WELL COMPLETION REPORT

Boeing Realty Corporation
Former C-6 Facility
1451 & 1452 Knox Street
Los Angeles, California

February 6, 2007

PREPARED FOR

Boeing Realty Corporation
4501 East Conant Street
Mail Stop D851-0097
Long Beach, California 90808

PREPARED BY

Avocet Environmental, Inc.
16 Technology Drive, Suite 154
Irvine, California 92618-2327

Project No. 1155.002

AVOCET
ENVIRONMENTAL, INC.

AVOCET
ENVIRONMENTAL, INC.

February 6, 2007 Project No. 1155.002

Mr. Robert P. Scott
BOEING REALTY CORPORATION
4501 East Conant Street
Mail Stop D851-0097
Long Beach, California 90808

Well Completion Report
Boeing Realty Corporation
Former C-6 Facility
1451 & 1452 Knox Street
Los Angeles, California

Dear Mr. Scott:

Avocet Environmental, Inc. (Avocet) is pleased to present for your review the attached ***Well Completion Report***. The report details the installation and development of six wells at the former C-6 Facility in Los Angeles, California.

Avocet appreciates the opportunity to provide the requested services to Boeing Realty Corporation. If you have any questions or comments, please do not hesitate to contact me at (949) 296-0977.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.

Michael A. Rendina

Michael A. Rendina, P.G.
Principal

MAR/JMB:sh
Attachments
cc: Joe Weidmann – Haley & Aldrich, Inc.

S:\Projects\1155 Boeing Former C-6 Facility\Proposal for Extraction Wells\Implementation Report\C-6 Well Install Rpt_020607.doc

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LIST OF ABBREVIATIONS AND ACRONYMS

AIS	American Integrated Services, Inc.
bgs	below ground surface
BRC	Boeing Realty Corporation
CCS	California Coordinate System
CDM	Camp Dresser & McKee Inc.
DO	dissolved oxygen
EC	electrical conductivity
gpm	gallons per minute
IDW	investigation-derived waste
KDM	KDM Meridian
LARWQCB	Los Angeles Regional Water Quality Control Board
mg/l	milligram per liter
ml/min	milliliter per minute
mS/cm	millisiemen per centimeter
mV	millivolt
NGVD	National Geodetic Vertical Datum
NTU	nephelometric turbidity unit
ORP	oxidation-reduction potential
PID	photoionization detector
ppm	part per million
PVC	polyvinyl chloride
RFP	Request for Proposal
STL	Severn Trent Laboratories
µg/l	microgram per liter
USCS	Unified Soil Classification System

1.0 INTRODUCTION

This report documents the installation of six groundwater wells at the Boeing Realty Corporation (BRC) former C-6 Facility located in Los Angeles, California (Figure 1). The scope of work was based on Haley & Aldrich's (H&A's) May 9, 2006, *Request for Proposal, Installation of Two Groundwater Extraction Wells, Former C-6 Facility, Los Angeles* (RFP) and the following subsequent technical memoranda:

Camp Dresser & McKee Inc., September 15, 2006, *Proposed Groundwater Extraction and Injection Wells for Pre-Remediation Testing and Pilot-Scale Testing, Remediation of Volatile Organic Compounds, Former C-6 Facility, Los Angeles, California.*

Camp Dresser & McKee Inc., September 25, 2006, *Addendum No. 1 to the May 9, 2006 RFP, Additions and Clarifications, Extraction/Injection/Observation Well Construction, Former C-6 Facility, Los Angeles, California.*

1.1 BACKGROUND

Camp Dresser & McKee Inc. (CDM) prepared a "Pre-Remediation Workplan (CDM, February 14, 2006)," which was approved by the Los Angeles Regional Water Quality Control Board (LARWQCB) on February 23, 2006. This work plan proposed the installation of two groundwater extraction wells at the site; one to be completed in the B-Sand and one in the C-Sand. Subsequently, the need for additional pre-remediation and pilot-scale testing was identified. To accommodate this additional testing, the scope of work was increased to include three extraction wells, two injection wells, and one observation well. One of the extraction wells targets the B-Sand, while the remaining five extraction/injection/observation wells target the C-Sand.

Two extraction wells, one B-Sand and one C-Sand, were proposed for installation at 1451 West Knox Street (Lot 8), currently owned by BRC. This property has been redeveloped and has one warehouse occupying the western portion of the property. The remaining four C-Sand wells were proposed for installation at 1452 West Knox Street (i.e., the Sunrider property). This property has been sold and redeveloped, with two warehouses occupying the major portion of the property. Well locations are shown on Figure 2.

2.0 FIELD METHODOLOGY

Field methodology is described in the following sections. All field work was conducted under the direct supervision of a State of California Professional Geologist. Field activities were performed in accordance with the methods, procedures, and specifications identified in the RFP (H&A, May 9, 2006) and subsequent technical memoranda (CDM, September 15 and September 25, 2006). The specific well locations were identified and marked in white paint during a site visit on October 5, 2006 that involved representatives of BRC, H&A, CDM, and Avocet. Preliminary well design details were provided in the September 25, 2006 technical memorandum. However, prior to well completion, lithologic logs of the continuously cored borings were transmitted to CDM, and CDM provided the final well completion details. Groundwater sampling of the newly replaced wells was not conducted during this field program and is not discussed in this well completion report.

2.1 PRE-FIELD ACTIVITIES

2.1.1 Health and Safety Plan

Field activities were conducted in accordance with Avocet's *Health and Safety Plan for Groundwater Well Installation* (Avocet, October 4, 2006).

2.1.2 Permitting

Prior to well installation activities, well construction permits were obtained from the County of Los Angeles, Department of Health Services. Copies of the well permits are included in Appendix A.

2.1.3 Utility Clearance

Underground Service Alert of Southern California (known as DigAlert) was contacted on October 11, 2006 for utility clearance at the proposed boring locations. In addition to DigAlert notification, each sampling location was surveyed for subsurface obstructions, using geophysics (GEOVision), and copies of utility drawings for the properties were downloaded from the Boeing Environmental Data Management System and reviewed for potential conflicts. As a final precaution, three hand-auger borings were excavated in a triangular pattern to depths of 10 feet at each location prior to drilling.

2.2 WELL INSTALLATION

2.2.1 Drilling and Sampling

Well drilling activities were conducted between October 17 and November 9, 2006. Drilling was subcontracted to Cascade Drilling, Inc. (Cascade), of La Habra, California, a California-licensed well drilling contractor (C57 License No. 717510). The wells were drilled using the sonic drilling method. This method utilized high-frequency resonant energy to advance a core barrel and conductor casing into the underlying Bellflower aquitard. Initially, a 6-inch-diameter core

barrel was used to pilot the boring and collect a continuous soil core. However, the 6-inch-diameter core barrel proved inadequate to advance the 10-inch-diameter conductor casing[1] required to seal off the B-Sand, so a larger, 8-inch-diameter core barrel was fabricated, which improved production. In the five C-Sand wells, an outer steel conductor casing was advanced through the B-Sand to depths ranging from 78.5 to 87 feet below ground surface (bgs) and sealed off using coated bentonite pellets in a fine-grained interval separating the B- and C-Sands (Table 1). Once the outer conductor casing was set and sealed, a nominal 8-inch-diameter (inner) steel casing was advanced through the conductor and seal to the total depth of boring to keep the borehole open while the core barrel was repeatedly returned to the surface for sample extrusion.

Although the drilling method provides a continuous core of the penetrated formation, pursuant to the RFP, only that portion of the core collected below a depth of 50 feet was logged in detail by a California Professional Geologist in accordance with the Unified Soil Classification System (USCS). Copies of the boring logs prepared by the geologist are included in Appendix B. The continuous core was screened at regular intervals for organic vapors using a MiniRAE 2000 photoionization detector (PID)[2] and the readings were recorded on the field boring logs. The soil types encountered during drilling consisted largely of olive-brown, silt, silt/sand mixtures, and fine-grained, poorly graded sand. Groundwater was encountered during drilling at depths ranging from 56.5 to 67 feet bgs (median 61.5 feet bgs).

2.2.1.1 Treatability Sampling

Pursuant to the RFP and subsequent technical memoranda, soil and groundwater samples were collected for laboratory treatability testing. On Monday, October 23, 2006, Well IRZCMW003 was purged for sampling using low-flow methods. The well was purged using a QED Environmental Systems SamplePro™ portable groundwater sampling bladder pump, new polyethylene tubing, a digital flow controller, and MicroPurge™ flow cell. The compressed gas-actuated bladder pump was installed with the intake positioned near the mid-point of the 4-inch-diameter well screen (92 to 117 feet bgs) at a depth of 105 feet bgs. The well was then purged at an average rate of about 150 milliliters per minute (ml/min) while continuously monitoring the amount of drawdown caused by the pumping. Drawdown in the well was negligible at this production rate. During purging, the pump discharge tubing was connected to a calibrated in-line flow cell to monitor for parameter stabilization. Probes in the flow cell monitored temperature, pH, dissolved oxygen (DO), electrical conductivity (EC), and oxidation-reduction potential (ORP). The Purge Scan™ technology automatically signaled when pH, DO, EC, and ORP had stabilized. The parameter stabilization range criteria for three consecutive measurements, taken a minimum of two minutes apart, were as follows: +/-0.2 pH units, +/-0.2 milligrams per liter (mg/l) DO, +/-0.02 millisiemen per centimeter (mS/cm) EC, and +/-20 millivolts (mV) ORP. After the parameters had stabilized, the flow cell was disconnected and groundwater samples were collected. Twelve 1-liter containers and three 40-milliliter VOAs

[1] The conductor casing, rather than the core barrel, was being relied upon to do too much of the drilling and frequently became plugged with soil requiring that it be removed from the ground and manually cleared.
[2] Calibrated daily to a 100 parts per million (ppm) isobutylene standard.

were collected. Ten of the 1-liter containers and all of the VOAs were carefully packed into coolers with ice and shipped via overnight delivery to CDM's Environmental Treatability Laboratory in Bellevue, Washington. The two extra 1- liter containers were stored on ice to be used in packaging the soil treatability samples.

Treatability samples of the B- and C-Sands were collected from Boring MWC024 on October 24 and 25, 2006. The samples were collected using 3-inch- diameter by 30-inch-long steel Shelby tubes. Lithologic conditions in nearby Boring EWC002 suggested that significant B- and C-Sand intervals would be encountered at depths of about 65 to 70 and 110 to 115 feet bgs, respectively. Boring MWC024 was carefully logged as these intervals were approached, and once the sand intervals were encountered, preparations were made for sampling. The samples were collected by attaching a Shelby tube to the end of the drill rod using a special adapter, lowering the sampler through the water column to the soil interface, and driving the sampler into the native formation. Since the sample was collected through standing water, which would displace atmospheric air from the sampler, pre-purging of the tube with argon was not performed. Upon removal from the borehole, the tube was quickly sealed with Teflon paper and plastic caps wrapped with Parafilm. As requested by the laboratory, the 30-inch Shelby tube was then cut into 12-inch-long sections and 1 to 2 inches of soil was removed from each end and replaced with groundwater collected from IRZCMW003 on October 23, 2006. The ends of the tube were resealed, packed into coolers with ice, and shipped via overnight delivery to CDM's Environmental Treatability Laboratory in Bellevue, Washington. Two 12-inch-long samples were collected from each of three intervals, two in the B-Sand (64.5 to 66.5 feet bgs and 68 to 70 feet bgs) and one in the C-Sand (114.5 to 116.5 feet bgs).

2.2.2 Well Construction

Preliminary well construction details were provided in CDM's September 25, 2006 *Technical Memorandum.* However, prior to well completion, lithologic logs of the continuously cored borings were transmitted to CDM and CDM provided the final well completion details based on the location-specific subsurface conditions. The as-built well construction details are summarized in Table 1. Four-inch-diameter Schedule 80 PVC casing and screen were used to construct the five C-Sand wells (EWC002, MWC024, IWC002, IWC001, and EWC001), and six-inch-diameter Schedule 80 PVC casing and screen were used to construct the one B-Sand well (EWB001). The screened portion of the well casings ranges from 20 to 30 feet in length and consists of 0.02-inch machine-slotted PVC.

The filter pack consists of #3 Monterey sand that extends from the bottom of the well to 3 feet above the top of the screened interval. Prior to placement of the annular seal, the wells were surged to settle the filter pack. The annular space above the filter pack was sealed with 4 to 5 feet of coated bentonite pellets followed by Portland-bentonite grout placed via tremie pipe. Each well was fitted with an expandable locking well cap and encased in a traffic-rated, flush-mounted well box. Well construction details are included in Table 1 and copies of the boring logs and well construction diagrams are included in Appendix B.

2.2.3 Well Development

The wells were developed on November 7, 8, and 14, 2006, in accordance with the methods and procedures described in the Pre-Remediation Implementation Workplan (CDM, August 7, 2006). Prior to development, water levels were gauged in each new well and several surrounding wells[3], and the total depth of each casing was measured using a Solinst water level meter. The wells were surged/swabbed using a vented surge block and then bailed using a 3.5-inch-diameter stainless steel bailer to remove solids. The wells were then purged using a submersible pump at rates varying from 3 to 15 gallons per minute (gpm); typically the wells yielded between 4 and 5 gpm without substantial drawdown. During purging, the depth-to-water was intermittently gauged and water quality parameters, including temperature, specific conductivity, pH, and turbidity, were measured using a Hanna or Hydac Combo Meter and LaMotte 2020 Turbidimeter. These measurements were recorded on Well Development Forms, copies of which are presented in Appendix C. Purging continued until the temperature, specific conductance, and pH measurements stabilized and the turbidity decreased below 50 NTUs (nephelometric turbidity units). Purge water was stored in 4,000-gallon Baker tanks.

2.2.4 Decontamination

All drilling, development, and sampling equipment was decontaminated between borings and wells, as appropriate. Large equipment was decontaminated in a portable decontamination trailer and small equipment was cleaned using a three-bucket wash with non-phosphate soap.

2.2.5 Investigation-Derived Wastes

Investigation-derived waste (IDW) generated during well installation activities included soil cuttings, equipment decontamination rinsate, and purge/development water. These materials were placed into three roll-off soil bins and two 4,000-gallon Baker tanks supplied by American Integrated Services (AIS). Soil and liquid samples were collected from the bins and drums for profiling purposes and submitted to Severn Trent Laboratories (STL), of Santa Ana, California, for analysis. Upon receipt and review of the analytical data (Appendix D), the soil was classified as nonhazardous waste. On November 21, 2006, AIS transported the bins to TPS Technologies in Adelanto, California. The liquid in the Baker tanks, however, was classified as hazardous due to elevated concentrations of trichloroethylene (>500 micrograms per liter [µg/l]) and 1,1-dichloroethylene (>700 µg/l). On December 4, 2006, AIS transported the liquids to U.S. Filter Recovery Services in Vernon, California. Copies of the manifests for the IDW are included as Appendix E.

2.3 SURVEY

On November 21, 2006, KDM Meridian (KDM), of Lake Forest, California, a licensed land surveyor, surveyed the well locations and wellhead elevations. All horizontal coordinates

[3] At the time of development, static water levels were measured in six wells surrounding the four Sunrider property wells. Wells surrounding the two Lot 8 wells were locked and could not be accessed for monitoring. The static water level measurements are presented in Appendix C.

reference the California Coordinate System (CCS), 83 North American Datum. Elevations reference the National Geodetic Vertical Datum (NGVD) of 1988. The survey coordinates are summarized in Table 1 and the surveyors report is attached as Appendix F.

3.0 DISCUSSION

Six groundwater monitoring wells (EWC002, MWC024, IWC002, IWC001, EWC001, and EWB001) were installed to support ongoing remediation and monitoring activities associated with the BRC Former C-6 Facility in Los Angeles, California. One of the wells (EWB001) was installed in the B-Sand (first encountered groundwater) and five of the wells (EWC002, MWC024, IWC002, IWC001, and EWC001) were installed in the C-Sand. Groundwater in the B-Sand was encountered at depths ranging from 56.5 to 67 feet bgs (median depth: 61.5 feet bgs). Soil above the B-Sand was comprised largely of light brown to olive-brown interlayered silt and clay with subordinate amounts of fine-grained sand and silt/sand mixtures. The B-Sand was comprised largely of olive-brown, fine-grained, poorly graded sand, with prominent interlayers of silt and silty sand. The transition between the B- and C-Sands was gradational and variable between borings, but was generally indicated by a marked increase in the occurrence of fine-grained sediments (silt and clay) between the depths of 80 and 90 feet bgs. The outer conductor casing was generally set and sealed within this interval to prevent communication between the B- and C-Sand aquifers. In several of the borings, this transition was accompanied by the appearance of abundant shell (mollusk) fragments, suggesting a change from marine to continental depositional conditions. Like the B-Sand, the C-Sand also consists largely of poorly graded sand with subordinate interlayers of silt and silty sand, but is somewhat coarser, with localized gravelly intervals.

