п	11	11	17	
Iron	ND	0.040	mg/L	91	п	11	"	"	
Lead	ND	2.0	μg/L	"	н	"	11	"	
Zinc	120	2.0	"	11	"	"	11	11	



MACTEC Engineering & Consulting

9177 Sky Park Court Suite A San Diego CA, 92123		<b>Reported:</b> 01/18/07 10:07							
	Mei	als by El		nanda Arch Series M				01/10/07 10	
		Sierra A							
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06 (0612343-10) Liquid	Sampled: 12/1	6/06 19:50	Received	I: 12/17/06	15:30	· · · · ·			
Aluminum	100	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	42	2.0	"	"	11	"	"	"	
Iron	0.26	0.040	mg/L	н	"	n	11	"	
Lead	ND	2.0	μg/L	н	"	57	n	*	
Zinc	160	2.0	0	11	"	"	11	н .	
C-B09-10-12-16-06 (0612343-11) Liquid	Sampled: 12/1	16/06 19:15	Receive	ed: 12/17/0	6 15:30				
Aluminum	950	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	100	2.0	"			n	11	n	
Iron	1.3	0.040	mg/L	**		19	W	"	
Lead	5.4	2.0	μg/L	**		19	81	11	
Zinc	240	2.0		"	19	11	**	11	
S-B05-5-12-17-06 (0612343-19) Liquid	Sampled: 12/17	//06 08:24	Received	: 12/17/06	15:30				
Copper	23	2.0	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	180	2.0	"	"	"	W	н	¥7	
S-B07-6-12-16-06 (0612343-20) Liquid	Sampled: 12/16	6/06 18:45	Received	: 12/17/06	15:30				
Copper	570	2.0	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	6500	2.0	"	17	n	"	"	"	
S-B08-8-12-16-06 (0612343-21) Liquid	Sampled: 12/16	6/06 20:05	Received	: 12/17/06	15:30				

Project: San Diego Airport

	<u>`</u>	-	<u> </u>								
Copper			590	2.0	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc			240	2.0		*		"	11	u	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# Metals by EPA 200 Series Methods

### Sierra Analytical Labs, Inc.

			•						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
S-B08-9-12-17-06 (0612343-22) Liquid	Sampled: 12/1	7/06 12:00	Received	: 12/17/06	15:30				
Copper	210	2.0	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	86	2.0	"	н	"	0	"	17	
S-B03-10-12-17-06 (0612343-23) Liquid	Sampled: 12/	17/06 11:30	Receive	d: 12/17/0	6 15:30				
Copper	500	2.0	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	130	2.0	"		11	11	n	и	
S-B06-11-12-17-06 (0612343-24) Liquid	Sampled: 12/	17/06 11:50	Receive	d: 12/17/0	6 15:30				
Copper	540	2.0	μg/Ĺ	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Zinc	160	2.0		"	11	n	11	"	
S-B06-12-12-17-06 (0612343-25) Liquid	Sampled: 12/	17/06 09:10	Receive	d: 12/17/0	6 15:30				
Aluminum	ND	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	13	2.0	, H	н	н	н		и	
Iron	ND	0.040	mg/L	11	11	n	"	н	
Lead	ND	2.0	μg/L	"	11	17	**	17	
Zinc	43	2.0	11	"		"	11	н	
S-B12-13-12-17-06 (0612343-27) Liquid	Sampled: 12/	17/06 08:51	Receive	d: 12/17/0	6 15:30				
Aluminum	82	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	35	2.0	11	*	**	"	**	19	
Iron	0.053	0.040	mg/L	*	W	11	"	19	
Lead	ND	2.0	μg/L	*	"	"	"	19	



MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123		Project Nu Project Mar	mber: [no nager: An	nanda Arch	nenhold			<b>Reported</b> 01/18/07 10	
	IVIE	tals by EF Sierra An							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B12-9-12-16-06-DUP (0612343-29) Liqui	d Sampled	l: 12/16/06 1	9:50 Re	ceived: 12	/17/06 15:3	0			· · · · · · · · · · · · · · · · · · ·
Aluminum	200	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8	
Copper	43	2.0	n	11	n	н	11	17	
Iron	0.51	0.040	mg/L	11	n	11	"		
Lead	5.9	2.0	μg/L	11	11	11	n	n	
Zinc	140	2.0	19	17	11	17	"	"	

### C-B05-4-12-16-06-BL (0612343-30) Liquid Sampled: 12/16/06 20:35 Received: 12/17/06 15:30

Aluminum	ND	50	μg/L	2	B6L2203	12/22/06	12/27/06	EPA 200.8
Copper	ND	2.0	11	"		11	н	11
Iron	ND	0.040	mg/L	**		17	н	"
Lead	ND	2.0	μg/L	"	"	11	n	11
Zinc	14	2.0	11	"	"	11		"

### S-B06-12-12-17-06-DUP (0612343-31) Liquid Sampled: 12/17/06 09:10 Received: 12/17/06 15:30

Aluminum	ND	50	μg/L	2	B6L2205	12/22/06	12/27/06	EPA 200.8
Copper	14	2.0	11	n	H	*	н	"
Iron	ND	0.040	mg/L	н		11	11	"
Lead	ND	2.0	μg/L	н	п	"	u	"
Zinc	41	2.0	n	0	н	"	11	"

## S-B11-4-12-17-06-BL (0612343-32) Liquid Sampled: 12/17/06 09:42 Received: 12/17/06 15:30

Aluminum	ND	50	μg/L	2	B6L2205	12/22/06	12/27/06	EPA 200.8	
Copper	ND	2.0	н	11	19	н	"	n	
Iron	ND	0.040	mg/L	17	18	н	11	n	
Lead	ND	2.0	μg/L		11	n	"	"	
Zinc	ND	2.0	11	11	18	u	11	н	



Zinc

MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123 Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Metals by EPA 200 Series Methods

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
S-B08-1/S-B08-2 Composite (0612343-	33) Liquid Samj	pled: 12/17/	06 09:58	Received	1: 12/17/06	15:30			
Aluminum	1700	50	μg/L	2	B6L2205	12/22/06	12/28/06	EPA 200.8	
Copper	54	2.0	11	н	'n		н	**	
Iron	2.4	0.040	mg/L	н	*	11	н		
Lead	15	2.0	μg/L	н	n	11	19	**	
Zinc	220	2.0	11	H	"		19	n	
S-B09-3/S-B11-4 Composite (0612343-	34) Liquid Samj	pled: 12/17/	06 09:42	Received	: 12/17/06	15:30			
Aluminum	1600	50	μg/L	2	B6L2205	12/22/06	12/27/06	EPA 200.8	
Copper	49	2.0	11	19	"		11	н	
Iron	2.5	0.040	mg/L	11	"	*	11	н	
Lead	19	2.0	μg/L	11	н		11	в	

.