Visual, olfactory, and PID measurements of both soil and groundwater indicate a somewhat higher level of contamination in the Lot 8 wells than in the Sunrider wells.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.

Michael A Rendina

Michael A. Rendina, P.G.
Principal

PROFESSIONAL GEOLOGIST
MICHAEL A. RENDINA
No. 292
CERTIFIED HYDROGEOLOGIST
05/07
STATE OF CALIFORNIA

REFERENCES

Avocet Environmental, Inc. (Avocet), October 4, 2006, Health and Safety Plan (HASP), Groundwater Well Installation, Boeing Realty Corporation Former C-6 Facility, Los Angeles, California.

Camp Dresser & McKee Inc., February 14, 2006, Pre-Remediation Workplan, Boeing Realty Corporation, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California.

Camp Dresser & McKee Inc., August 7, 2006, Pre-Remediation Implementation Workplan, Boeing Realty Corporation, Former C-6 Facility, 19503 South Normandie Avenue, Los Angeles, California.

Camp Dresser & McKee Inc., September 15, 2006, Technical Memorandum - Proposed Groundwater Extraction and Injection Wells for Pre-Remediation Testing and Pilot-Scale Testing, Remediation of Volatile Organic Compounds, Former C-6 Facility, Los Angeles, California.

Camp Dresser & McKee Inc., September 25, 2006, Technical Memorandum - Addendum No. 1 to the May 9, 2006 RFP, Additions and Clarifications, Extraction/Injection/Observation Well Construction, Former C-6 Facility, Los Angeles, California.

Haley & Aldrich, Inc., May 9, 2006, Request for Proposal, Installation of Two Groundwater Extraction Wells, Former C-6 Facility, Los Angeles, California.

Tables

AVOCET
ENVIRONMENTAL, INC.

Table 1
Well Construction Details
Boeing Realty Corporation Former C-6 Facility
Los Angeles, California

Well I.D.	Water-Bearing Unit	Northing[1]	Easting[1]	Elevation (feet amsl)[2]	Boring Depth (feet bgs)	Conductor Casing Depth (feet bgs)	Screened Interval (feet bgs)	Filter Pack Interval (feet bgs)	Bentonite Chip Seal Inteval (feet bgs)	Grout Seal Inteval (feet bgs)	Casing Diameter (inches)	Casing Type	Slot Size (inches)	Date Installed
EWC002	C-Sand	1768367.68	6470266.69	51.76	125	85	96 - 121	93 - 123	88 - 93	3 - 88	4	Sch 80 PVC	0.02	10/20/06
MWC024	C-Sand	1768408.81	6470265.98	51.64	125	81	96 - 121	93 - 122.5	89 - 93	3 - 89	4	Sch 80 PVC	0.02	10/26/06
IWC002	C-Sand	1768669.11	6470239.20	51.56	125	82	96 - 116	93 - 118.5	88.5 - 93	3 - 88.5	4	Sch 80 PVC	0.02	10/31/06
IWC001	C-Sand	1768452.84	6470121.09	53.60	125	78.5	95 - 115	92 - 118	88.5 - 92	3 - 88.5	4	Sch 80 PVC	0.02	11/02/06
EWC001	C-Sand	1769705.98	6470359.29	52.59	125	87	97 - 122	94 - 123	90 - 94	3 - 90	4	Sch 80 PVC	0.02	11/08/06
EWB001	B-Sand	1769603.92	6470380.97	53.01	90	NA	59.2 - 89.2	56 - 90	53 - 56	3 - 53	6	Sch 80 PVC	0.02	11/09/06

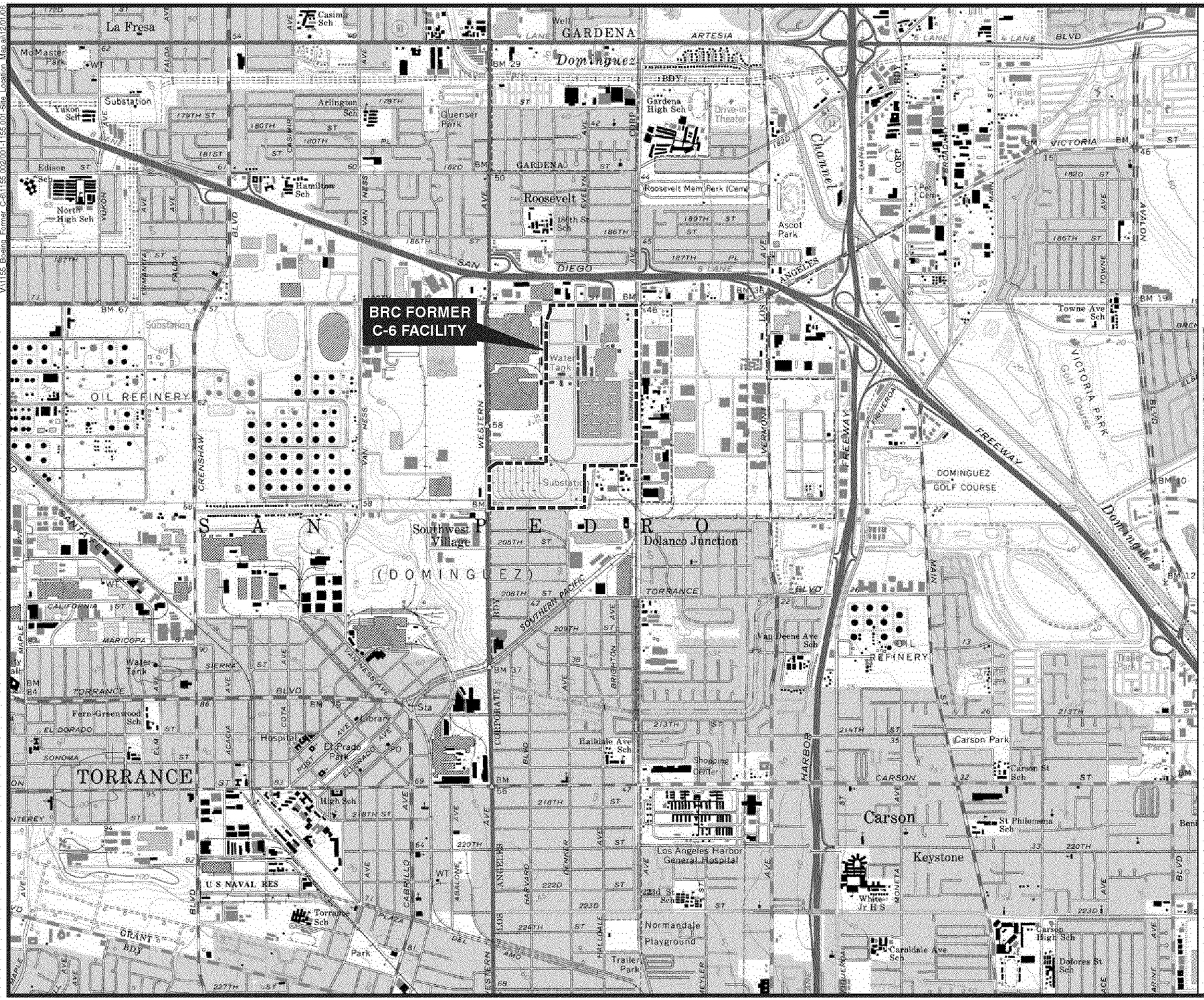
Notes: (1) The North American Datum of 1983 (NAD83, Zone 5, 2002.00 Epoch, Feet) was used for the horizontal adjustments
(2) The National Geodetic Vertical Datum of 1988 (NGVD88, feet above mean sea level [feet amsl]) was used for the vertical adjustments.

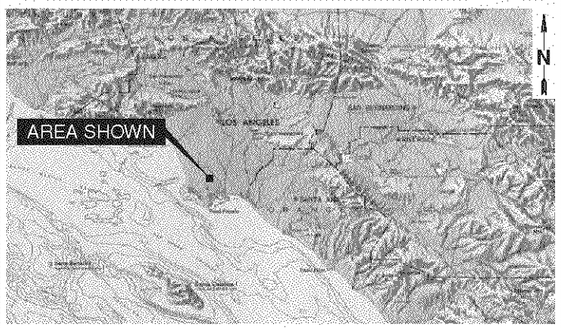
AVOCET ENVIRONMENTAL, INC.

Figures

AVOCET
ENVIRONMENTAL, INC.

V11156_Boeing_Former_C-6\11156.002\001-1156.001-Site Location Map.ai\12/01/06





SITE VICINITY MAP

NOT TO SCALE

REFERENCE:
7.5 MINUTE U.S.G.S. TOPOGRAPHIC
MAP OF TORRANCE, CALIFORNIA
DATED: 1964
PHOTOREVISED: 1981

0 2000 4000 FEET
APPROXIMATE SCALE

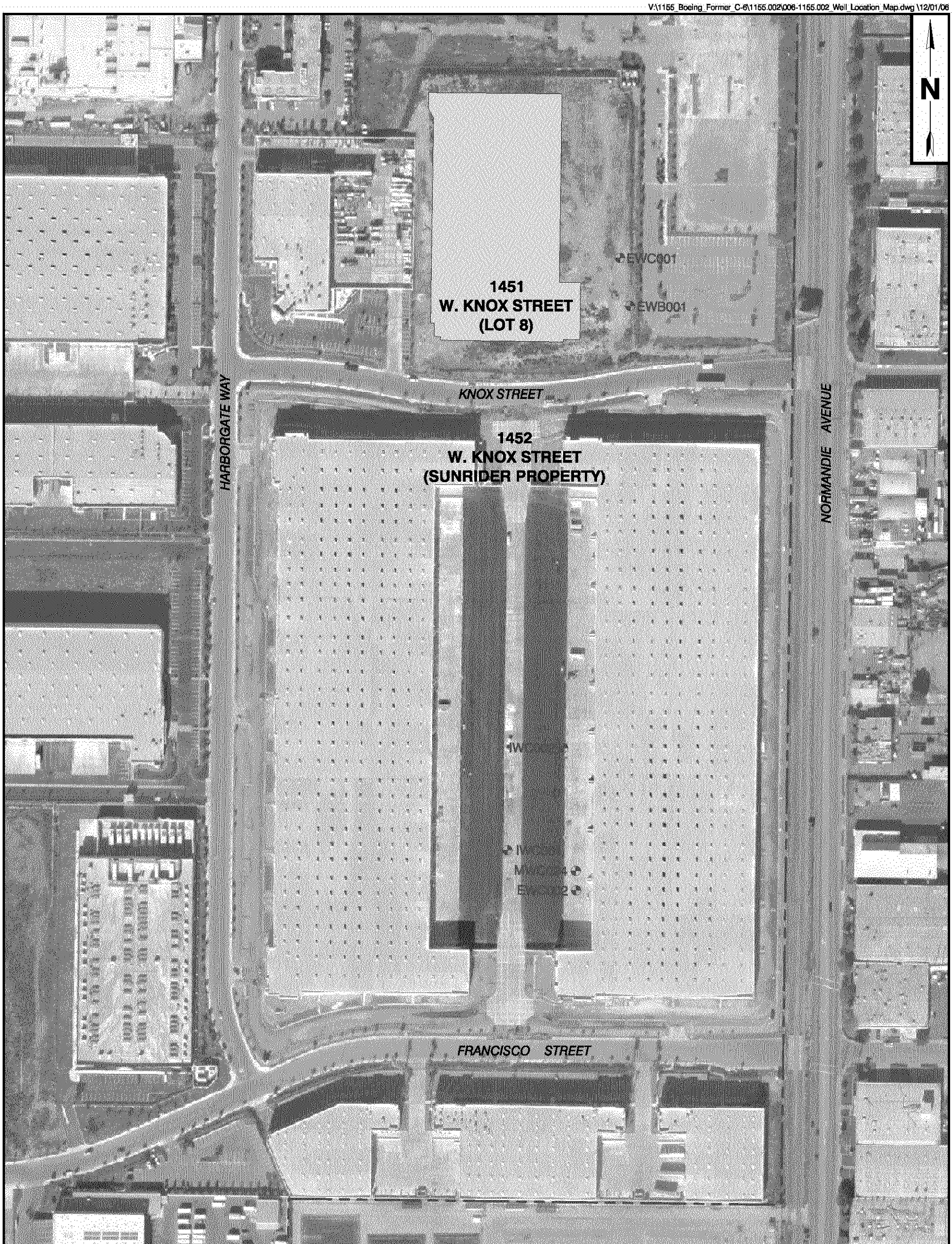
FIGURE 1

SITE LOCATION MAP

FORMER BRC C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

V:\1155_Boeing_Former_C-6\1155.002\006-1155.002_Well_Location_Map.dwg \12/01/06



REFERENCE:
U.S.G.S. AERIAL PHOTOGRAPH.
DATED: 03/29/2004

0 200 400 FEET
SCALE

LEGEND

EWC001	APPROXIMATE WELL LOCATION
— — —	FORMER C-6 FACILITY BOUNDARY

FIGURE 2

WELL LOCATION MAP

BRC FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

Appendix A

Well Construction Permit

AVOCET
ENVIRONMENTAL, INC.

WELL PERMIT APPLICATION - NON-PRODUCTION WELLS
WATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE 10/4/06

✓ NEW WELL CONSTRUCTION	✓ MONITORING	___ HEAT EXCHANGE
___ RECONSTRUCTION OR RENOVATION	___ CATHODIC	___ Hydropunch
___ DECOMMISSIONING	___ INJECTION	___ C.P.T. For Ground Water Sampling
___ OTHER: ___	___ EXTRACTION	___ Other: (Specify) : ___

WELL LOCATION

SITE ADDRESS: 1451 + 1452 W. KNOX. STREET	CITY: LOS ANGELES	ZIP CODE: 90501
Nearest Intersection: NORMANDIE AVE. + W. 190th ST.		Thomas Bros. Page / Grid: 763 J3
NO. OF WELLS IN EACH PARCEL: 6	Attach site map with well locations: (SEE ATTACHED MAP)	

WELL STRUCTURE

Total Depth, Size and Depth of Well Casing	SEE ATTACHED TABLE
Sanitary / Annular Sealing Material	" " "
Depth of Sanitary / Annular Seal	" " "
Conductor Casing Seal	N/A

CONSULTANT

Company	AVOLET ENVIRONMENTAL
Contact Person	MICHAEL RENDINA
Address	16 TECHNOLOGY DR., Suite 154
City, State Zip Code	IRVINE, CA 92618
Telephone	949 933 6031

OWNER DRILLER INFORMATION

Well Owner	BOEING REALTY CORP.
Address	4900 E. CONANT ST., Bldg 1
City / Zip Code	LONG BEACH, CA 90808
Telephone	(562) 733-2229
Well Driller	CASCADE DRILLING, INC.
Address	11250 E. FIRESTONE BLVD.
City / Zip Code	NORWALK, CA 90650
C-57 License No.	717510
Telephone	(526) 929-8176

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

WELL DECOMMISSIONING

Well Depth Log / Records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT

WORK PLAN APPROVAL
This Approval is Valid for 180 Days

Date	R.E.H.S.
Conditions	

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and with in thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

Michael A Rendina P.G. #4573
Applicant's Signature

Applicant Name: (Print) MICHAEL A. RENDINA

Fax Number: 949 296 0978

NOTICE

This well permit approval is limited to compliance with the California well standards and the Los Angeles County Health and Safety Code and does not grant any rights to construct, reconstruct, or decommission any well. Applicant is responsible for securing all other permits necessary to perform the work.

76A668-A
H-13 (Rev. 05/042006)

WELL LOCATION (ADDRESS) 1451 + 1452 W. Knox. St.	CITY Los Angeles, CA	ZIP CODE 90501
Anticipated Start Date: 10/17/06	Anticipated End Date: 11/1/06	
Additional Contact Persons in Case of Emergency	Philip Miller	Telephone 949 933 6380
	Robert Van Hynigh	949 933 4905

GENERAL LOCATION SKETCH
Provide site specific information on Well Construction Location Detail Sheet
SEE ATTACHED MAP.