2.0

250



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Metals (Dissolved) by EPA 200 Series Methods

Sierra	Analytical	Labs, Inc.	

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



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# Metals (Dissolved) by EPA 200 Series Methods

		Sierra Ai	nalytica	l Labs, l	nc.				
Analyte	Resu	Reporting It Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
S-B08-14/C-B08-8-12-17-06 (0612343-0	8) Liquid	Sampled: 12/17/	/06 08:36	Received	l: 12/17/06	15:30			
Copper	5	4 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	12	<b>D</b> 2.0	'n	17	"	"	"	н	
C-B12-9-12-16-06 (0612343-10) Liquid	Sampled:	12/16/06 19:50	Received	l: 12/17/06	5 15:30				
Copper	9.	2 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	15	<b>0</b> 2.0	**	U	11	н	n	52	
C-B09-10-12-16-06 (0612343-11) Liquid	Sampled	: 12/16/06 19:15	Receive	ed: 12/17/0	6 15:30				
Copper	8	<b>2</b> 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	18	<b>D</b> 2.0	n	"	*1	"	"	19	
S-B05-5-12-17-06 (0612343-19) Liquid	Sampled:	12/17/06 08:24	Received	: 12/17/06	15:30				
Copper	4.	4 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	6.	<b>D</b> 2.0	"	11	n	"	11	39	
S-B07-6-12-16-06 (0612343-20) Liquid	Sampled:	12/16/06 18:45	Received	: 12/17/06	15:30				
Copper	15	0 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	560	<b>D</b> 2.0	"	"	н	n		17	
S-B08-8-12-16-06 (0612343-21) Liquid	Sampled:	12/16/06 20:05	Received	: 12/17/06	15:30				
Copper	48	0 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	18	<b>0</b> 2.0	"	11	"	19	H	17	
S-B08-9-12-17-06 (0612343-22) Liquid	Sampled:	12/17/06 12:00	Received	: 12/17/06	15:30				
Copper	17	0 2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	7	2.0	n	11	н	**		11	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Metals (Dissolved) by EPA 200 Series Methods

Sierra	Analytical	Labs, Inc.

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B03-10-12-17-06 (0612343-23) Liquid	Sampled: 12/	17/06 11:30	Receive	d: 12/17/0	6 15:30				
Copper	420	2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	110	2.0	п	U.	11	11	n	n	
S-B06-11-12-17-06 (0612343-24) Liquid	Sampled: 12/	17/06 11:50	Receive	d: 12/17/0	6 15:30				
Copper	190	2.0	µg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	120	2.0	18		**	"	"	19	
S-B06-12-12-17-06 (0612343-25) Liquid	Sampled: 12/	17/06 09:10	Receive	d: 12/17/0	6 15:30				
Copper	8.0	2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	45	2.0		"	11	"	"	11	
S-B12-13-12-17-06 (0612343-27) Liquid	Sampled: 12/	17/06 08:51	Receive	d: 12/17/0	6 15:30				
Copper	27	2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	51	2.0	н	"	1)	n	n	"	
C-B12-9-12-16-06-DUP (0612343-29) Liq	uid Sampled	<b>i: 12/16/06 1</b>	9:50 Re	ceived: 12/	/17/06 15:3	50			
Copper	4.6	2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	
Zinc	110	2.0	"	*	**		11	п	
C-B05-4-12-16-06-BL (0612343-30) Liqu	id Sampled:	12/16/06 20:	35 Rece	eived: 12/1	7/06 15:30				
Copper	ND	2.0	μg/L	2	B6L2207	12/22/06	12/27/06	EPA 200.8	-
Zine	ND	2.0	"	"	, H		"	п	
S-B06-12-12-17-06-DUP (0612343-31) Li	quid Sample	d: 12/17/06 (	<b>)9:10</b> R	eceived: 12	2/17/06 15:	30			
Copper	· 11	2.0	μg/L	2	B6L2208	12/22/06	12/27/06	EPA 200.8	
Zinc	41	2.0	'n	н		"	*	н	



	Ietals (Dissolved) by EPA 200 Series Methodeleters Sierra Analytical Labs, Inc.	
San Diego CA, 92123	Project Manager: Amanda Archenhold	01/18/07 10:07
9177 Sky Park Court Suite A	Project Number: [none]	Reported:
MACTEC Engineering & Consulting	Project: San Diego Airport	

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-B08-1/S-B08-2 Composite (0	)612343-33) Liquid Sampl	ed: 12/17/	06 09:58	Received	I: 12/17/06	15:30			
Copper	22	2.0	μg/L	2	B6L2208	12/22/06	12/27/06	EPA 200.8	
Zinc	94	2.0	17	n	"	n	11	v	
S-B09-3/S-B11-4 Composite (0	)612343-34) Liquid Sampl	ed: 12/17/	06 09:42	Received	l: 12/17/06	15:30			
Copper	18	2.0	μg/L	2	B6L2208	12/22/06	12/27/06	EPA 200.8	
Zinc	100	2.0		н	н	и		11	



#### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# Total Petroleum Hydrocarbons (TPH) by GC/FID