Work Plan Details
SEE ATTACHED WORKPLAN

WELL DECOMMISSIONING DIAGRAM	

Notes / Comments (Department Use Only)

SERVICE APPLICATION REQUEST AND FEE COLLECTION
COUNTY OF LOS ANGELES – DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH
SERVICE REQUEST APPLICATION

INSTRUCTIONS

1. Check the TYPE OF SERVICE requested and attach the required non-refundable fee to the application. Make the money order or check payable to LOS ANGELES COUNTY TREASURER, DO NOT SEND CASH. This application is nontransferable.

FEE REQUIRED*		TYPE OF SERVICE
$ 1146.00	☑	MONITORING WELL CONSTRUCTION/DECOMMISSIONING Please complete and attach a Non-Production Well-Well Permit Application.
	☐	WELL CONSTRUCTION, RENOVATION OR DECOMMISSIONING PERMIT Complete and attach a Well-Well Permit Application
	☐	PRIVATE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT
	☐	PRIVATE SEWAGE DISPOSAL RENOVATION / EXPANSION
	☐	INSPECTION OF MOUNTAIN CABIN SITE as required by the United States Forest Service
	☐	SEPTIC TANK REPLACEMENT
	☐	INSPECTION OF EXISTING PRIVATE SEWAGE SYSTEM
	☐	WATER SUPPLY TEST AND CERTIFICATION as required by U.S. Department of Agriculture
	☐	WELL YIELD TEST PERMIT
	☐	COASTAL COMMISSION APPROVAL IN CONCEPT

* Refer to Schedule of Fees for the current fiscal year. Field personnel cannot accept fees.

2. Check with the Contact Office stamped below for requirements or information

3. Deliver the completed application, money order or check with the forms indicated to:

County of Los Angeles
Mountain and Rural Program / Water, Sewage, & Subdivision Program
5050 Commerce Drive, Baldwin Park, CA 91706
(626) 430-5380 FAX (626) 813-3016
www.lapublichealth.org/eh/progs/envirp/ehmount.htm

4. Phone Contact Office noted below, after you have received your receipt, to request an inspection.

Service/ Job Location	Address	City	State	Zip	Date
1451 + 1452	Knox Street,	Los Angeles	CA	90501	10/18/06

Owner / Applicant Name	Address/Zip	Phone No.
Boeing Realty Corp.	4900 E. Conant St., Long Beach CA 90808	(562) 929-8176

Contractor's Name	Address/Zip	Phone No.
Avocet Environmental, Inc.	16 Technology Dr., Suite 154 Irvine, CA	949 933 6031

Co. Engineer Plan Check No. _____ Tract no. _____ Lot No. _____ No. Bedrooms _____ Fixture Unit Count _____
(Complete the line above for Private Sewage Disposal System Construction or Renovation Application)

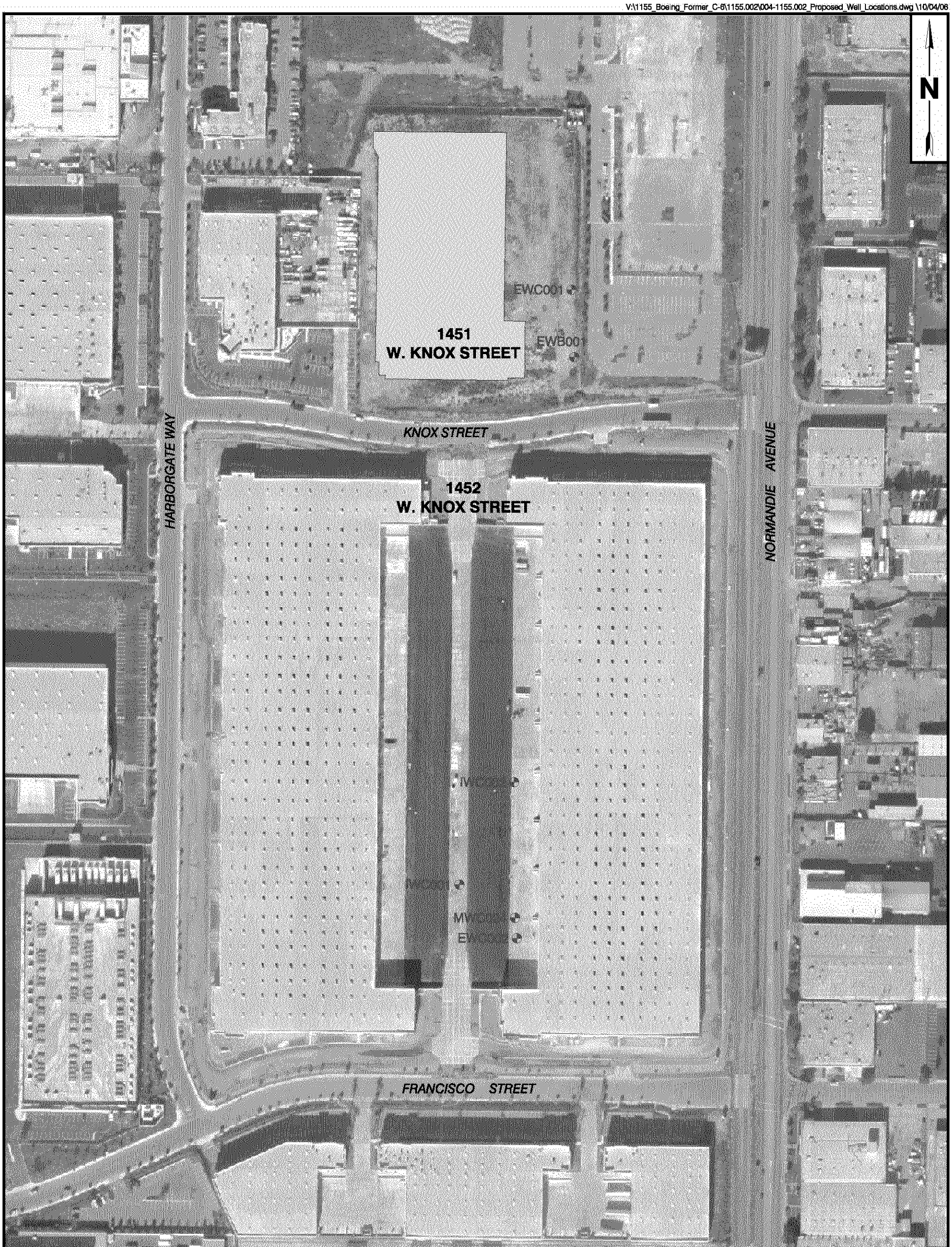
CONTACT OFFICE	DEPARTMENT STAMP

Table of Well Completion Information
Harbor Gateway
Los Angeles, California

Well	Maximum Depth (feet bgs)	Casing Diameter[1] (inches)	Screen Interval[2] (feet bgs)	Screen Length (feet)	Filter Pack (feet bgs)	Annular Seal[3] (feet bgs)
EWB001	90	6	55 - 90	35	52 - 90	0 - 52
EWC001	120	4	90 - 120	30	87 - 120	0 - 87
EWC002	130	4	95 - 125	30	92 - 120	0 - 92
IWC001	130	4	95 - 125	30	92 - 120	0 - 92
IWC002	130	4	95 - 125	30	92 - 120	0 - 92
MWC024	130	4	95 - 125	30	92 - 120	0 - 92

Notes:
(1) Casing to consist of Schedule 80 PVC, joined with flush threads with O-ring seals.
(2) Screen to consist of Schedule 80 PVC with a 0.02-inch slot size. The filter pack shall extend 3 feet above the top-of-screen, consist of #3 Monterey sand, and be sealed with a 2-foot plug of coated bentonite pellets.
(3) Sanitary (annular) seal to consist of 2 feet of coated bentonite pellets with the remainder of the annulus backfilled with Portland cement grout with approximately 4 percent bentonite powder added by weight.

V:\1155_Boeing_Former_C-6\1155.002\004-1155.002_Proposed_Well_Locations.dwg \10/04/06



0 200 400 FEET
SCALE

LEGEND

EWC001 PROPOSED WELL LOCATION

FIGURE 1

PROPOSED WELL LOCATIONS

HARBOR GATEWAY PROJECT
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.

WELL PERMIT APPLICATION - NON-PRODUCTION WELLS
WATER & SEWAGE / MOUNTAIN & RURAL PROGRAMS - ENVIRONMENTAL HEALTH DIVISION
5050 COMMERCE DRIVE BALDWIN PARK, CA 91706 (626) 430-5380 FAX (626) 813-3016

DATE 10/4/06

✓ NEW WELL CONSTRUCTION
___ RECONSTRUCTION OR RENOVATION
___ DECOMMISSIONING
___ OTHER: ___

✓ MONITORING
___ CATHODIC
___ INJECTION
___ EXTRACTION

___ HEAT EXCHANGE
___ Hydropunch
___ C.P.T. For Ground Water Sampling
___ Other: (Specify): ___

SITE ADDRESS: 1451 + 1452 W. KNOX STREET	CITY: LOS ANGELES	ZIP CODE: 90501
Nearest Intersection: NORMANDIE AVE. + W. 190th St.	Thomas Bros. Page / Grid: 763 J3	
NO. OF WELLS IN EACH PARCEL: 6	Attach site map with well locations: (SEE ATTACHED MAP)	

Total Depth, Size and Depth of Well Casing	SEE ATTACHED TABLE
Sanitary / Annular Sealing Material	" " "
Depth of Sanitary / Annular Seal	" " "
Conductor Casing Seal	N/A

Company	AVOLET ENVIRONMENTAL
Contact Person	MICHAEL RENDINA
Address	16 TECHNOLOGY DR., Suite 154
City, State Zip Code	IRVINE, CA 92618
Telephone	949 933 6031

Well Owner	BOEING REALTY CORP.
Address	4900 E. CONANT ST., Bldg 1
City / Zip Code	LONG BEACH, CA 90808
Telephone	(562) 733-2229
Well Driller	CASCADE DRILLING, INC.
Address	11250 E. FIRESTONE BLVD.
City / Zip Code	NORWALK, CA 90650
C-57 License No.	717510
Telephone	(526) 929-8176

IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED IN THE FIELD ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THIS OFFICE, WORK PLAN MODIFICATIONS MAY BE REQUIRED

Well Depth Log / Records	
Method of Well Assessment	
Depth and Number of Perforations	
Type of Perforator Size of Perforations	
Type and Amount of Sealant	
Method of Upper Seal Pressure Application	

DISPOSITION OF PERMIT (Department Use Only)
THIS PERMIT IS CONSIDERED COMPLETE WHEN THE WORK PLAN IS APPROVED AND WHEN THE WELL COMPLETION LOG IS RECEIVED. NO WELL CONSTRUCTION OR DECOMMISSIONING CAN BE INITIATED WITHOUT THE WORK PLAN APPROVAL FROM THIS DEPARTMENT

Date 10/6/06 R.E.H.S. Michael Lui

Conditions ON 10/6/06 # 1146 WERE PAID FOR PERMIT # 7212 TO CONSTRUCT EWB001, EWC001, EWC002, IWC001, IWC002 AND MWC024. TOTAL OF SIX WELLS TO BE DRILLED ON 10-17-06 TILL 11/1/06

For Final Inspection
Call Michael Lui
(626) 430-5398
8 a.m. to 10 p.m.

I hereby agree to comply in every respect with all the regulations of the County Environmental Health Division and with all ordinances and laws of the County of Los Angeles and the State of California pertaining to well construction, reconstruction and decommissioning. Upon completion of the well and with in thirty days thereafter, I will furnish the Environmental Health office with a completion log of the well giving date drilled, depth of the well, perforations in the casing, and any other data deemed necessary by County Environmental Health Division.

Michael A. Rendina P.G. #4573
Applicant's Signature

Applicant Name: (Print) MICHAEL A. RENDINA

Fax Number: 949 296 0971

NOTICE

This well permit approval is limited to compliance with the California well standards and the Los Angeles County Health and Safety Code and does not grant any rights to construct, reconstruct, or decommission any well. Applicant is responsible for securing all other permits necessary to perform the work.

76wd08.A
H-13 (Rev. 05/04/2006)

Appendix B

Boring Logs

AVOCET
ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWB001

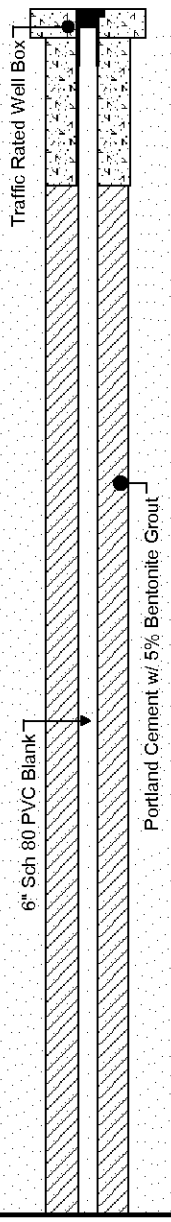
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/7/06
Date Completed: 11/9/06
Northing: 1769603.92
Easting: 6470380.97
Elevation: 53.01 Feet
Boring Depth: 90 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
0							3" Asphalt
							6" Gravelly Base
2						CL	Dark yellowish brown (10YR 4/4), SILTY CLAY, slightly moist, firm, plastic.
							;debris - concrete red brick.
4				0.0			
6							;debris - concrete red brick.
							;debris - large concrete pieces.
8						ML	Brown (10YR 4/3), SANDY SILT, moist, firm, very fine-grained, little clay.
10				0.0			
12				0.0		CL	Very dark grayish brown (10YR 3/2), SILTY CLAY, moist, stiff, plastic, little very fine-grained sand, trace fine gravel.
14				0.0		ML	Dark yellowish brown (10YR 3/4), SILT, moist, firm, little to some very fine-grained sand, little clay.
16							
18				0.0			
20							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWB001

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/7/06
Date Completed: 11/9/06
Northing: 1769603.92
Easting: 6470380.97
Elevation: 53.01 Feet
Boring Depth: 90 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0				
22								
				1.2				
24						ML	Dark yellowish brown (10YR 3/4), SILT, moist, firm, little to some very fine-grained sand, little clay.	
26				0.0				
28				0.0		SM	Brown (10YR 5/3), SILTY SAND, moist, poorly graded, very fine-grained.	
30								
				0.0		ML	Dark yellowish brown (10YR 4/4), SILT, moist, firm to stiff, little very fine-grained sand.	
32								
34				0.0				
36						SM	Brown (10YR 5/3), SILTY SAND, moist, poorly graded, very fine-grained.	
38				0.0				
40								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWB001

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
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Sampling Method: NA
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Northing: 1769603.92
Easting: 6470380.97
Elevation: 53.01 Feet
Boring Depth: 90 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0				
42				0.0		SM	Brown (10YR 5/3), SILTY SAND, moist, poorly graded, very fine-grained.	
44				0.0				
						SP	Grayish brown (10YR 5/2), SAND, moist, poorly graded, very fine-grained.	
46				0.0				
						CL	Brown (10YR 4/3), SANDY CLAY, moist, firm to stiff, plastic, very fine-grained sand.	
48				0.0		SM	Brown (10YR 4/3), SILTY SAND, moist, poorly graded, very fine-grained.	
50				0.0		SP	Yellowish brown (10YR 5/8), SAND, moist, poorly graded, fine-grained, scattered shell fragments.	
52				0.0		SW	Dark yellowish brown (10YR 4/4), GRAVELLY SAND, moist, well graded or bi-modally graded, fine-grained sand, fine sub-rounded gravel, scattered cobbles.	
54				0.0		ML	Dark yellowish brown (10YR 4/4), SILT, moist, firm, little to some very fine-grained sand.	Bentonite Pellets
56				0.4		ML/CL	Olive brown (2.5Y 4/3), SILTY CLAY/CLAYEY SILT, moist, stiff to hard in zones, plastic, oxidation staining in dark veins, some areas with greater silt, some greater clay content.	
58				0.0		ML	Transition to SANDY SILT. Light olive brown (2.5Y 5/3), SANDY SILT, very moist to wet, firm, little to some very fine-grained sand, trace clay.	
60								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWB001