		Sierra A	nalytica	l Labs, I	nc.				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1-12-17-06 (0612343-01) Liquid	Sampled: 12/	/17/06 11:20	Received	: 12/17/06	15:30				
Diesel Range Organics (C10-C24)	0.85	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		137 %	60-,	175	"	"	"	11	
Jet-A	ND	0.050	11	n	"	11	n	"	
Surrogate: o-Terphenyl		137 %	60	175	"	"	"	"	
Oil Range Organics (C22-C36)	0.89	0.050	17	n	"	**	н	"	D-41
Surrogate: o-Terphenyl		137 %	60	175	п.	"	"	"	
C-B03-2-12-17-06 (0612343-02) Liquid	Sampled: 12/	/17/06 11:35	Received	: 12/17/06	15:30				
Diesel Range Organics (C10-C24)	0.47	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		131 %	60	175	"	<b>n</b> :	"	"	
Jet-A	ND	0.050	в	"	*	11	"	"	
Surrogate: o-Terphenyl		131 %	60	175	n	"	"	"	
Oil Range Organics (C22-C36)	0.61	0.050	19	"	"	"	"	"	D-41
Surrogate: o-Terphenyl		131 %	60	175	"	"	"	"	
C-B05-3-12-16-06 (0612343-03) Liquid	Sampled: 12/	16/06 20:45	Received	: 12/17/06	15:30				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	•
Surrogate: o-Terphenyl		96.2 %	60	175	"	"	"	"	
Jet-A	ND	0.050	"	n	н	н		"	
Surrogate: o-Terphenyl		96.2 %	60	175	"	"	11	"	
Oil Range Organics (C22-C36)	0.67	0.050	n	"	11	н	н	"	
Surrogate: o-Terphenyl		96.2 %	60	175	"	"	"	"	
C-B05-4-12-16-06 (0612343-04) Liquid	Sampled: 12/	16/06 20:25	Received	: 12/17/06	15:30				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	
Surrogate: o-Terphenyl		118 %	60	175	"	"	"	"	
Jet-A	ND	0.050	н	n	"	"	11	n	
Surrogate: o-Terphenyl		118 %	60-,	175	"	"	"	."	
Oil Range Organics (C22-C36)	1.7	0.050	19	"	"		"	"	

Surrogate: o-Terphenyl

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.

60-175

"

"

118 %

"



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# Total Petroleum Hydrocarbons (TPH) by GC/FID

# Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B06-5-12-17-06 (0612343-05) Liquid	Sampled: 12/1	7/06 12:10	Received:	12/17/06	15:30				
Diesel Range Organics (C10-C24)	0.97	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		133 %	60-12	75	"	"	"	"	
Jet-A	ND	0.050		n	n	11	0	11	
Surrogate: o-Terphenyl		133 %	60-12	75	"	"	"	"	
Oil Range Organics (C22-C36)	1.1	0.050	9	11	n	11		11	D-41
Surrogate: o-Terphenyl		133 %	60-12	75	"	"	"	"	
C-B07-6-12-16-06 (0612343-06) Liquid	Sampled: 12/1	6/06 20:15	Received:	12/17/06	15:30				
Diesel Range Organics (C10-C24)	2.7	0.050	mg/L	1	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		112 %	60-17	75	"	"	"	"	
Jet-A	ND	0.050	tt	н	11	n	11	h	
Surrogate: o-Terphenyl		112 %	60-17	75	"	"	"	"	
Oil Range Organics (C22-C36)	2.1	0.050	н	н	11	"	"	n	D-41
Surrogate: o-Terphenyl		112 %	60-17	75	"	"	"	. #	
C-B07-7-12-17-06 (0612343-07) Liquid	Sampled: 12/1	7/06 12:30	Received:	12/17/06	15:30				
Diesel Range Organics (C10-C24)	2.1	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		82.7 %	60-17	75	"	17	"	"	
Jet-A	ND	0.050	11	11	n	11		11	
Surrogate: o-Terphenyl		82.7 %	60-17	75	"	"	"	. 11	
Oil Range Organics (C22-C36)	1.6	0.050	11	n	n	11	н	11	D-41
Surrogate: o-Terphenyl		82.7 %	60-17	75	"	11	"	"	
S-B08-14/C-B08-8-12-17-06 (0612343-08	8) Liquid Sam	pled: 12/17/	06 08:36	Received	: 12/17/06	15:30			
Diesel Range Organics (C10-C24)	1.2	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		105 %	60-17	75	"	"	. "	"	
Jet-A	ND	0.050	**	11	11	19	н	n	
Surrogate: o-Terphenyl		105 %	60-17	75	"	"	"	"	
Oil Range Organics (C22-C36)	0.73	0.050	"	n	17	11	н	n	D-41
Surrogate: o-Terphenyl		105 %	60-17	75	"	, "	"	"	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

# Total Petroleum Hydrocarbons (TPH) by GC/FID

# Sierra Analytical Labs, Inc.

C-B12-9-12-16-06 (0612343-10) Liqui Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl Oil Range Organics (C22-C36) Surrogate: o-Terphenyl C-B09-10-12-16-06 (0612343-11) Liqu Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl	id Sampled: 12/1 3.8 ND	0.10	Received: 1 mg/L	2/17/06	15:30				
Surrogate: o-Terphenyl Iet-A Surrogate: o-Terphenyl Oil Range Organics (C22-C36) Surrogate: o-Terphenyl C-B09-10-12-16-06 (0612343-11) Liqu Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Iet-A Surrogate: o-Terphenyl			mali						
Jet-A Surrogate: o-Terphenyl Oil Range Organics (C22-C36) Surrogate: o-Terphenyl C-B09-10-12-16-06 (0612343-11) Liqu Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl	ND	127.0/	шg/г	2	B6L2803	12/27/06	12/28/06	EPA 8015B	D-40
Surrogate: o-Terphenyl Oil Range Organics (C22-C36) Surrogate: o-Terphenyl C-B09-10-12-16-06 (0612343-11) Liqu Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl	ND	137 %	60-17	5	"	"	п	"	
Oil Range Organics (C22-C36) Surrogate: o-Terphenyl C-B09-10-12-16-06 (0612343-11) Liqu Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl		0.10	n	11	"	n	"	"	
Surrogate: o-Terphenyl C-B09-10-12-16-06 (0612343-11) Liqu Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl		137 %	60-175	5	"	"	"	"	
<b>C-B09-10-12-16-06 (0612343-11) Liqu</b> <b>Diesel Range Organics (C10-C24)</b> Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl	2.7	0.10	"	"	n	8	11	H	D-41
Diesel Range Organics (C10-C24) Surrogate: o-Terphenyl Jet-A Surrogate: o-Terphenyl		137 %	60-17:	5	"	"	"	"	
Surrogate: o-Terphenyl Iet-A Surrogate: o-Terphenyl	id Sampled: 12	/16/06 19:15	Received:	12/17/0	6 15:30				
Jet-A Surrogate: o-Terphenyl	1.8	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		121 %	60-175	5	"	"	"	"	
0 1 1	ND	0.050	"	н	н	"	"	11	
		121 %	60-175	5	"	"	"	"	
Oil Range Organics (C22-C36)	2.1	0.050	"	17	11	W	11	tr	D-41
Surrogate: o-Terphenyl		121 %	60-175	5	"	"	"	"	
C-B12-9-12-16-06-DUP (0612343-29)	Liquid Sampled	l: 12/16/06 1	9:50 Receiv	ved: 12/	/17/06 15:3	0			
Diesel Range Organics (C10-C24)	4.5	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	D-40
Surrogate: o-Terphenyl		68.6 %	60-175	5	"	"	"	"	
Jet-A	ND	0.050	"	"	n	"	н	n	
Surrogate: o-Terphenyl		68.6 %	60-175	5	"	"	"	"	
Oil Range Organics (C22-C36)	3.7	0.050	11	"	"	n	n	н	D-41
Surrogate: o-Terphenyl		68.6 %	60-175	5	11	"	"	"	
C-B05-4-12-16-06-BL (0612343-30) L	iquid Sampled:	12/16/06 20:	35 Receive	d: 12/1	7/06 15:30				
Diesel Range Organics (C10-C24)	ND	0.050	mg/L	1	B6L2803	12/27/06	12/27/06	EPA 8015B	
Surrogate: o-Terphenyl		118 %	60-175	5	"	"	"	11	
Jet-A	ND	0.050	11	н	n	n	**	н	
Surrogate: o-Terphenyl		118 %	60-175	5	"	"	"	"	
Oil Range Organics (C22-C36)	0.12	0.050	11	"	"	**	11	n	
Surrogate: o-Terphenyl									



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B7A0555 - General Preparation	-										
Blank (B7A0555-BLK1)				Prepared a	& Analyze	ed: 12/17/	06				
Ammonia as N	ND	0.100	mg/L								
Biochemical Oxygen Demand	ND	2.00	11								
Chemical Oxygen Demand	ND	0.100	"								
Methylene Blue Active Substances	ND	0.0500	11								
Oil & Grease	ND	1.00	"								
рН	ND	0.100	pH Units								
Specific Conductance (EC)	ND	0.100	µmhos/cm								
Total Suspended Solids	ND	1.00	mg/L								
Calibration Check (B7A0555-CCV1)				Prepared a	& Analyze	ed: 12/17/	06				
Ammonia as N	0.480		mg/L	0.500		96.0	80-120		ari 114		
Biochemical Oxygen Demand	204		"	200		102	80-120				
Chemical Oxygen Demand	310		11	300		103	80-120				
Methylene Blue Active Substances	0.180		17	0.200		90.0	80-120				
Duplicate (B7A0555-DUP1)	Soi	ırce: 06123	43-01	Prepared a	& Analyze	ed: 12/17/	06				
Ammonia as N	0.800	0.100	mg/L		0.830			3.68	15		
Biochemical Oxygen Demand	47.0	2.00	u		43.0			8.89	30		
Chemical Oxygen Demand	135	0.100			129			4.55	15		
Methylene Blue Active Substances	0.200	0.0500	17		0.180			10.5	15		
Oil & Grease	2.00	1.00	"		2.20			9.52	15		
pH	5.30	0.100	pH Units		5.40			1.87	15		
Specific Conductance (EC)	190	0.100	µmhos/cm		184			3.21	15		
Total Suspended Solids	25.0	1.00	mg/L		23.0			8.33	15		
Duplicate (B7A0555-DUP2)	Sou	arce: 06123	43-34	Prepared a	& Analyze	ed: 12/17/	06				
Ammonia as N	0.130	0.100	mg/L		0.140			7.41	15		
Biochemical Oxygen Demand	45.0	2.00	н		43.0			4.55	30		
Chemical Oxygen Demand	130	0.100	"		136			4.51	15		
Methylene Blue Active Substances	0.0800	0.0500	. "		0.0900			11.8	15		
Oil & Grease	1.70	1.00	"		1.50			12.5	15		
pH	5.80	0.100	pH Units		5.70			1.74	15		
Specific Conductance (EC)	153	0.100	µmhos/cm		160			4.47	15		
Speeche Conductance (2C)	155	0.100	f		100				15		

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.

26052 Merit Circle Suite 105, Laguna Hills, California 92653 Telephone: (949) 348-9389 Fax: (949) 348-9115 E-Mail: sierralabs @ sierralabs.net



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

### Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### **Batch B7A0555 - General Preparation**

Reference (B7A0555-SRM1)				Prepared & An	alyzed: 12/17/	'06	
Ammonia as N	0.490	0.100	mg/L	0.500	98.0	80-120	
Biochemical Oxygen Demand	204	2.00	*	200	102	80-120	
Chemical Oxygen Demand	294	0.100	н	300	98.0	80-120	
Methylene Blue Active Substances	0.210	0.0500	0	0.200	105	80-120	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Metals by EPA 200 Series Methods - Quality Control

## Sierra Analytical Labs, Inc.

			-	-						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6L2203 - EPA 200 Series			•••••							
Blank (B6L2203-BLK1)				Prepared:	12/22/06	Analyzed	l: 12/27/06			
Aluminum	ND	50	μg/L	<b>*</b>						
Copper	ND	2.0								
Iron	ND	0.040	mg/L							
Lead	ND	2.0	μg/L							
Zinc	ND	2.0	"				•			
Blank (B6L2203-BLK2)				Prepared:	12/22/06	Analyzed	l: 12/27/06			
Aluminum	ND	50	μg/L							
Copper	ND	2.0	11							
Iron	ND	0.040	mg/L							
Lead	ND	2.0	μg/L							
Zinc	ND	2.0	"							
LCS (B6L2203-BS1)				Prepared:	12/22/06	Analyzed	1: 12/27/06			
Aluminum	104	50	μg/L	100		104	85-115			
Copper	104	2.0	n	100		104	85-115			
Iron	1.01	0.040	mg/L	1.00		101	85-115			
Lead	108	2.0	μg/L	100		108	85-115			
Zinc	104	2.0	11	100		104	85-115			
LCS (B6L2203-BS2)				Prepared:	12/22/06	Analyzed	: 12/27/06			
Aluminum	114	50	μg/L	100		114	85-115			
Copper	99.8	2.0	"	100		99.8	85-115			
Iron	0.986	0.040	mg/L	1.00		98.6	85-115			
Lead	103	2.0	μg/L	100		103	85-115			
Zinc	105	2.0	н	100		105	85-115			
Matrix Spike (B6L2203-MS1)	So	urce: 061234	3-01	Prepared:	12/22/06	Analyzed	: 12/27/06			
Aluminum	1680	50	μg/L	100	1500	180	70-130			QM-0
Copper	296	2.0	19	100	200	96.0	70-130			
Iron	2.76	0.040	mg/L	1.00	1.9	86.0	70-130			
Lead	116	2.0	μg/L	100	12	104	70-130			
Zinc	418	2.0	n	100	250	168	70-130			QM-0