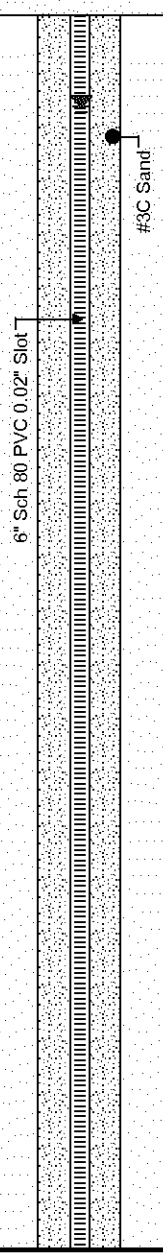
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/7/06
Date Completed: 11/9/06
Northing: 1769603.92
Easting: 6470380.97
Elevation: 53.01 Feet
Boring Depth: 90 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				1.2			Groundwater encountered approximately 61.5 feet.
62				2.6		SM	Light olive brown (2.5Y 5/3), SILTY SAND, wet to saturated, poorly graded, very fine-grained, faint oxidation staining.
64				1.0		ML	Light olive brown (2.5Y 5/3), SANDY SILT, wet, firm, very fine-grained sand, micaceous.
66				0.6			
68				1.4		ML	SILT, no sand, very stiff.
						ML	Light olive brown (2.5Y 5/3), SANDY SILT, wet, firm, very fine-grained sand, micaceous.
70				2.2		ML	SILT, no sand, very stiff.
72				4.2		ML	Light olive brown (2.5Y 5/3), SANDY SILT, wet, firm, very fine-grained sand, micaceous. ;dark oxidation staining in veins.
74				1.5		SP	Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, very fine- to fine grained.
76				6.5		ML / SP	Olive brown (2.5Y 4/3), SILT, moist, stiff, oxidation staining in veins.
				0.6		ML	Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, very fine- to fine grained.
78				11.6		SP	Olive brown (2.5Y 4/3), SILT, moist, stiff. Dark grayish brown (2.5Y 4/2), SAND, saturated, poorly graded, fine-grained.
80							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

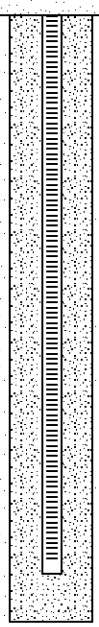
MONITORING WELL No. EWB001

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/7/06
Date Completed: 11/9/06
Northing: 1769603.92
Easting: 6470380.97
Elevation: 53.01 Feet
Boring Depth: 90 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
82				5.6		SP	Dark grayish brown (2.5Y 4/2), SAND, saturated, poorly graded, fine-grained.	
84				2.4			Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, very fine- to fine-grained.	
86				5.5		SM	Olive brown (2.5Y 4/3), SILTY SAND, wet, stiff, poorly graded, very fine-grained sand.	
				6.2		SP	Light olive brown (2.5Y 5/6), SAND, saturated, poorly graded, fine-grained.	
88						ML	Olive brown (2.5Y 4/3), SILT, moist, very stiff, slightly plastic, some clay.	
						SP	Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, fine-grained.	
				9.2		ML	Olive brown (2.5Y 4/3), SILT, moist, stiff, little clay, oxidation staining in thin laminations.	
90								
92								
94								
96								
98								
100								



Well Detail

0 to 59.2	6" Sch 80 PVC Blank
59.2 to 89.2	6" Sch 80 PVC 0.020 Slot
0 to 3	Concrete with Traffic Rated Well Box
3 to 53	Portland Cement w/ 5% Bentonite Grout
53 to 56	Bentonite Pellets
56 to 90	#3C Sand

Notes: Boring total depth 90 feet. Groundwater encountered at approximately 61.5 feet. Boring completed as a groundwater monitoring well.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

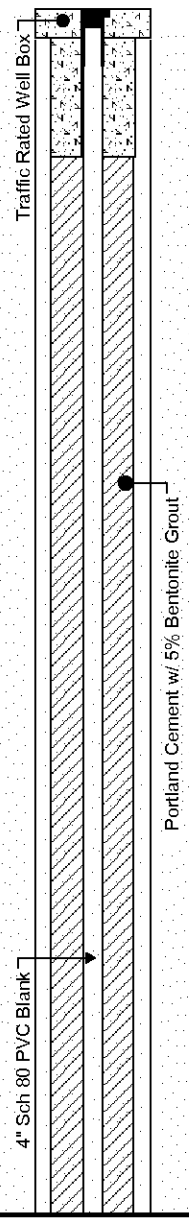
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/2/06
Date Completed: 11/7/06
Northing: 1769705.98
Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
0							7" Concrete
2						CL	Brown (10YR 4/3), CLAY, moist, hard, plastic, some silt and very fine-grained sand. Note: Concrete and red brick debris.
4				0.0		ML	Dark yellowish brown (10YR 4/4), SILT, moist, hard, some very fine-grained sand, concrete and red brick debris.
6						CL	Dark brown (10YR 3/3), CLAY, moist, very stiff, plastic, some silt and very fine-grained sand.
8							
10				0.0			
12						ML	Brown (10YR 4/3), SILT, moist, hard, some clay, some very fine-grained sand.
14				0.0			
16							
18							
20							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

Logged By: Micheal Lewis
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Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0		ML	Brown (10YR 4/3), SILT, moist, stiff, some very fine-grained sand.	
				1.5				
22								
24				0.0				
26								
				0.0				
28								
30				0.0				
						CL	Brown (10YR 4/3), SILTY CLAY, moist, very stiff, plastic, little very fine-grained sand.	
32				1.2				
34								
				3.6		ML	Brown (10YR 4/3), SILT, moist, stiff, very slightly plastic, little clay, some very fine-grained sand.	
36								
38				0.0			Dark yellowish brown (10YR 4/4), SANDY SILT, moist, stiff, very fine-grained.	
40								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/2/06
Date Completed: 11/7/06
Northing: 1769705.98
Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
42				0.0		SM	Dark yellowish brown (10YR 4/4), SILTY SAND, moist, firm, poorly graded, very fine-grained, faint oxidation staining in veins.	
44				0.0				
46						SM	Olive brown (2.5Y 4/3), SILTY SAND, very moist, firm, very fine-grained, oxidation staining in veins and nodules.	
48				0.0		SW	Dark yellowish brown (10YR 4/6), GRAVELLY SAND, moist, bimodally graded, fine-grained sand, some fine to medium gravel.	
50				0.0				
52				0.6		CL	Yellowish brown (10YR 5/4), CLAY, moist, firm, plastic, little silt and very fine-grained sand.	
54				1.5		ML	Olive brown (2.5Y 4/3), SILT, moist, stiff, slightly plastic, little to some clay.	
56				1.1		SP	Groundwater encountered apporximatley 56 feet. Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, very fine-grained, trace to little silt.	
58				4.9				
60								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/2/06
Date Completed: 11/7/06
Northing: 1769705.98
Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				1.4				
62				10.0		ML	Olive brown (2.5Y 4/3), SILT, moist, firm to stiff with very fine-grained sand, dark oxidation staining in veins.	
64				7.6		SP	Olive brown (2.5Y 4/3), SAND with SILT, wet, poorly graded, very fine-grained, trace to little silt, micaceous.	
66				26.3		ML	Olive brown (2.5Y 4/3), SILT, very moist, stiff, little to some very fine-grained sand, faint oxidation staining.	
68				5.0				
70				3.4				
72				1.0				
74				12.8		CL	Olive brown, CLAY, moist, hard, with silt, oxidation staining.	
76						SP	Dark grayish brown (2.5Y 4/2), SAND, saturated, poorly graded, very fine- to fine-grained.	
78				11.7				
80								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

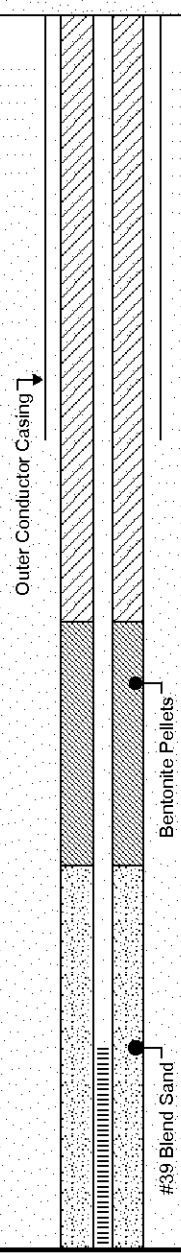
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/2/06
Date Completed: 11/7/06
Northing: 1769705.98
Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				1.6		SP	Dark grayish brown (2.5Y 4/2), SAND, saturated, poorly graded, very fine- to fine-grained.
82				5.3		ML	Olive brown (2.5Y 4/4), SILT, moist, stiff to hard, little very fine-grained sand.
84				13.0		SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, fine-grained.
86				18.2		ML	Olive brown (2.5Y 4/3), SILT, moist, stiff, little to some very fine-grained sand, micaceous, oxidation staining in veins.
88				13.6		SP	Note: Outer conductor casing set at 87 feet. Install bentonite pellet seal. Continue drilling with inner casing. Light olive brown (2.5Y 5/3), SAND, saturated, poorly graded, very fine- to fine-grained.
90				4.9			Light olive brown (2.5Y 5/3), SAND, saturated, poorly graded, fine-grained, abundant shell fragments.
92				27.6		SM	Olive brown (2.5Y 4/3), SILTY SAND, wet, poorly graded, very fine-grained, oxidation staining throughout.
94				15.6		SP	Light olive brown, (2.5Y 5/4), SAND, saturated, poorly graded, fine-grained, abundant shell fragments, oxidation staining.
96				26.5		CL	Olive brown (2.5Y 4/3), SILTY CLAY, moist, very stiff to hard, oxidation staining in veins.
98				8.5		SP	Olive yellow, (2.5Y 6/6), SAND, saturated, fine-grained, shelly debris, 50% to 60% shell fragments. ;as above, poorly graded, little silt, shell fragments throughout. ;as above, wet, very fine-grained, little silt, shell fragments and oxidation staining.
100							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

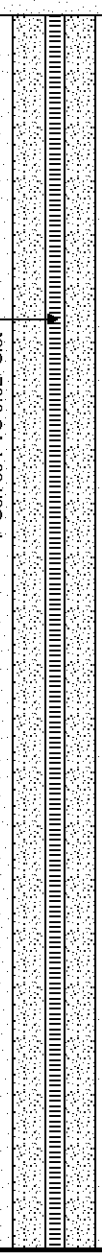
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/2/06
Date Completed: 11/7/06
Northing: 1769705.98
Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				25.6			
102				1.8		CL	Olive brown (2.5Y 4/3), CLAY, moist, hard, plastic, some shell fragments, few indurated nodules 1/4" to 1/2".
						SP	Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, fine-grained, dark oxidation staining at upper contact, shells throughout.
104				42.0		GW	Dark grayish brown (2.5Y 4/2), GRAVEL, saturated, well graded, fine to coarse sub-angular gravel, with sand and shells.
106				59.6		SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, very fine- to fine-grained, trace silt, no shells.
108				116.0		SM	Dark grayish brown (2.5Y 5/6), SILTY SAND, saturated, stiff, poorly graded, very fine-grained, micacous.
110				97		SP	Light olive brown (2.5Y 5/6), SAND, saturated, poorly graded, fine-grained, faint oxidation staining.
112				14.5		SM	Dark grayish brown (2.5Y 4/2), SILTY SAND, wet, poorly graded, very fine-grained, little to some silt, micaceous.
114				17.1			
116				5.4		SP	Dark grayish brown (2.5Y 4/2), SAND, saturated, poorly graded, fine-grained.
118				132			
120							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC001

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 11/2/06
Date Completed: 11/7/06
Northing: 1769705.98
Easting: 6470359.29
Elevation: 52.59 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				2.7		SM	Dark grayish brown (2.5Y 4/2), SILTY SAND, wet to saturated, poorly graded, very fine-grained, micaceous.	
122				0.0				
124				0.4				Cave
126								
128							Well Detail 0 to 97 — 4" Sch 80 PVC Blank 97 to 122 — 4" Sch 80 PVC 0.020 Slot 0 to 2.5 — Concrete with Traffic Rated Well Box 2.5 to 90 — Portland Cement w/ 5% Bentonite Grout 90 to 94 — Bentonite Pellets 94 to 123 — #39 Blend Sand	
130								
132								
134								
136								
138								
140								

Notes: Boring total depth 125 feet. Groundwater encountered at approximately 56 feet. Boring completed as a groundwater monitoring well.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

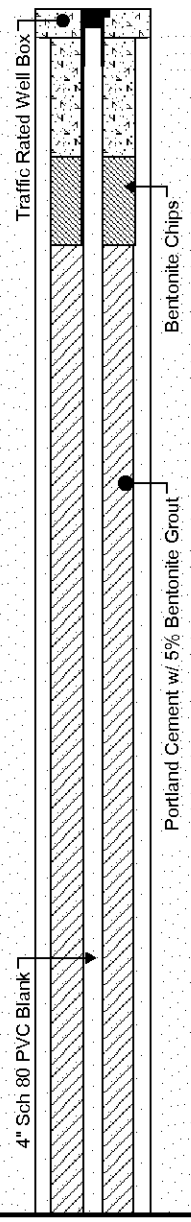
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
0							8" Concrete
2						ML/CL	Brown (10YR 4/3), CLAYEY SILT/SILTY CLAY, moist, stiff, plastic, little fine-grained sand. Brick and concrete debris - reworked - base. Note: Brick and concrete debris.
4							
6							
8						ML	Brown (10YR 4/3), SILT, moist, stiff, trace clay, little fine-grained sand.
10							
12				0.0			
14							
16				0.0		ML	Grayish brown (10YR 5/2), SILT, moist, firm, some very fine-grained sand.
18							
20							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0		CL	Dark grayish brown (10YR 4/2), CLAY, moist, stiff to hard, moderately plastic, little silt and fine sand, few caliche nodules.	
22				0.0		SM	Yellowish brown (10YR 5/4), SILTY SAND, moist, poorly graded, fine- to very fine-grained.	
24								
26								
28								
30				0.0		CL	Brown (10YR 4/3), CLAY, moist, plastic, firm, some silt, trace fine-grained sand.	
32							Light yellowish brown (10YR 5/4), SAND, moist, poorly graded, fine- to very fine-grained, little silt.	
34						SP	Yellowish brown (10YR 5/6), SAND, moist, poorly graded, fine-grained	
36								
38				0.0			Light yellowish brown (10YR 5/4), SAND, slightly moist, poorly graded, fine- to very fine-grained, little silt.	
40								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
42						SP		
44				0.0		ML	Olive brown (2.5Y 4/4), SILT, moist, firm, little fine-grained sand, oxidation stained veinlets throughout.	
46								
48				0.0				
50							;as above with 30% fine-grained sand.	
52				0.0		SP	Brown (10YR 4/3), SAND, moist, dense, poorly graded, fine- to very fine-grained, trace silt.	
54				0.0		ML	Dark yellowish brown (10YR 4/4), SILT, moist to very moist, firm, some very fine-grained sand, trace clay, micaceous.	
56						SM	Dark yellowish brown (10YR 4/4), SILTY SAND, moist, dense, poorly graded, very fine-grained, micacous.	
58				0.0		ML	Light olive brown (10YR 5/4), SILT, moist, firm, little very fine-grained sand, trace clay.	
60								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0		SM	Light olive brown (2.5Y 5/4), SILTY SAND, moist, poorly graded, very fine-grained.	
62				1.4				
64							Light olive brown (2.5Y 5/4), SILTY SAND, very moist, thin interbeds of fine-grained sand.	
				0.0		ML	Olive brown (2.5Y 4/3), SILT, very moist to wet, micaceous, trace clay.	
66						SP	Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained, little silt. Groundwater encountered at approximately 67 feet.	
				0.7			Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, fine-grained, oxidation staining, thin zone of saturation.	
68				0.0				
				0.0				
70							;as above, wet, poorly graded, fine-grained.	
							;as above.	
72				0.0				
						SM	Olive brown (2.5Y 4/4), SANDY SILT/SILTY SAND, moist to very moist, stiff, very fine-grained sand, thin silt interbeds approximately 4" thick.	
74				0.0				
						SP	Olive brown (2.5Y 4/4), SAND, very moist, poorly graded, fine-grained.	
76				0.3		ML	Olive brown, SILT, very moist, firm, some very fine-grained sand, some oxidation staining, micacous.	
78						SM	Olive brown (2.5Y 4/4), SILTY SAND, very moist, stiff, very fine- to fine-grained, some oxidation staining in veinlets.	
80								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
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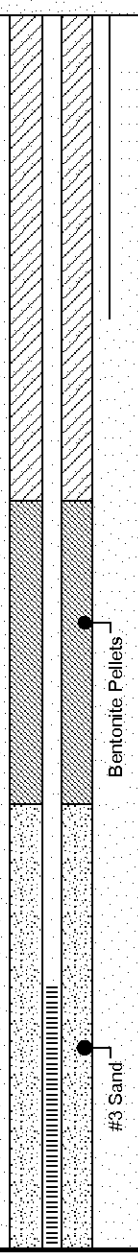
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
						ML	Olive brown (2.5Y 4/4), SILT, moist to very moist, firm, little fine-grained sand, some clay.
82				0.0		SP	Olive brown (2.5Y 4/3), SAND, wet to saturated, poorly graded, fine-grained, 15% medium-grained, some zones with silt, oxidation staining (faint), shells at 83 feet.
84				0.0		ML	Light olive brown (2.5Y 5/4), CLAYEY SILT, moist, stiff, crumbly with abundant shells. Note: Outer conductor casing set at 85 feet. Install bentonite pellet seal. Continue drilling with inner casing.
86						SM	Light olive brown (2.5Y 5/3), SILTY SAND, very moist, poorly graded, fine-grained, little clay, abundant shells and shell fragments throughout.
88						SP	Light olive brown, (2.5Y 5/4), SAND, wet, poorly graded, fine-grained, faint oxidation staining.
90				0.0		CL	Olive brown (2.5Y 5/4), CLAY, moist, firm, approximately 6" thick, plastic, oxidation staining in thin layers.
92				0.0		SP	Light olive brown, (2.5Y 5/4), SAND, wet, poorly graded, fine-grained, oxidation staining in layers.
94				0.0		CL	Olive brown (2.5Y 4/3), CLAY, moist, firm to stiff, plastic, some silt, oxidation staining in thin layers.
96				0.0		SP	Light olive brown, (2.5Y 4/3), SAND, wet to saturated, poorly graded, fine-grained.
98				0.0		CL	Olive brown (2.5Y 4/4), CLAY, moist, stiff, plastic, some silt, little oxidation staining.
100							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