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

### Metals by EPA 200 Series Methods - Quality Control

### Sierra Analytical Labs, Inc.

					· · · · · · · · · · · · · · · · · · ·					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch B6L2203 - EPA 200 Series

Matrix Spike (B6L2203-MS2)	Sour	rce: 061234	3-19	Prepared:	12/22/06	Analyze	d: 12/27/06			
Aluminum	1730	50	μg/L	100	3000	NR	70-130			QM-07
Copper	112	2.0	н	100	23	89.0	70-130			
Iron	2.45	0.040	mg/L	1.00	2.9	NR	70-130			QM-07
Lead	112	2.0	μg/L	100	22	90.0	70-130			
Zinc	198	2.0	11	100	180	18.0	70-130			QM-07
Matrix Spike Dup (B6L2203-MSD1)	Sour	-ce: 061234	3-01	Prepared:	12/22/06	Analyze	d: 12/27/06			
Aluminum	1800	50	μg/L	100	1500	300	70-130	6.90	20	QM-07
Copper .	296	2.0	u	100	200	96.0	70-130	0.00	20	
Iron	2.90	0.040	mg/L	1.00	1.9	100	70-130	4.95	20	
Lead	114	2.0	μg/L	100	12	102	70-130	1.74	20	
Zinc	353	2.0	"	100	250	103	70-130	16.9	20	
Matrix Spike Dup (B6L2203-MSD2)	Sour	-ce: 061234	3-19	Prepared:	12/22/06	Analyzed	d: 12/27/06			
Aluminum	1620	50	μg/L	100	3000	NR	70-130	6.57	20	QM-07
Copper	108	2.0	н	100	23	85.0	70-130	3.64	20	
Iron	2.31	0.040	mg/L	1.00	2.9	NR	70-130	5.88	20	QM-07
Lead	109	2.0	μg/L	100	22	87.0	70-130	2.71	20	
Zinc	187	2.0	н	· 100	180	7.00	70-130	5.71	20	QM-07

#### Batch B6L2205 - EPA 200 Series

Blank (B6L2205-BLK1)				Prepared: 12/22/06 Analyzed: 12/27/06
Aluminum	ND	50	μg/L	
Copper	ND	2.0	11	
Iron	ND	0.040	mg/L	
Lead	ND	2.0	μg/L	
Zinc	ND	2.0	W	



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Metals by EPA 200 Series Methods - Quality Control

### Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

## Batch B6L2205 - EPA 200 Series

LCS (B6L2205-BS1)				Prepared:	12/22/06	Analyze	d: 12/27/06			
Aluminum	89.3	50	μg/L	100		89.3	85-115			
Соррег	97.7	2.0	11	100		97.7	85-115			
Iron	0.920	0.040	mg/L	1.00		92.0	85-115			
Lead	103	2.0	μg/L	100		103	85-115			
Zinc	104	2.0	н	100		104	85-115			
Matrix Spike (B6L2205-MS1)	Source: 0612343-31			Prepared:	Analyzed					
Aluminum	90.2	50	μg/L	100	28	62.2	70-130			QM-07
Соррег	98.4	2.0	11	100	14	84.4	70-130			
Iron	0.888	0.040	mg/L	1.00	ND	88.8	70-130			
Lead	104	2.0	μg/L	100	ND	104	70-130			
Zinc	104	2.0	n	100	41	63.0	70-130			QM-07
Matrix Spike Dup (B6L2205-MSD1)	Sou	rce: 061234	3-31	Prepared:	12/22/06	Analyze	d: 12/27/06			
Aluminum	126	50	μg/L	100	28	98.0	70-130	33.1	20	QM-07
Copper	111	2.0		100	14	97.0	70-130	12.0	20	
Iron	0.972	0.040	mg/L	1.00	ND	97.2	70-130	9.03	20	
Lead	104	2.0	μg/L	100	ND	104	70-130	0.00	20	
Zinc	140	2.0	11	100	41	99.0	70-130	29.5	20	QM-07
										~



### Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

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

### Sierra Analytical Labs, Inc.

		• ·									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B6L2207 - EPA 200 Series											
Blank (B6L2207-BLK1)				Prepared:	12/22/06	Analyzed	: 12/27/06				
Copper	ND	2.0	μg/L				AUL.				
Zinc	ND	2.0	w								
Blank (B6L2207-BLK2)				Prepared:	12/22/06	Analyzed	: 12/27/06				
Copper	ND	2.0	μg/L								
Zinc	ND	2.0	"								
LCS (B6L2207-BS1)				Prepared:	12/22/06	Analyzed	: 12/27/06				
Copper	101	2.0	μg/L	100	17 - 76 f.M	101	85-115				
Zinc	105	2.0	**	100		105	85-115				
LCS (B6L2207-BS2)				Prepared:	12/22/06	Analyzed	: 12/27/06				
Copper	98.4	2.0	μg/L	100		98.4	85-115				
Zinc	105	2.0	н	100		105	85-115				
Matrix Spike (B6L2207-MS1)	Source: 0612343-01			Prepared:							
Copper	252	2.0	μg/L	100	140	112	70-130				
Zinc	297	2.0	н	100	200	97.0	70-130				
Matrix Spike (B6L2207-MS2)	Source: 0612343-19			Prepared:	12/22/06	Analyzed	: 12/27/06				
Copper	105	2.0	μg/L	100	4.4	101	70-130				
Zinc	108	2.0	W	100	6.0	102	70-130				
Matrix Spike Dup (B6L2207-MSD1)	Source: 0612343-01			Prepared:	12/22/06	Analyzed	: 12/27/06				
Copper	251	2.0	μg/L	100	140	111	70-130	0.398	20		
Zinc	295	2.0	v	100	200	95.0	70-130	0.676	20		
Matrix Spike Dup (B6L2207-MSD2)	Source: 0612343-19		Prepared: 12/22/06 Analyzed: 12/27/06								
~	107	2.0						0.040	•••		
Copper	106	2.0	μg/L	100	4.4	102	70-130	0.948	20		



Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

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

## Sierra Analytical Labs, Inc.

· · · · · · · · ·											
		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch B6L2208 - EPA 200 Series											
Blank (B6L2208-BLK1)				Prepared: 12/22/06 Analyzed: 12/27/06							
Copper	ND	2.0	μg/L								
Zinc	ND	2.0	"								
LCS (B6L2208-BS1)				Prepared:	12/22/06	Analyzed:	12/27/06				
Copper	101	2.0	μg/L	100		101	85-115				
Zinc	109	2.0		100		109	85-115				
Matrix Spike (B6L2208-MS1)	Source: 0612343-31			Prepared: 12/22/06 Analyzed: 12/27/06							
Copper	107	2.0	μg/L	100	11	96.0	70-130			· · · · · · · · · · · · · · · · · · ·	
Zinc	137	2.0	11	100	41	96.0	70-130				
Matrix Spike Dup (B6L2208-MSD1)	Source: 0612343-31			Prepared: 12/22/06 Analyzed: 12/27/06							
Соррег	110	2.0	μg/L	100	11	99.0	70-130	2.76	20		
Zinc	145	2.0	19	100	41	104	70-130	5.67	20		



MACTEC Engineering & Consulting 9177 Sky Park Court Suite A San Diego CA, 92123

Project: San Diego Airport Project Number: [none] Project Manager: Amanda Archenhold

**Reported:** 01/18/07 10:07

## Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

## Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

## Batch B6L2803 - EPA 3510C Sep Funnel

Blank (B6L2803-BLK1)				Prepared &	& Analyz	ed: 12/22/	'06			
Diesel Range Organics (C10-C24)	ND	0.050	mg/L							
Jet-A	ND	0.050	н							
Oil Range Organics (C22-C36)	ND	0.050	11							
Surrogate: o-Terphenyl	0.138		"	0.100		138	60-175			
Surrogate: o-Terphenyl	0.138		"	0.100		138	60-175			
Surrogate: o-Terphenyl	0.138		"	0.100		138	60-175			
LCS (B6L2803-BS1)				Prepared &	& Analyz	ed: 12/22/				
Diesel Range Organics (C10-C24)	0.468	0.050	mg/L	0.500		93.6	80-120			
Diesel Range Organics (C10-C24)	0.468	0.050	11	0.500		93.6	80-120			
Diesel Range Organics (C10-C24)	0.468	0.050	"	0.500		93.6	80-120			
Matrix Spike (B6L2803-MS1)	Sour	ce: 061234	3-30	Prepared &	& Analyz	ed: 12/22/	06			
Diesel Range Organics (C10-C24)	0.488	0.050	mg/L	0.500	ND	97.6	50-150			
Diesel Range Organics (C10-C24)	0.488	0.050	"	0.500	ND	97.6	50-150			
Diesel Range Organics (C10-C24)	0.488	0.050	"	0.500	ND	97.6	50-150			
Matrix Spike Dup (B6L2803-MSD1)	Sour	ce: 061234	3-30	Prepared &	& Analyz	ed: 12/22/	06			
Diesel Range Organics (C10-C24)	0.472	0.050	mg/L	0.500	ND	94.4	50-150	3.33	30	
Diesel Range Organics (C10-C24)	0.472	0.050		0.500	ND	94.4	50-150	3.33	30	
Diesel Range Organics (C10-C24)	0.472	0.050	v	0.500	ND	94.4	50-150	3.33	30	

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.



MACTEO	C Engineering & Consulting	Project:	San Diego Airport	
	Park Court Suite A	Project Number:	[none]	Reported:
San Dieg	o CA, 92123	Project Manager:	Amanda Archenhold	01/18/07 10:07
		Notes and De	finitions	
<b>D-4</b> 0	Sample appears to be a mixture of fu	el hydrocarbons. Diesel Ra	nge Organics (C10-C24) reported.	
<b>D-4</b> 1	Sample appears to be a mixture of fu	el hydrocarbons. Oil Range	e Hydrocarbons (C22-C36) reported.	
QM-07	The spike recovery was outside accept recovery.	ptance limits for the MS and	d/or MSD. The batch was accepted ba	sed on acceptable LCS
DET	Analyte DETECTED			
٩D	Analyte NOT DETECTED at or above the rep	porting limit		
VR.	Not Reported			
lry	Sample results reported on a dry weight basis			
RPD	Relative Percent Difference			

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

lient: hple: nod : tion:	Sierra Analytical Labs, Inc. 26052 Merit Circle, Suite #105 Laguna Hills, CA 92653	-			
tion: tion:	Merit Circle, Suite #105 a Hills, CA 92653			14201 FRANKLIN AVENUE · (714) 730-6239 · FAX (7	14201 FRANKLIN AVENUE - TUSTIN, CALIFORNIA 92780-7008 (714) 730-6239 - FAX (714) 730-6462 · www.truesdail.com
tion: nple: ame: tion:		-	REPORT	Laboratory No: Report Date: Sampling Date:	961688 December 22, 2006 December 16-18, 2006
tion:	<b>Tracy Collins</b> Liquid/17 Samples Sierra Project #0612343		•	Receiving Date: Analysis Date: Units:	December 19, 2006 December 20-21, 2006 mg/L
Sample ID	115B S			Dilution Factor: Reported By:	2 MK
Sample ID		Analytical Results	Results		Page 1 of 1
	Sample Description	Ethylene Glycol	Propylene Glycol	Surrogate (1-Butanol)	Surrogate % Recovery
706389-MB Methe	Method Blank	ND	ND	99.4	99.4%
	0612343-01 <b>6</b> . <i>Go</i>   - I	ND	DN	165	82.4%
		QN	Q	174	86.9%
	1			C01	07.2.20%
961688-5 0612	0612343-04 <b>と/303 - 1</b> 0612343-05 / R / C - S	DN ON		160	80.0%
	) 	ND	ND	168	83.9%
961688-7 0612:	0612343-07 CB07-7	DN	QN	234	117%
	0612343-09 £ 200 0612343-09	<b>DN</b>	QN	243	121%
	0612343-10	ON C		243	121%
961688-10 0612 061688-11 0612	0612343-11 (《 。			205	103%
	0612343-15	Q	QN	220	110%
•	0612343-18	ND	QN	214	107%
961688-14 0612	0612343-26 5 4 5 4 5	Q	QN	207	103%
	C.C. 6.	QN	QN	210	105%
961688-16 0612 961688-17 0612	0612343-29 5 00000000000000000000000000000000000	ON ND	UN ND	212	100%
Nuantitation L		5.0	5.0	Surrogate Concy= 200	APR = 50-200%
Sample RLs		10.0	10.0		
ND: Not detected, or below limit of detection.	w limit of detection.				, ,
RL: Reporting limit, or lea	RL: Reporting limit, or least amount of analyte quantifiable based on average	ole based on average			
sample size used and analytic APR: Allowable Percent Recovery	sample size used and analytical technique employed :: Allowable Percent Recovery	.pe	Ani	Rossina Tomova, Project Manager Analytical Services, Truesdail Laboratories, Inc.	tnager ratories, Inc.
his report applies only to the sampl	e, or samples, investigated and is n	ot necessarily indicative of the q	juality or condition of apparently i	This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar preducts. As a mutual protection to clients, the public,	al protection to clients, the public