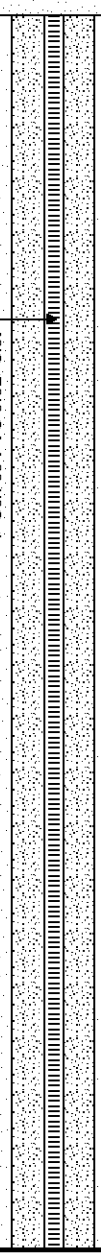
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
						SM	Olive brown, SILTY SAND, little clay.
				0.0		CL	Olive brown (2.5Y 4/4), CLAY, moist, stiff, plastic.
102							
104				0.0		SP	Light olive brown, (2.5Y 4/3), SAND, wet, poorly graded, fine-grained, 5% medium-grained, abundant small shell fragments throughout.
106						CL	Olive brown (2.5Y 4/4), CLAY with SILT, moist, stiff, slightly plastic, oxidation staining in thin layers.
108				0.0		SP	Light olive brown, (2.5Y 4/3), SAND, wet, poorly graded, fine-grained, no shells, fining graduationally upward over 6" into overlying clay. ;as above, very fine-graned, little silt.
110				0.0			
112						SW	4" Layer of GRAVELLY SAND, bi-modally graded fine sand with medium to large subanglular gravel, oxidation staining.
114				0.0		SP	Light olive brown, (2.5Y 5/3), SAND, wet, poorly graded, very fine- to fine-grained, thin intervals with little fine- to coarse-grained subangular gravel. Olive brown (2.5Y 4/3), SAND, wet, poorly graded, fine-grained, faint oxidation staining, no shells.
116				0.0		CL	Olive (5Y 4/4), CLAY, moist, hard, plastic, oxidation stained, scour contact with overlying sand.
118				0.0		ML	Olive (5Y 4/4), CLAYEY SILT, moist to very moist, slightly plastic, occasional interbeds of sandy silt.
120							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. EWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/17/06
Date Completed: 10/20/06
Northing: 1768367.68
Easting: 6470266.69
Elevation: 51.76 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0		ML		
122				0.0		CL	Olive (5Y 4/4), SILTY SANDY CLAY, moist, stiff, plastic, fine-grained sand, faint oxidation staining.	
124				0.0		SP	Olive brown (2.5Y 4/4), SAND, wet to saturated, poorly graded, very fine to fine-grained, faint oxidation staining.	Bentonite Pellets
126							Well Detail 0 to 96 — 4" Sch 80 PVC Blank 96 to 121 — 4" Sch 80 PVC 0.020 Slot 0 to 2.5 — Concrete with Traffic Rated Well Box 2.5 to 4 — Bentonite Chips 4 to 88 — Portland Cement w/ 5% Bentonite Grout 88 to 93 — Bentonite Pellets 93 to 123 — Sand 123 to 125 — Bentonite Pellets	
128								
130								
132								
134								
136								
138								
140								

Notes: Boring total depth 125 feet. Groundwater encountered at approximately 67 feet. Boring completed as a groundwater monitoring well.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

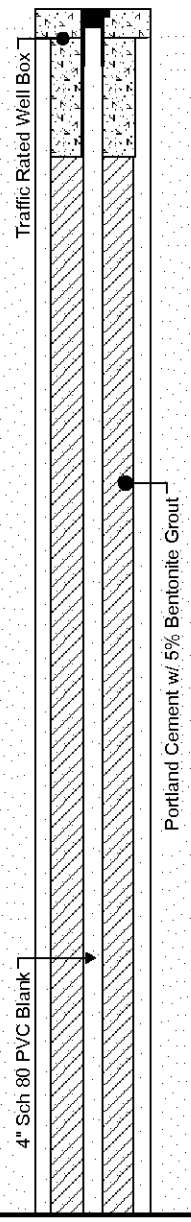
Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/31/06
Date Completed: 11/2/06
Northing: 1768452.84
Easting: 6470121.09
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
0							8" Asphalt
2						CL	Brown (10YR 5/3), SILTY CLAY, moist, stiff, plastic.
4							Note: Construction debris.
6							Note: Construction debris.
8						ML	Brown (10YR 4/3), SILT, moist, firm, little clay, little fine-grained sand.
10							
12							
14				0.0		SM	Dark brown (7.5YR 3/4), SANDY SILT, moist, stiff, very fine- to fine grained sand, micaceous.
16							
18				0.0			
20							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/31/06
Date Completed: 11/2/06
Northing: 1768452.84
Easting: 6470121.09
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
22, 24, 26, 28				0.0		ML	Note: First 10 foot run with core barrel.Casing at 18 feet, core barrel to 24 feet. Logged from shoe. Dark brown (7.5YR 3/4), SILT, moist, very stiff, micaceous, mottled with caliche, trace fine to very fine sand, slightly clayey.	
30, 32, 34				0.0		SM	Light olive brown (2.5Y 5/6), SILTY SAND, slightly moist, very dense, poorly graded, very fine- to fine-grained, micaceous.	
36, 38, 40				0.0		SP	Light olive brown, SAND, dry to slightly moist, very dense, very fine- to fine-grained, poorly graded, micaceous, trace silt.	

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/31/06
Date Completed: 11/2/06
Northing: 1768452.84
Easting: 6470121.09
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
42, 44				0.0		SP	Light olive brown, SAND, dry to slightly moist, very dense, very fine- to fine-grained, poorly graded, micaceous, slightly silty.	
46, 48				0.0		ML	Light olive brown (2.5Y 5/3), CLAYEY SILT, moist, firm, moderately plastic.	
50				1.1		SP	Light olive brown (2.5Y 5/6), SAND, moist, poorly graded, very fine-grained, little silt.	
52, 54				1.3 4.2		ML	Light olive brown (2.5Y 4/3), SILT, moist, firm, slightly plastic, some clay. Light olive brown (2.5Y 4/3), SILT, moist, firm, with little to some very fine-grained sand, no clay. Light olive brown (2.5Y 4/3), SILT, moist, firm, slightly plastic, some clay.	
56, 58, 60				1.8 3.1		SM	Olive brown (2.5Y 4/3), SILTY SAND, moist, stiff, poorly graded, very fine-grained, oxidation staining in veins throughout.	

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

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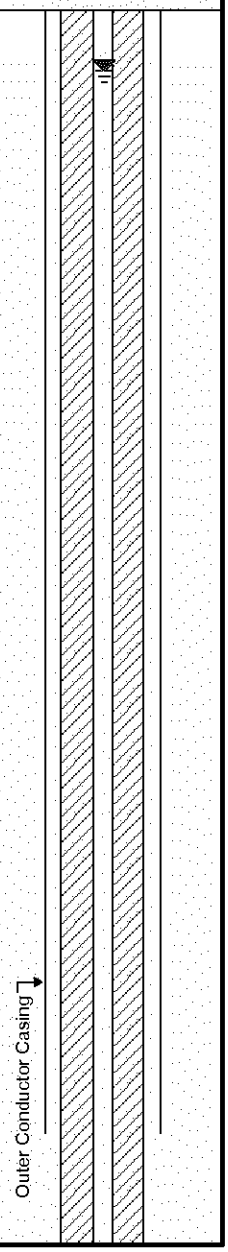
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				2.9			
62				1.7		SP	Groundwater encountered approximately 61 feet. Light olive brown (2.5Y 5/6), SAND, wet to saturated, poorly graded, fine-grained.
						ML	Olive brown, SILT, wet, stiff, some very fine-grained sand.
64				0.3		SP	Light olive brown (2.5Y 5/3), SAND, wet, poorly graded, fine- to very fine-grained.
						SM	Olive brown (2.5Y 4/3), SILTY SAND, very moist, firm, slightly plastic, little clay, heavy oxidation staining in veins.
66				0.4		SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, very fine-grained, some fine-grained.
68				1.3		CL	Olive brown (2.5Y 4/3), CLAY, moist, hard, slightly plastic, very thin lamination/oxidation staining.
70				7.2		SP	Dark olive brown (2.5Y 3/3), SAND, saturated, poorly graded, fine-grained to very fine-grained, little silt, micaceous.
72				1.3			
74				1.0		ML	Dark grayish brown (2.5Y 4/2), SILT, moist to very moist, hard, interbeds of very fine-grained sand, faint oxidation staining.
76				0.8		SP	Light olive brown (2.5Y 5/3), SAND, saturated, poorly graded, fine-grained.
78						ML	Olive brown (2.5Y 4/4), CLAYEY SILT, moist, hard, slightly plastic, faint oxidation staining throughout. Note: Outer conductor casing set at 78.5 feet. Install bentonite pellet seal. Continue drilling with inner casing.
80						SP	Note: 3" thick SAND layer, saturated, poorly graded, fine-grained.

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

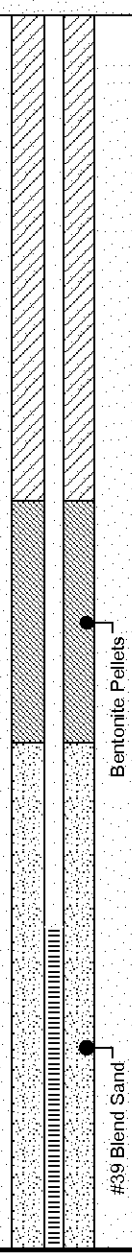
Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/31/06
Date Completed: 11/2/06
Northing: 1768452.84
Easting: 6470121.09
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
82				1.2		SP	Grayish brown (10YR 5/2), SAND, wet to saturated, poorly graded, very fine- to fine-grained, little silt, abundant shells.
84				0.0		SP	Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained.
86				0.0		ML	Olive brown (2.5Y 4/4), CLAYEY SILT, moist, hard, slightly plastic, oxidation staining in veins.
88				0.8		CL	Olive brown (2.5Y 4/4), CLAY, moist, hard, slightly plastic, some silt.
						SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, very fine-grained.
						CL	Olive brown, CLAY, moist, very stiff, plastic.
90				0.4		SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, very fine-grained.
92				0.0		ML	Olive brown (2.5Y 4/4), CLAYEY SILT, moist, hard, slightly plastic, oxidation staining in veins.
94				0.3		SP	Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained, trace to little silt.
96				0.6			Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained, little silt.
98				0.0			
100							Light olive brown (2.5Y 5/3), SAND, wet, poorly graded, very fine-grained, little silt.

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

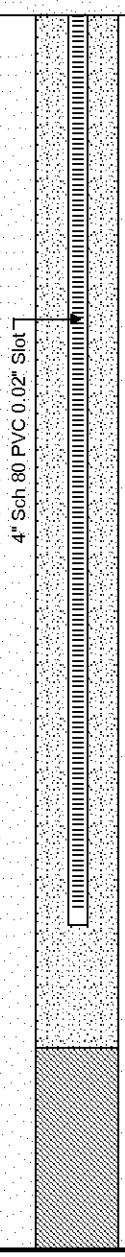
Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/31/06
Date Completed: 11/2/06
Northing: 1768452.84
Easting: 6470121.09
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				0.0		GW	Light olive brown (2.5Y 5/3), GRAVEL, wet, very dense, well graded, fine-grained sand matrix, fine sub-angular gravel.
102				0.0		CL	Olive brown (2.5Y 4/4), CLAY, moist, very hard, slightly plastic, oxidation staining in veins.
104				0.0		SM	Dark grayish brown (2.5Y 4/2), SILTY SAND, wet, poorly graded, very fine-grained.
106				1.2		SP	Dark grayish brown (2.5Y 4/2), SAND, wet, poorly graded, very fine-grained.
108				0.0		SM	Dark grayish brown (2.5Y 4/2), SILTY SAND, wet, poorly graded, very fine-grained, micaceous.
110				0.0			
112				5.0		SP	Light olive brown (2.5Y 5/3), SAND, saturated, poorly graded, fine-grained.
114				4.4			
116				8.9			
118				5.6		CL	Olive brown (2.5Y 4/3), CLAY, slightly moist, very hard, slightly plastic, oxidation staining in dark veins.
120						ML	Olive brown (2.5Y 4/3), SILT, moist, stiff, some very fine-grained sand.

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC001

Logged By: Micheal Lewis/Z. Dickson
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/31/06
Date Completed: 11/2/06
Northing: 1768452.84
Easting: 6470121.09
Elevation: 53.60 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				1.5		ML	Olive brown (2.5Y 4/3), SILT, moist, stiff, some very fine-grained sand.	Bentonite Chips/Cave
122				1.2				
124				4.6		SM	Olive brown (2.5Y 4/3), SILTY SAND, moist to very moist, medium dense, very fine-grained sand, oxidation staining in veins.	
126							Well Detail 0 to 95 — 4" Sch 80 PVC Blank 95 to 115 — 4" Sch 80 PVC 0.020 Slot 0 to 2.5 — Concrete with Traffic Rated Well Box 2.5 to 88 — Portland Cement w/ 5% Bentonite Grout 88 to 92 — Bentonite Pellets 92 to 117 — #39 Blend Sand	
128								
130								
132								
134								
136								
138								
140								

Notes: Boring total depth125 feet. Groundwater encountered at approximately 61 feet. Boring completed as a groundwater monitoring well.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