TRUESDAIL LABORATORIES, INC. INDEPENDENT TESTING, FORENSIC SCIENCE, AND ENVIRONMENTAL ANALYSES	LABOR ORENSIC SCIEN	ABORATORIES, ENSIC SCIENCE, AND ENVIRONMEN	<b>, INC.</b> Jental Analyses							Establis	Established 1931	
Client	Sierra Ana	Sierra Analvtical Labs. Inc.	<u>i</u>		R	REPORT		10	1201 FRANKLIN 14) 730-6239	AVENUE - TU > - FAX (714	14201 FRANKLIN AVENUE · TUSTIN, CALIFORNIA 92780-7008 (714) 730-6239 · FAX (714) 730-6462 · www.truesdail.com	A 92780-7008 .truesdail.com
	26052 Mei Laguna Hi	26052 Merit Circle, Suite #105 Laguna Hills, CA 92653	#105						QA/QC Batch No: Laboratory No: Report Date:	2C Batch No: boratory No: Report Date:	706389 961688 December 22, 2006	2.2006
Attention: Sample: Project Name:	<b>Tracy Collins</b> Liquid/17 Samples Sierra Project #061	<b>Tracy Collins</b> Liquid/17 Samples Sierra Project #0612343							Sampling Date: Receiving Date: Analysis Date:	Sampling Date: (eceiving Date: Analysis Date:	December 16-18, 2006 December 19, 2006 December 20-21, 2006	5-18, 2006 3, 2006 3-21, 2006
Method Number: Investigation:	EPA 8015B Glycols	œ							Repor	Units: Reported By:	mg/L MK	
2	MRCVS - 12/20/06	20/06	Quality Control		y Assura	nce Calibra	/Quality Assurance Calibration Checks Report MRCVS - 12/21/06	ks Repc /06	t			
Parameter	Spiked Concentration		Recovered	Percent		Flag	Spiked Concentration		Recovered Concentration		Percent Difference	Flag
Ethylene Glycol	50.0		41.3	17.3%	Íd	PASS	50.0		40.7		18.6%	PASS
Propylene Glycol	50.0		40.0	20.0%	Ρ	PASS	50.0		42.2		15.6%	PASS
	L	LCS/LCSD - 12/20/06	Quality Co 20/06	/ Control/(	Quality As	ssurance Spikes F LCS/LCSD - 12/21/06	ntrol/Quality Assurance Spikes Report LCS/LCSD - 12/21/06	t				
	Spike	Recovered	Percent	RPD		Recovered		Percent	RPD		Acci	Accuracy
Parameter		Concentration LCS LCSD	Re LC	(%) (	Flag	Concentration LCS LCSD		Recovery (%) LCS LCSD	(%)	Flag	Contro RPD	Control Limits D % Recovery
Ethylene Glycol	50.0	49.2 45.5	98.5% 91.0%		PASS	46.0 5		104%	12.6%	PASS	20	70-130
Propylene Glycol	50.0	48.4 43.7	96.9% 87.5%	% 10.2%	PASS	44.7 49	49.5 89.4%	99.1%	10.2%	PASS	20	70-130
										e.	Ň	
MRCVS: Mid Range Calibration Verification Standard LCS: Laboratory Control Spike	alibration Verific ol Spike	ation Standard										
LCSD: Laboratory Control Spike Duplicate	ntrol Spike Duplic	cate		$\sim$				1		Š		
RPD: Relative Percent Difference Flao: "Pass" if within Control Limits: otherwise "Fail"	t Difference antrol Limits: oth	herwise "Fail"					T	Rossina Tom Analvtical Services.	0-+	ı, Project N ıesdail Lat	va, Project Manaber Fruesdail Laboratbries. Inc.	
								, mon firmin				
This report applies only to the sample, or samples, investigated and is not necessari and these laboratories, this report is submitted and accepted for the exclusive use publicity matter without prior written authorization from these laboratories.	the sample, or its report is sub ior written autho	r samples, investig mitted and accept orization from thes	jated and is not nec ted for the exclusive te laboratories.	essarily indicati e use of the clie	ve of the during the photon of the second	s addressed and	apparently ident d upon the condit	ical or simil ion that it is	ar products. A	vs a mutual id, in whole	ily indicative of the duration of apparently identical or similar products. As a mutual protection to clients, the public, of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or	nts, the public, advertising or