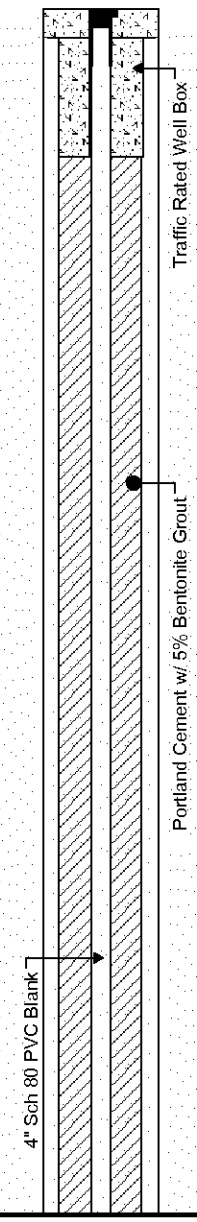
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
0							Asphalt
							Very dark gray, SANDY SILTY GRAVEL, well graded (base).
2						CL	Brown (10YR 5/3), SILTY CLAY, moist, stiff, plastic.
4				0.0			
6							Note: Red brick and concrete debris.
8							
10				0.0		ML	Brown (10YR 4/3), SILT, moist, firm, little clay, little very fine-grained sand.
12							Dark brown (7.5YR 3/4), SILT, moist, very stiff, little to some clay.
14				0.0			
16							
18						CL	Dark yellowish brown (10YR 4/4), CLAY, moist, firm, plastic, some silt, oxidation staining in veins throughout.
20							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0				
22								
24								
				0.0		CL	Yellowish brown (10YR 5/4), SILTY CLAY, moist, very stiff, slightly plastic.	
26								
28								
							Yellowish brown (10YR 5/6), SAND, moist, poorly graded, very fine-grained, little silt.	
30				0.0		SP		
32								
34								
				0.0			Yellowish brown (10YR 5/6), SAND, moist, poorly graded, very fine-grained, little silt.	
36								
38								
							Yellowish brown (10YR 5/6), SAND, moist, poorly graded, very fine-grained, no silt.	
40								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0				
42						ML	Olive brown (2.5Y 4/3), SANDY SILT, moist, firm, slightly plastic, very fine-grained, some clay, oxidation staining in veins.	
44								
46								
48								
50						SP	Light olive brown (2.5Y 5/4), SAND, moist, poorly graded, very fine-grained, little silt.	
52								
				0.0			Light olive brown (2.5Y 5/4), SAND, moist, poorly graded, very fine to fine-grained, no silt.	
54						ML	Olive brown (2.5Y 4/3), SILT, moist, firm, little clay, little very fine-grained sand, oxidation staining in veins throughout.	
				0.0				
56								
				0.0			Groundwater encountered approximately 58 feet.	
58						SP	Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, fine-grained.	
				0.0		ML	Olive brown (2.5Y 4/3), SILT, moist, firm, oxidation staining.	
60								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
62				0.0		SP	Light olive brown (2.5Y 5/4), SAND, saturated, poorly graded, fine-grained.	
64				0.0		ML	Light olive brown (2.5Y 5/4), SILT, moist to very moist, firm.	
				0.0		SP	Light olive brown (2.5Y 5/4), SAND, saturated, poorly graded, fine-grained.	
66						ML	Olive brown (2.5Y 4/4), SILT, moist, firm.	
				0.0		SP	Light olive brown (2.5Y 5/4), SAND, saturated, poorly graded, fine-grained.	
68						ML	Olive brown (2.5Y 4/4), SILT.	
70				0.0		SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, very fine-grained, trace silt, heavy oxidation staining at upper and lower contacts.	
				0.0				
72						ML	Olive brown (2.5Y 4/4), SILT, moist to very moist, stiff, oxidation staining in veins throughout.	
74				1.4		SP	Olive brown (2.5Y 4/3), SAND, wet, poorly graded, fine- to very fine-grained, localized oxidation staining.	
				6.9				
76				1.6		ML	Olive brown (2.5Y 4/3), SILT, moist to very moist, stiff, little to some very fine-grained sand, oxidation staining in veins.	
78				0.0		SP	Light olive brown (2.5Y 5/3), SAND, wet to saturated, poorly graded, fine-grained, trace medium-grained.	
80								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

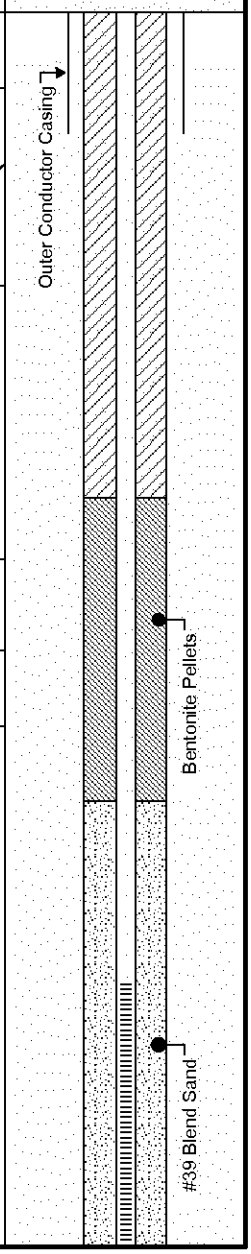
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				0.0		SP	Dark olive brown (2.5Y 3/3), SAND, saturated, poorly graded, very fine-grained, trace silt.
82				1.2		SM	Olive brown (2.5 4/3), SILTY SAND, saturated, poorly graded, transitions to silt below. Note: Outer conductor casing set at 82 feet. Install bentonite pellet seal. Continue drilling with inner casing.
84						ML	Olive brown (2.5Y 4/3), SILT, very moist, stiff, trace to some clay.
86				1.3		SP	Note: Silty sand transition. Olive brown (2.5Y 4/4), SAND, wet, poorly graded, fine-grained, thin shells and shell fragments abundant throughout.
88				5.0			
90				5.4		SM	Note: Oxidation scour sandy contact. Olive brown (2.5Y 4/3), SILTY SAND, very moist, poorly graded, very fine-grained.
				5.7		ML	Olive brown (2.5Y 4/3), SILT, moist, very stiff, slightly plastic, little to some clay.
92				0.0		SP	Olive brown (2.5Y 4/3), SAND, wet, poorly graded, very fine-grained, little silt.
94				0.0			Note: Caliche vienlets.
96				0.5		SP	Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained, some silt.
98				0.0			
100							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
102				0.0		SP	Olive brown (2.5Y 4/4), SAND, scattered layers with fine sub-rounded gravel.	4" Sch 80 PVC 0.02" Slot
104				0.3				
106				0.6				
108				1.7				
110				0.0				
112				0.0		SM	Olive brown (2.5Y 4/3), SILTY SAND, moist, very fine-grained sand, gradational transition to underlying silt.	
114				1.6		ML	Olive brown (2.5Y 4/3), SILT, moist, firm, slightly plastic, some clay.	
116				0.0		SP	Dark yellowish brown (10YR 4/6), SAND, saturated, poorly graded, fine-grained, no fines, oxidation staining at upper contact.	
118				0.0				
120				1.2		ML	Olive brown (2.5Y 4/3), SILT, moist, stiff, slightly plastic, some clay.	

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. IWC002

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: NA
Sampling Interval: Continuous Core

Date Started: 10/26/06
Date Completed: 10/31/06
Northing: 1768669.11
Easting: 6470239.20
Elevation: 51.56 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
122				0.4		ML	Olive brown (2.5 4/3), SANDY SILT, moist, stiff, some very fine-grained sand, oxidation staining faint throughout.	Bentonite Chips and Cave
124				0.7				
126							Well Detail 0 to 96 — 4" Sch 80 PVC Blank 96 to 116 — 4" Sch 80 PVC 0.020 Slot 0 to 2.5 — Concrete with Traffic Rated Well Box 2.5 to 88 — Portland Cement w/ 5% Bentonite Grout 88 to 93 — Bentonite Pellets 93 to 118 — #39 Blend Sand	
128								
130								
132								
134								
136								
138								
140								

Notes: Boring total depth 125 feet. Groundwater encountered at approximately 58 feet. Boring completed as a groundwater monitoring well.

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

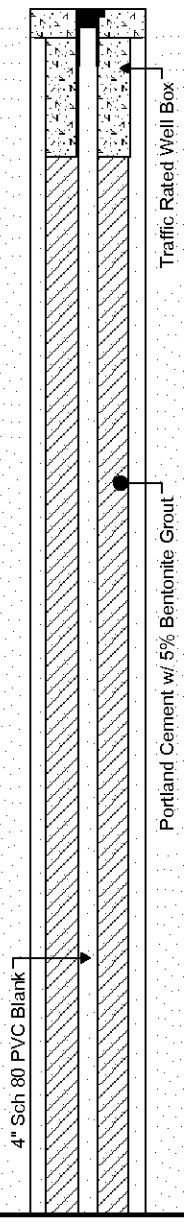
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
0							Concrete
2						CL	Brown (10YR 4/3), CLAY, moist, very stiff, plastic, with little to some silt.
4							
6							Note: Scattered concrete and brick debris.
8							
10				0.0		ML	Brown (10YR 4/3), SILT, moist, firm to stiff, little to some clay, some fine-grained sand.
12							
14				0.0			
16							
18						CL	Brown (10YR 4/4), CLAY, moist, stiff, some silt, plastic.
20							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.0		CL	Brown (10YR 4/4), CLAY, moist, stiff, some silt, plastic.	
22								
24								
26								
				0.0		ML	Brown (10YR 4/3), SANDY SILT, moist, firm, very fine-grained.	
28								
30				0.0		SP	Light yellowish brown (10YR 5/4), SAND, moist, poorly graded, very fine-grained, little silt.	
32								
							Light yellowish brown (10YR 5/4), SAND, moist, poorly graded, very fine-grained.	
34								
				0.0				
36								
38				0.0				
40								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
42				0.0		ML	Olive brown (2.5Y 4/4), SILT, moist, firm, some very fine-grained sand, oxidation staining in veins throughout.	
44						SM	Light olive brown (2.5Y 5/4) SILTY SAND/SANDY SILT, moist, firm, poorly graded, very fine-grained sand.	
				0.0		ML	Olive brown (2.5Y 4/4), SILT, moist, firm, some very fine-grained sand, oxidation staining.	
46						SM	Light olive brown (2.5Y 5/4) SILTY SAND, moist, stiff, some intervals of more silt and oxidation staining.	
				0.0				
48								
						ML	Olive brown (2.5Y 4/4) SILT, moist, firm, slightly plastic, some clay in zones, oxidation staining in veins throughout.	
50				0.0				
						SP	Note: Gradational change from silt above to sand. Light yellowish brown (2.5Y 6/4), SAND, moist, poorly graded, very fine-grained, faint oxidation staining.	
52				0.0				
54				0.3				
						ML	Note: Gradational change from sand, to silty sand, to silt. Dark grayish brown (2.5Y 4/2), SILT, very moist, firm, micaceous.	
56				0.3				
58				1.5				
60								

AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

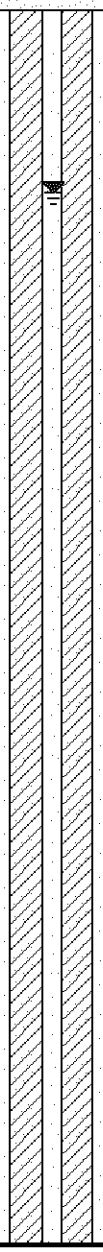
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				0.0			Dark grayish brown (2.5Y 4/2), SILT, very moist, firm, micaceous.
62				0.0			
							Groundwater encountered approximately 63 feet.
64				0.4		SP	Olive brown (2.5Y 4/3), SAND, wet to saturated, poorly graded, very fine-grained, little to some silt, faint oxidation staining.
	MWC024_ SSB00065_0001						
66	MWC024_ SSB00066_0001						Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, fine-grained, little very fine-grained.
				0.0			Note: Lost Shelby tube down-hole (broke off) on second run (11:00) - Recovered.
68							
	MWC024_ SSB00069_0001						Light olive brown (2.5Y 5/4), SAND, saturated, poorly graded, fine-grained, some very fine-grained, scattered small oxidation stained concretions.
70	MWC024_ SSB00070_0001			0.0			
72				0.0			Light olive brown (2.5Y 5/4), SAND, saturated, poorly graded, fine-grained, little medium-grained sand.
74						SM	Very dark grayish brown (2.5Y 3/2), SILTY SAND, moist to very moist, dense, very fine-grained, micaceous, oxidation staining.
				0.0		SP	
76							Dark grayish brown, (2.5Y 4/2), SAND, wet, poorly graded, fine-grained.
						CL	SILTY CLAY, moist, stiff, plastic, oxidation staining.
78				1.5		SP	Olive brown (2.5Y 4/3), SAND, wet to saturated, poorly graded, fine to very fine-grained, faint oxidation staining.
				0.0		SM	
80							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

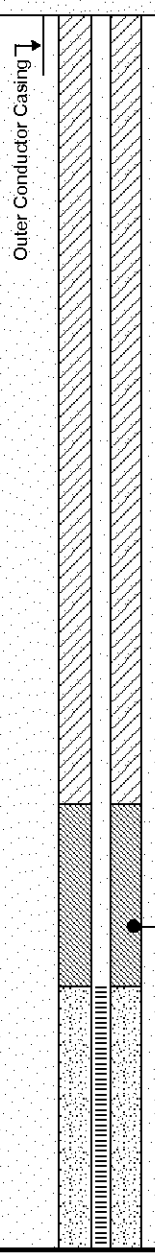
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				1.1		SM	Dark grayish brown, (2.5Y 4/2), SILTY SAND, gradational change from poorly graded sand (above) to silty sand to silt (below).
				1.3		ML	Dark grayish brown, (2.5Y 4/2), SILT, moist, stiff, faint oxidation staining. Note: Outer conductor casing set at 81 feet. Install bentonite pellet seal. Continue drilling with inner casing.
82						SC	
				14.6			Olive brown (2.5Y 4/4), CLAYEY SAND, very moist, slightly plastic, fine-grained sand, abundant shells and shell fragments.
84							
				0.0			
86							
				0.0		SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, fine-grained, abundant shells.
88						CL	Light olive brown (2.5Y 5/4), CLAY, moist, very stiff, plastic.
				0.0		SP	Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained, oxidation staining in veins.
90						CL	Light olive brown (2.5Y 5/4), CLAY, moist, hard, plastic.
				0.0		SP	Olive brown (2.5Y 4/4), SAND, wet, poorly graded, very fine-grained, little silt, no shells.
92							
				0.0			
94							
96				1.2		CL	Olive brown (2.5Y 4/4), SILTY CLAY, moist, hard, slightly plastic, few stringers of very fine-grained oxidized sand.
98				4.1			
100							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

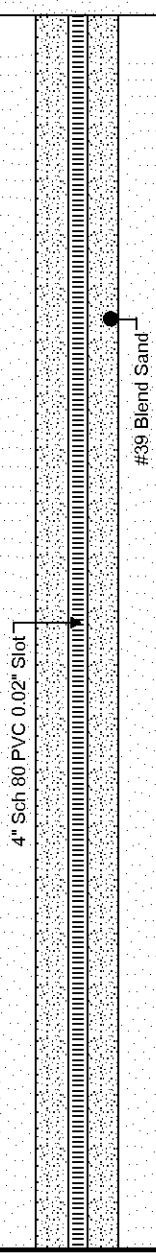
Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description
				0.2		SP	Light olive brown (2.5Y 4/4), SAND, wet to saturated, poorly graded, very fine-grained, faint oxidation staining
102				1.9		CL	Olive brown (2.5Y 4/3), SILTY CLAY, moist, very stiff, slightly plastic, oxidation staining in veinlets throughout.
104				0.4			
106				0.0		ML	Dark grayish brown (2.5Y 4/2), SILT, moist, very stiff, oxidation staining in veinlets throughout. Grading into;
108				0.0		SM	Dark grayish brown (2.5Y 4/2), SILTY SAND, very moist, stiff, very fine-grained.
110						SP	Olive brown (2.5Y 4/4), SAND, saturated, poorly graded, very fine-grained, some silt.
				0.0		CL	Dark grayish brown (2.5Y 4/2), CLAY, moist, hard, some silt, oxidation staining in veins throughout.
112						SM/ML	Dark grayish brown (2.5Y 4/2), SANDY SILT/SILTY SAND, moist, very fine-grained, oxidation staining.
				0.3		SP	Dark yellowish brown (10YR 4/4), SAND, saturated, poorly graded, fine-grained, trace medium-grained, oxidation staining.
114						ML	Olive brown (2.5Y 4/4), CLAYEY SILT, moist, firm, slightly plastic, little oxidation staining.
	MWC024_ SSB00115_0001			0.0		SP	Dark yellowish brown (10YR 4/4), SAND, saturated, poorly graded, fine-grained, trace medium-grained, scattered shells and fragments.
116	MWC024_ SSB00116_0001						
				0.0		ML	Olive brown (2.5Y 4/3), SILT, moist, hard, trace clay, oxidation staining in veins, % very fine sand increases with depth. Olive brown (2.5Y 4/3), SILT, very moist, firm, little to some very fine grained-sand.
118				0.4			
120							

Well Completion Details



AVOCET ENVIRONMENTAL, INC.

LITHOLOGIC LOG

MONITORING WELL No. MWC024

Logged By: Micheal Lewis
Checked By: Micheal Rendina
Driller: Cascade Drilling
Drilling Method: Sonic Drilling
Sampling Method: Shelby Tube
Sampling Interval: Continuous Core

Date Started: 10/20/06
Date Completed: 10/26/06
Northing: 1768408.81
Easting: 6470265.98
Elevation: 51.64 Feet
Boring Depth: 125 Feet

Client: Boeing Realty Corp.
Site: Former C-6 Facility
Location: Los Angeles, California
Project No.: 1155.002

Depth (ft)	Sample Number	Sample Depth	Blow Count (per foot)	OVM (ppm)	Graphic Log	Soil Classification	Description	Well Completion Details
				0.1		SM	Olive brown (2.5Y 4/3), SILTY SAND, very moist to wet, very fine-grained sand.	
122				0.0				
124						SP	Olive brown (2.5Y 4/3), SAND, saturated, poorly graded, fine-grained, trace medium-grained.	Caved
				1.6				
126								
128							Well Detail 0 to 96 — 4" Sch 80 PVC Blank 96 to 121 — 4" Sch 80 PVC 0.020 Slot 0 to 2.5 — Concrete with Traffic Rated Well Box 2.5 to 93 — Portland Cement w/ 5% Bentonite Grout 93 to 96 — Bentonite Pellets 96 to 122 — #39 Blend Sand	
130								
132								
134								
136								
138								
140								

Notes: Boring total depth 125 feet. Groundwater encountered at approximately 63 feet. Boring completed as a groundwater monitoring well.

AVOCET ENVIRONMENTAL, INC.

Appendix C

Well Development Forms

AVOCET
ENVIRONMENTAL, INC.

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-07-2006
Field Personnel D. BOLDUC

Well No. IWC 002
Time ~~Sampled~~ GAUGED 0720
Static Water Depth (ft) 60.22
Total Volume Purged 350 + 100 = 450 gallons.

Measuring Point N. RIM - TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-in Grundfos Pump.
Field Preservation —

Comments: Bail sediment 0744 - 0804 (stainless steel bailer, capacity 5 gal.) Bail 50 gallons. Surge 0808 - 0828 (stainless steel, 10-foot long, vented surge block). Bail 0832 - 0850 (50 gallons). Pump - 3 inch Grundfos. Begin pumping at 0923. (DTW = 60.37)

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	116		60.22		55.78		0.17	(0.66)	1.47		36.8

Time	0804	0850	0925	0935	0945	0953	0959
Volume Purged (gallons)	50	100	0	37	70	96	116
Purge Rate (gpm)	—	—	3.5	3.5	3.5	3.5	3.5
Temperature (F°)	—	—	75.8	79.0	79.0	78.6	78.7
pH	—	—	~~7.55~~	7.66	7.55	7.50	7.47
Specific Conductivity (µs/cm) x 1000	—	—	~~75.8~~ 0.94	1.07	1.07	1.07	1.08
Odor	—	—	NONE	NONE	NONE	NONE	NONE
Turbidity (NTU)	—	—	>1000	>1000	>500	7250	≈100
Color // Cleanness	BROWN	BROWN	SL. BROWN	SL. BROWN/GREY	SL. GREY	SL. GREY	SL. CLOUDY
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	1.3	2.6	0	1	1.8	2.6	3.1
Dewatered (Yes/No)	NO	NO	NO	NO	NO	NO	NO

Total Casing Depth (after development): — feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA.
Project Manager M. RENDINA

Project No. 1155
Date 11-7-2006
Field Personnel D. Baldwin

Well No. TWC 002
Time Sampled –
Static Water Depth (ft) 60.22
Total Volume Purged 350 + 100 = 450

Measuring Point N. RIM TOC
Sample Method –
Water Level Instrument SOLINST
Purge Method 3-IN. GRUNDFOS
Field Preservation –

Comments: Begin pumping @ 0923. Stop @ 1034, lower pump from 80 feet to bottom. Begin pumping again @ 1044. End at 1116 (350 gallons pumped).
DTW @ 11:35 60.2

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	116		60.22		55.78		0.17	0.66	1.47		36.8

Time	1006	1015	1028	1047	1055	1103	1113
Volume Purged (gallons)	151	181	213	240	270	293	330
Purge Rate (gpm)	3.5	3.5	3.5	4	4	4	4
Temperature (F°)	78.9	79.4	78.5	77.5	76.8	77.2	76.1
pH	7.47	7.48	7.44	7.54	7.46	7.58	7.51
Specific Conductivity (µs/cm) x 1000	1.08	1.08	1.07	0.98	1.05	1.07	1.07
Odor	None	None	None	None	None	None	None
Turbidity (NTU)	>50	>50	10	310	75	31	15
Color // Cleanness	Clear	Clear	Clear	Cloudy brown	Sl. cloudy	Clear	Clear
Dissolved Oxygen (mg/l)	–	–	–	–	–	–	–
ORP (mV)	–	–	–	–	–	–	–
Number of Casing Volumes Removed	4	4.8	5.8	6.5	7.3	7.9	8.9
Dewatered (Yes/No)	NO	No	No	No.	NO	No	NO

Total Casing Depth (after development): – feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. RENDINA

Project No. 1155
Date 11-07-2006
Field Personnel D. BOLDUC

Well No. IWC001
Time Sampled —
Static Water Depth (ft) 62.44
Total Volume Purged 371 gallons pumped

Measuring Point N. side TOC
Sample Method —
Water Level Instrument Schnist
Purge Method 3in Diam Grundfos
Field Preservation —

Comments: Screen 95-115'. TD = 114.84'. Bailing from 1213-1222 (50 gallons) 10-foot SS bailer (5-gallon). Surge well (10-ft SS vented surge block), 1226-1241. Bailing from 1243-1255, another 50 gallons. Pumping 1315+

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	115		62.44		52.56		0.17	0.66	1.47		34.7

Time	1222	1255	1316	1323	1330	1337	1344
Volume Purged (gallons)	50	100	0	30	57	86	113
Purge Rate (gpm)	—	—	3.7	3.7	3.7	3.7	3.7
Temperature (F°)	—	—	82.5	82.3	76.6	77.0	76.7
pH	—	—	7.62	7.51	7.40	7.37	7.36
Specific Conductivity (µs/cm) x 1000	—	—	1.51	2.19	2.17	1.41	1.39
Odor	—	—	NONE	NONE	NONE	NONE	NONE
Turbidity (NTU)	Brown/ cloudy	—	>1000	>1000	550	140	220
Color // Cleanness	>1000	Brown/ Cloudy	Brown Cloudy	Brown/ Silty	Sl. brown + cloudy	Sl. cloudy	Sl. brown cloudy
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	1.4	2.8	0	0.8	1.6	2.5	3.2
Dewatered (Yes/No)	No.	No	No	No.	No	No	No

Total Casing Depth (after development):_____ feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA.
Project Manager M. RENDINA

Project No. 1155
Date 11-07-2006
Field Personnel D. Boldue

Well No. IWC 001
Time Sampled —
Static Water Depth (ft) 62.44
Total Volume Purged 371 gallons Pumped

Measuring Point N. Side TOC
Sample Method —
Water Level Instrument Solinst
Purge Method 3-in. Grundfos
Field Preservation —

Comments: Pumping 1315—1356 (151 gallons). Drop pump down another 33 feet. Start pumping again at 1405. Stop purge @ 1500.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	115		62.44		52.56		0.17	0.66	1.47		34.7

Time	1354	1409	1416	1426	1431	1440	1450
Volume Purged (gallons)	151	176	206	241	271	293	339
Purge Rate (gpm)	3.7	4	4	4	4	4	4
Temperature (F°)	76.7	75.2	75.5	75.0	74.7	74.2	73.5
pH	6.95	7.40	~~6.78~~ 7.43	7.54	7.52	7.41	7.35
Specific Conductivity (µs/cm) x 1000	1.41	1.39	1.40	1.39	1.38	1.34	1.38
Odor	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Turbidity (NTU)	clear	350	55	150	55	70	40
Color // Cleanness	50	Brown / cloudy	sl. cloudy	sl. cloudy	sl. cloudy	sl. cloudy	sl. cloudy
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	4.3	5	5.8	6.9	7.7	8.4	9.7
Dewatered (Yes/No)	No.	No	No.	No.	No.	No	No

Total Casing Depth (after development): — feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-07-2006
Field Personnel D. Bodue

Well No. IWC 001
Time Sampled —
Static Water Depth (ft) 62.44
Total Volume Purged 371 + 100 = 471

Measuring Point N. SIDE TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-in Grundfos Pump
Field Preservation —

Comments: Pumped from 1315-1356 (151 gallons). Drop pump down another 33 feet (from 80 to bottom). Pumping again from 1405-1500.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	115		62.44		52.56		0.17	0.66	1.47		34.7

Time	1458						
Volume Purged (gallons)	371						
Purge Rate (gpm)	4						
Temperature (F°)	73.7 ✓						
pH	7.28 ✓						
Specific Conductivity (µs/cm) x 1000	1.38 ✓						
Odor	NONE						
Turbidity (NTU)	28 ✓						
Color // Cleanness	clear						
Dissolved Oxygen (mg/l)	—						
ORP (mV)	—						
Number of Casing Volumes Removed	10.6						
Dewatered (Yes/No)	No.						

Total Casing Depth (after development): — feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-07 / 11-08 - 2006
Field Personnel D. Boldue

Well No. MWC 024
Time Sampled —
Static Water Depth (ft) 60.45 (11/7/06)
Total Volume Purged 400 gallons pumped

Measuring Point N. side TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method
Field Preservation

Comments: Screened 96-121 feet. Bail with 5-gallon SS (10-foot long) bailer, 1546-1600 (50 gallons). Surge with vented SS surge block (1605-1620). Continue bailing (1625-1641, 50 gallons. 11/08/2006 - Bail 5 gallons. Begin pumping at 0723.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.45		60.55		0.17	0.66	1.47		39.9

Time	1600	1641	0725	0731	0740	0754	0802
Volume Purged (gallons)	50	100	0	34	77	116	145
Purge Rate (gpm)	—	—	4.3	4.3	4.3	4.3	4.3
Temperature (F°)	—	—	64.8	66.4	66.7	67.5	67.8
pH	—	—	6.52	7.05	7.11	7.19	7.25
Specific Conductivity (µs/cm) x 1000	—	—	1.78	1.76	1.76	1.78	1.78
Odor	NONE	NONE	NONE	NONE	NONE	NONE	NONE
Turbidity (NTU)	—	—	650	1000	360	80	45
Color // Cleanness	—	—	Sl. brown cloudy	brown cloudy	Sl. cloudy	Sl. cloudy	Clear
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	1.25	2.5	0	0.85	1.9	2.9	3.6
Dewatered (Yes/No)	N	No	No	No	No	No	No

Total Casing Depth (after development): 121.4 feet
Bail

Page 1 of 3

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BOE-C6-0052778

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-Le
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155.
Date 11-8-2006
Field Personnel D. Bolduc

Well No. MWC024
Time Sampled —
Static Water Depth (ft) 60.45 (11/7/2006)
Total Volume Purged Pump = 400 gallons

Measuring Point N. SIDE - TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-inch Grundfos pump
Field Preservation NA

Comments: Nov. 8, 2006: Bail 5 gallons. Begin pumping at 0723 – 0830. Drop pump to 100 feet. Begin pumping again at 0835. Stop pumping at 0850, drop pump to ≈ 120 feet (bottom). Begin pumping again at 0856.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.45		60.55		0.17	0.66	1.47		39.9

Time	0812	0818	0825	0837	0846	0858	0904
Volume Purged (gallons)	180	201	224	245	280	300	325
Purge Rate (gpm)	4.3	4.3	4.3	4	4	4.3	4.3
Temperature (F°)	69.1	69.2	69.5	67.6	68.5	68.0	70.4
pH	7.19	7.17	7.21	7.20	7.19	7.23	7.25
Specific Conductivity (µs/cm) x 1000	1.81	1.81	1.80	1.76	1.77	1.71	1.80
Odor	NONE	NONE	None	None	None	None	None
Turbidity (NTU)	26	18	12	40	13	220	32
Color // Cleanness	Clear	Clear	Clear	sl. cloudy	clear	sl. brown Cloudy	Clear
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	4.5	5	5.6	6.1	7	7.5	8.1
Dewatered (Yes/No)	No	No	No	No	No	No	No

Total Casing Depth (after development): 121.4 feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-8-2006
Field Personnel D. Boldue

Well No. MWC024
Time Sampled —
Static Water Depth (ft) 60.45 (11/7/2006)
Total Volume Purged 416+5+100 = 521 gallons

Measuring Point N. SIDE TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3in. Grundfos
Field Preservation —

Comments: Pumping at 120 feet – 0856 → 0926.
End purge at 926 = 416 gallons pumped.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.45		60.55		0.17	0.66	1.47		39.9

Time	0916	0924					
Volume Purged (gallons)	370	400					
Purge Rate (gpm)	4.3	4.3					
Temperature (F°)	75.8	77.4					
pH	7.26	7.38					
Specific Conductivity (µs/cm) x 1000	1.90	1.92					
Odor	None	None					
Turbidity (NTU)	15	8.9					
Color // Cleanness	clear	clear					
Dissolved Oxygen (mg/l)	—	—					
ORP (mV)	—	—					
Number of Casing Volumes Removed	9.25	10					
Dewatered (Yes/No)	No	No					

Total Casing Depth (after development): 121.4 feet

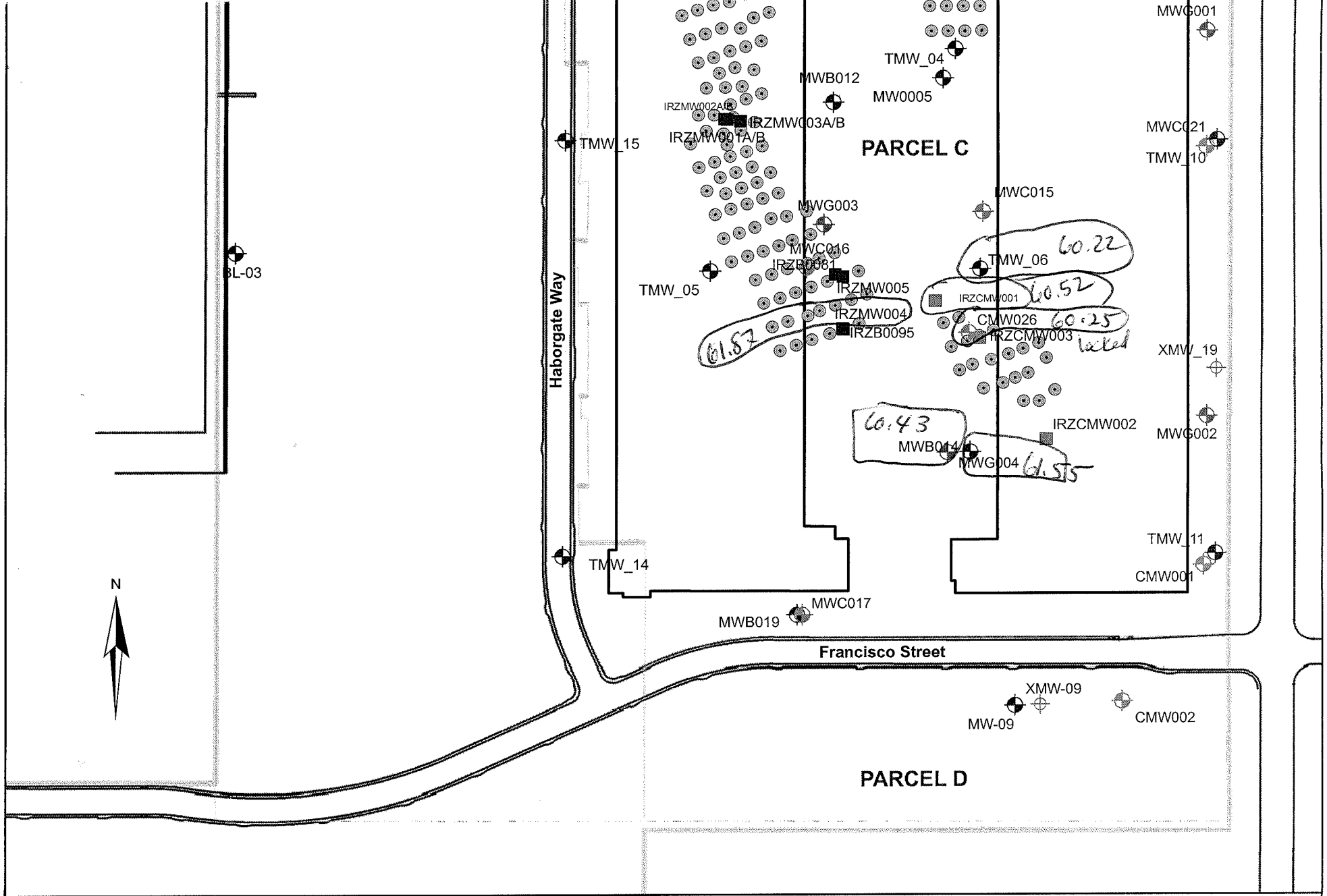
AVOCET ENVIRONMENTAL, INC.