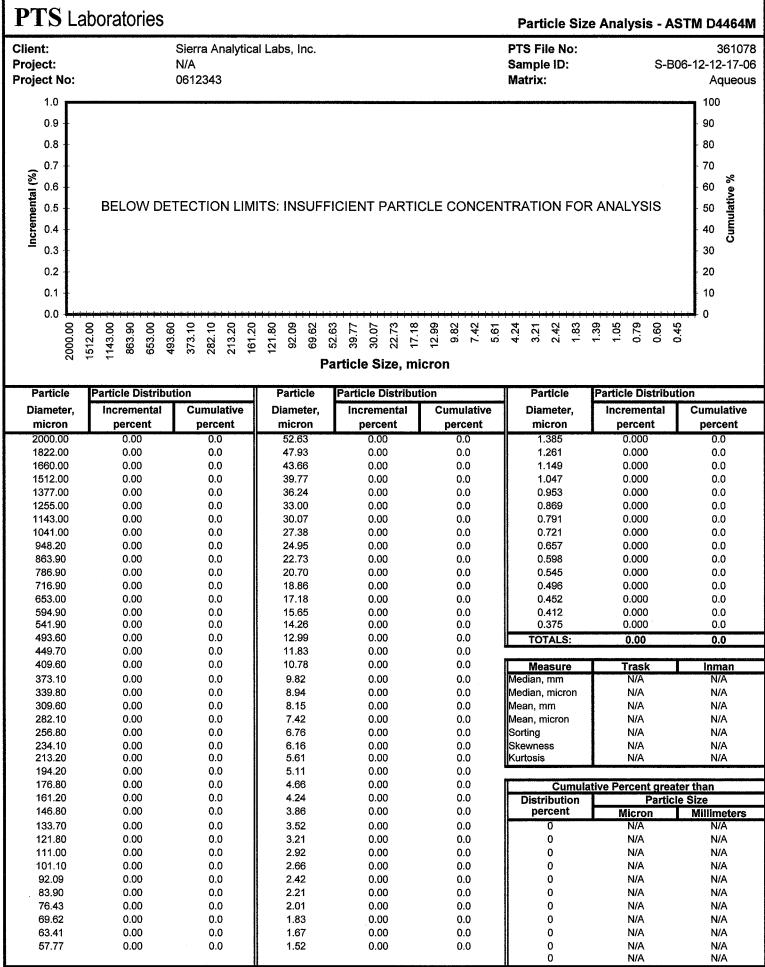
## PARTICLE SIZE SUMMARY (METHODOLOGY: ASTM D4464M)

PROJECT NAME: PROJECT NO:

N/A 0612343

		Median				CUMU	<b>CUMULATIVE PERCENT GREATER THAN</b>	RCENT G	REATER T	HAN			
		Grain Size,					Distribution	n percent, I	microns				
Sample ID	Matrix	micron (1)	5%	10%	16%	25%	40%	20%	60%	75%	84%	90%	95%
S-B06-12-12-17-06	Aqueous	N/A		BEL	DW DETEC	TION LIMI	TS: INSUF	FICIENT C	ONCENTI	<b>SATION FC</b>	BELOW DETECTION LIMITS: INSUFFICIENT CONCENTRATION FOR ANALYSIS	IS	

(1) based on Mean from Trask



CHAIN OF CUSTODY RECORD				
YTICAL CHA	. 68	15	Suite 105 • Laguna Hills, CA • 92653	

FAX: 949 · 348 · 9115 26/62 Merit Circle · Suite 105 · Laguna Hills.	• 9389 • 9115 cle • Suite 105	i • Laguna		CA • 92653				·			Dat. Lab	Date://///////	<b>x</b>	Page:
Client: MACTEC	•	-		Clie	Client Project 1D:	•				Analy	Analyses Requested	uested	-	ſ
Address:	( COURT				SAN DI	SAN DIEGO AIRPORT	DRT	,e		(  0	~			Geatracker EDD Info:
SAN DIEGO, CA 92123	1 92123							, vD, IA) to ABM, .cin		JOIOL				
			ļ		Turn Amund		24 Hour	omms,0		n ,ləa				Client LOGCODE
Client Tel. No.: (858) 278-3600	600			12000	诺	C 48 Flour	72 Hour		0) e	qıea				
Client Fax. No.: (858) 278-5300	300				UL		5 Day		seəj	'jəni			•	Site Glabal 1D
Client Proj. Mgr.:	Sterra		F	Matuiv	Preservative	Container	Mobile Na. af	755, 5pec 2n), diss(Ci	6 pue	iəi) Hc				Field Point Nam
Cherr Sampre 11.	No						CURRENTER		ļO .					Controcats
C-B01-1- 12-17-06		2 10 101	9211	STORNWATER	NONE	PLASTIC	2	×						
C-B01-1- 12-17-06		12 111 166	[120	STORMWATER	NONE	40ml VOA	7	×						
C-B01-1-12-17-06		211100	120	STORMWATER	NONE.	CLR GLASS	-		×					
C-B01-1- 12-17-06		202	120	STORMWATER	NONE	AMBER GLASS	-			×				
C-B03-2- 12-17-06		211 26	(135	STORMWATER	NONE	PLASTIC	2	×			-			
C-B03-2- 12-1)- DL		2 (1) (16	135	STORMWATER	NONE	40ml VOA	7	×						
C-B03-2- 12 17 - 66		20 10/20	N35	STORMWATER	NONE	CLR GLASS	-		×		·, · · ·			
C-B03-2- 12-17-06		2611 66 1135		STORMWATER	NONE	AMBER GLASS	1			X				
C-B05-3- 12-16-06		14/16	14/16/2045	STORMWATER	NONE	PLASTIC	7	×						
C-B05-3-12-16-06		14/466 20/45.	20,45,	STORMWATER	NONE	40ml VOA	2	×			· · ·			
L Samite Nigranue:		,	Stripteri Via:					<u> </u>		Total	Number o	Total Number of Containers Submitted to	bmitted to	Sample Disposati
			(Curks/Waylell Nv.)							17900	ratory			Return in Clical
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TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115 26052 Merit Circle • Suite 105 • Laguna Hills, CA • 92653	Client: MACTEC	Add ress;	SAN DIEGO, CA 92123		Cilent Tel. No.: (858) 278-3600	Client Fax. No.: (858) 278-5300	Client Proț. Mgr.:	Client Sample ID.	S-B03-10- 12-17-06	S-B06-11- R- IJ- Db	S-B06-12-12-17- DL	8-806-12- 12-17-06	6-866-18- 5-B12-13	5-50-13-2-13	C-612-9-12-16-06 -DUP	C-B12-9-12-16-06-0UP	0-812-9-12-16-06 -DUP	C-B12-9- 12-16-06 -DUP	L Statyler Signature:	1 1 1 1	Hand her	Creptons 77 / Pars - 1 P.C.	J J J G G G G G G G G G G G G G G G G G				tendens Special Instructions:

From: Rebekah Arnitz 949-348-9115 To: Amanda

Date: 12/18/2006 Time: 9:51:30 AM

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