DEPTH TO WATER / FLOATING PRODUCT

Project Name: BOEING FORMER C-6
Location: TORRANCE, CA
Project Manager: M. RENDINA

Project No.: 1155
Date: 11/07/2006
Field Personnel: D. Boldue

Well I.D.	TOTAL DEPTH (ft)	DEPTH TO WATER First Measurement (ft)	DEPTH TO WATER Second Measurement (ft)	Depth to Floating Product (ft)	Floating Product Thickness (ft)	Comments (Condition of surface seal, lid, lock, etc.)
MWG004		61.55	61.55	NONE	N/A	
MWB014		60.43	60.43			
CMW026		60.25	60.25			
IRZCMW001		60.52	60.52			
TMW-06		60.22	60.22			
IRZMW004		61.87	61.87			



0 250 500
Feet

Amendment and Monitoring Wells

- Parcel Boundary
- Property Boundary
- B-Sand Monitoring Well
- C-Sand Monitoring Well
- Gage Monitoring Well
- Montrose
- B-Sand IRZ Bioremediation Monitoring Well
- C-Sand IRZ Bioremediation Monitoring Well
- Amendment Well

CDM

Figure 2

Boeing Realty Corporation
Former C-6 Facility

Location of Existing Amendment and Monitorinig Wells

BOE-C6-0052782

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendria

Project No. 1155
Date 11/08/2006
Field Personnel D. Boldue

Well No. EWC 002
Time ~~Sampled~~ Gauged 11/8/06 @ 1047
Static Water Depth (ft) 60.63
Total Volume Purged 429 gallons pumped

Measuring Point N. SIDE TOC
Sample Method —
Water Level Instrument SOL-INST
Purge Method 3-inch Grundfos pump
Field Preservation —

Comments: Well screened 96-121 feet. Bail (50 gallons) using SS 3.5-gallon bailer. 1049-1103. Surge with SS vented surge block. (1106-1121). Bail with 3.5-gallon bailer (50 gallons), 1126-1137. Begin purging with pump at 1154.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.63		60.37		0.17	0.66	1.47		39.8

Time	1103	1137	1157	1202	1211	1219	1228
Volume Purged (gallons)	50	100	0	28	65	97	134
Purge Rate (gpm)	—	—	4	4	4	4	4
Temperature (F°)	—	—	81.2	78.8	78.1	78.8	77.8
pH	—	—	7.47	7.41	7.40	7.39	7.37
Specific Conductivity (µs/cm) x 1000	—	—	1.73	1.62	1.64	1.63	1.63
Odor	NONE	None	none	none	none	none	none
Turbidity (NTU)	>1000	>1000	>1000	>1000	500	160	95
Color // Cleanness	brown	brown	Brown	Brown	Cloudy	Sl. cloudy	sl. cloudy
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	1	2.5	0	0.7	1.6	2.4	3.3
Dewatered (Yes/No)	NO.	NO	NO	NO	NO	NO	NO

Total Casing Depth (after development): 120.2 feet

Bail

Page 1 of 3

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BOE-C6-0052783

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-Le
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-08-2006
Field Personnel D. Boldue

Well No. EWC 002
Time ~~Sampled~~ Gauged 11/8/06 @ 1047
Static Water Depth (ft) 60.63
Total Volume Purged (Pump) ~~418~~ 429

Measuring Point N. Side T.O.C
Sample Method —
Water Level Instrument SOLINST
Purge Method 3inch Grundfos
Field Preservation —

Comments: Pump set @ 80 feet, purge 1154 – 1240. Lower pump to 100 feet, purge from 1246 – 1301. Lower pump to ≈ 120 feet, purge from 1306 – Turn up rate to 9.1 gpm @ 1330. Water stable at DTW = 65.32'.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.63		60.37		0.17	0.66	1.47		39.8

Time	1237	1248	1258	1309	1322	1331	1336
Volume Purged (gallons)	168	187	224	240	290	336	379
Purge Rate (gpm)	4	4	4	4	4	9.1	9.1
Temperature (F°)	77.0	78.6	75.7	74.8	75.3	74.3	73.8
pH	7.52	7.38	7.36	7.36	7.50	7.45	7.39
Specific Conductivity (µs/cm) x 1000	1.62	1.57	1.60	1.60	1.60	1.59	1.57
Odor	none	none	none	none	none	none	none
Turbidity (NTU)	9.9	60	8	290	11	29	14
Color // Cleanness	Clear	Sl. cloudy	clear	Sl. brown Cloudy	Clear	clear	Clear
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	4.2	4.7	5.6	6	7.25	8.4	9.5
Dewatered (Yes/No)	No.	No.	No	No.	No	No.	No

Total Casing Depth (after development): 120.2 feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name BRC Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-08-2006
Field Personnel D. Bolduc

Well No. EWC 002
Time Sampled —
Static Water Depth (ft) 60.63
Total Volume Purged 429 gallons

Measuring Point N. Side – TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-inch Grundfos pump
Field Preservation NA

Comments: Purging at 9.1 gpm (1330–1342).

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.63		60.37		0.17	0.66	1.47		39.8

Time	1341						
Volume Purged (gallons)	418						
Purge Rate (gpm)	9.1						
Temperature (F°)	73.3 ✓						
pH	7.35 ✓						
Specific Conductivity (µs/cm) x 1000	1.56 ✓						
Odor	None						
Turbidity (NTU)	7.1 ✓						
Color // Cleanness	Clear						
Dissolved Oxygen (mg/l)	—						
ORP (mV)	—						
Number of Casing Volumes Removed	10.4						
Dewatered (Yes/No)	N						

Total Casing Depth (after development): 120.2 feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-14-2006
Field Personnel D. Bolduc

Well No. EW B001
Time Sampled —
Static Water Depth (ft) 60.67
Total Volume Purged 270

Measuring Point N. SIDE TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-inch Grundfos pump
Field Preservation —

Comments: HyDac meter for pH, temperature, and conductivity. LaMotte 2020 Turbidimeter. Surge well 8:14–821. Fix surge block, continue 0836–857. Bail with SS 2½ gallon (3½" diam) bailer, 0907 - 0917 (25 gallons). (TD at start 88.5')

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	90		60.67		29.33		0.17	0.66	1.47		43.1

Time	0934	0939	0943	0947	0952	0958	1003
Volume Purged (gallons)	0	65	≈75	125	140	150	180
Purge Rate (gpm)	≈15	≈7	≈5	≈5	≈5	≈5	≈5
Temperature (F°)	79.6	77.5	76.8	76.5	74.8	75.2	76.5
pH	6.02	6.36	6.62	6.74	6.81	6.96	6.97
Specific Conductivity (µs/cm) x 1000	0.79	0.98	1.11	1.15	1.17	1.19	1.22
Odor	None	None	None	None	None	None	None
Turbidity (NTU)	>1000	>1000	230	120	85	45	50
Color // Cleanness	Cloudy brown	Cloudy brown	Cloudy	Sl. cloudy	Sl. cloudy	Sl. cloudy	Sl. cloudy
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	0	1.5	1.7	2.9	3.25	3.5	4
Dewatered (Yes/No)	No	No.	No	No.	No	No	No

Total Casing Depth (after development): 88.95 feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-14-2006
Field Personnel D. Boldue

Well No. EWB001
Time Sampled —
Static Water Depth (ft) 60.67
Total Volume Purged 270

Measuring Point N. Side - TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-inch Grundfos
Field Preservation —

Comments: Purging 0934 – 1035.
Dry at 1018 – ~~fet~~ recharge a couple minutes then begin purging again. ** Water has strong solvent odor, sporadically.
* Meter in sun/readings elevated.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	90		60.67		29.33		0.17	0.66	1.47		43.1

Time	1008	1013	1021	1027	1033	1035	
Volume Purged (gallons)	195	215	235	250	265	270	
Purge Rate (gpm)	≈5	≈5	≈5	≈5	≈5	≈5	
Temperature (F°)	76.9	78.6	80.5*	80.3*	78.6	78.8	
pH	7.01	6.98	7.12	7.18	7.20	7.21	
Specific Conductivity (µs/cm) x 1000	1.24	1.24	1.30	1.32	1.31	1.30	
Odor **	None	None	None	None.	None.	None	
Turbidity (NTU)	21	16	31	35	15	10	
Color // Cleanness	Clear	Clear	Clear	Clear	Clear	Clear	
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	
ORP (mV)	—	—	—	—	—	—	
Number of Casing Volumes Removed	4.5	5	5.4	5.8	6.1	6.3	
Dewatered (Yes/No)	No	No.	Yes	NO	NO.	No.	

Total Casing Depth (after development): 88.95 feet

AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Former C-6 (Boeing)
Location Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-14-2006
Field Personnel D. Boldue

Well No. EWC 001
Time Sampled —
Static Water Depth (ft) 60.22 (11/14/06 @ 1156)
Total Volume Purged 380

Measuring Point N. side TOC
Sample Method —
Water Level Instrument SOL INST
Purge Method 3-in. Grundfos pump
Field Preservation

Comments: Surge well 1200-1227. Vented surge block. Bail with SS, 2 1/2 gallon bailer (1229 - 1249), 35 gallons. Purge 1322-1338, pump at 100 feet. When pumped water is aerated, smells like paint/solvents.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.22		60.78		0.17	0.66	1.47		40

Time	1323	1329	1334	1341	1347	1357	1355
Volume Purged (gallons)	0	100	135	155	200	220	240
Purge Rate (gpm)	15	15	15	5	5	5	5
Temperature (F°)	75.6	73.9	73.3	73.6	73.2	72.8	73.0
pH	7.75	~~3.46~~ NA	7.81	7.35	7.18	7.21	7.14
Specific Conductivity (µs/cm) x 1000	0.51	1.25	1.31	1.31	1.32	1.34	1.31
Odor	none	paint smell	Paint	—	Sl. solvent odor	solvent odor	solvent odor
Turbidity (NTU)	>1000	>1000	160	300	60	32	23
Color // Cleanness	cloudy brown	cloudy	cloudy	cloudy	Sl. cloudy	Sl. cloudy	Sl. cloudy
Dissolved Oxygen (mg/l)	—	—	—	—	—	—	—
ORP (mV)	—	—	—	—	—	—	—
Number of Casing Volumes Removed	0	2.5	3.4	3.9	5	5.5	6
Dewatered (Yes/No)	No	No	No	No	No	No	No.

Total Casing Depth (after development): 122 feet

Water @ 64!

Page 1 of 2

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AVOCET ENVIRONMENTAL, INC.

PURGE AND SAMPLE / WELL DEVELOPMENT FORM

Project Name Boeing Former C-6
Location Knox St, Torrance, CA
Project Manager M. Rendina

Project No. 1155
Date 11-14-2006
Field Personnel D. Boldue

Well No. EWC001
Time Sampled Gauged 11/14/06 @ 1152
Static Water Depth (ft) 60.22
Total Volume Purged 380

Measuring Point N. side TOC
Sample Method —
Water Level Instrument SOLINST
Purge Method 3-inch Grundfos
Field Preservation —

Comments: Pumping @ 70'. Approx. 5 gpm. Water has moderate to strong solvent odor. Purge 1322-1424.

Well Volume Calculation (Fill in before purging)	Total Depth (ft)	-	Depth to Water (ft)	=	Water Column (ft)	x	Multiplier for Well Size: 2-inch casing	4-inch casing	6-inch casing	=	Volume (one well volume) (gal)
	121		60.22		60.78		0.17	0.66	1.47		40

Time	1359	1405	1411	1416	1420		
Volume Purged (gallons)	260	295	315	335	370		
Purge Rate (gpm)	~5	~5	~5	5	5		
Temperature (F°)	72.8	72.3	72.3	72.4	72.0		
pH	7.15	7.24	7.18	7.23	7.20		
Specific Conductivity (µs/cm) x 1000	1.34	1.34	1.35	1.35	1.34		
Odor	strong solvent odor	→	→	→	→		
Turbidity (NTU)	17	13	7.4	9.6	6.4		
Color // Cleanness	sl. cloudy	clear	clear	clear	clear		
Dissolved Oxygen (mg/l)	—	—	—	—	—		
ORP (mV)	—	—	—	—	—		
Number of Casing Volumes Removed	6.5	7.4	7.8	8.4	9.25		
Dewatered (Yes/No)	NO	NO	NO	NO	NO		

Total Casing Depth (after development): 122. feet

Appendix D

Laboratory Analytical Reports

AVOCET
ENVIRONMENTAL, INC.

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

November 15, 2006

STL LOT NUMBER: **E6K030407**

MICHAEL RENDINA
Avocet Environmental Inc
16 Technology Drive, Suite 154
Irvine, CA 92618-2327

Dear MICHAEL RENDINA,

This report contains the analytical results for the two samples received under chain of custody by STL Los Angeles on November 3, 2006. These samples are associated with your "The Boeing Company - C6 facility" project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the coolers received for this project can be found on the Project Receipt Checklist.

The preliminary report was sent on November 13, 2006.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000058 pages.

BOE-C6-0052791

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Trupti Mistry
Project Manager
CC: Project File

E6K030407

CHAIN OF CUSTODY RECORD

E6K030407

AVO110206A

AVOCET ENVIRONMENTAL, INC.
16 Technology Drive, Suite 154
Irvine, California 92618-2327
(949) 296-0977
FAX (949) 296-0978

Project Name	The Boeing Company - C6 Facility
Project No.	1155.002
Location	Los Angeles, CA
Project Manager	Michael A. Rendina
email:	mrendina@avocetenv.com
Sheet	1 of 1

Sample Identification	Sample Date	Sample Time	Matrix	Samplers Initials	Number of containers	TPH by EPA Method 8015B-CC	VOCs by EPA Method 8260B	Title 22 Metals by EPA 6010 (Mercury by 7471A)									Hold	Rem.
Bin 1a	11/2/2006	16:31	SS	MAR	1	x	x	x										
Bin 1b	11/2/2006	16:33	SS	MAR	1	x	x	x										
Bin 1c	11/2/2006	16:34	SS	MAR	1	x	x	x										
Bin 1d	11/2/2006	16:35	SS	MAR	1	x	x	x										
Bin 2a	11/2/2006	16:44	SS	MAR	1	x	x	x										
Bin 2b	11/2/2006	16:45	SS	MAR	1	x	x	x										

Please composite samples Bin 1a through Bin 1d into one sample and Bin 2a and Bin 2b into a second sample and test two samples Bin 1-composite and Bin 2 -composite for TPH, VOCs and metals. Do not send confirmation or results to Boeing EDMS. Thanks, Mike Rendina

	Signature	Company	Date	Time
Collected by	[illegible]	Avocet Environmental, Inc.	11/2/06	8:30
Relinquished by	[illegible]	Avocet Environmental, Inc.	11/2/06	8:30
Received by	[illegible]	STL	11/3/06	8:30
Relinquished by	[illegible]	STL	11/3/06	0855
Received by	[illegible]	STL	11/3/06	8:55
Relinquished by				
Received by				

3

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 11/3/06

Single Cooler Only

LIMS Lot #: E6K030407 Quote #: 73051

Client Name: AVCOT Project: Boeing C6 Facility

Received by: AV Date/Time Received: 11/3/06 855

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐ Intact ☐ Broken ☒ None 11/3/06

Custody Seal Status Samples: ☐ Intact ☐ Broken ☒ None .....

Custody Seal #(s): N/A ☒ No Seal #.....

Sampler Signature on COC ☐ Yes ☐ No ☒ N/A.....

IR Gun # __B_ Correction Factor __-.2_°C IR passed daily verification ☒ Yes ☐ No .....

Temperature - **BLANK** 5.6 °C - .2 CF = 5.4 °C ...**Cooler #1 ID** N/A .....

Temperature – **COOLER** (____°C ____°C ____°C ____°C) = _____ avg °C - __.2 __ CF = _____°C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒ N/A...

Sample Container(s): ☒ STL-LA ☐ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A..

Anomalies: ☒ No ☐ Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No.....

Labeled by: CA .....

****

Turn Around Time: ☐ RUSH–24HR ☐ RUSH–48HR ☐ RUSH–72HR ☒ NORMAL..... 11/3/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐ YES ☒ N/A 11/3/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E6K030407

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-p													
VOAH														
H2SO4	1													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ Allen Vargas 11-3-06

PM Review/Date: MWC 11/6/06

STL

Analytical Report

BOE-C6-0052796

ANALYTICAL REPORT

The Boeing Co - C6 facility

Lot #: E6K030407

MICHAEL RENDINA

Avocet Environmental Inc

SEVERN TRENT LABORATORIES, INC.

Trupti Mistry
Project Manager

November 13, 2006

ANALYTICAL REPORT

The Boeing Co - C6 facility

Lot #: E6K030407

Phil Miller

Avocet Environmental Inc

SEVERN TRENT LABORATORIES, INC.

Trupti Mistry
Project Manager

November 13, 2006

EXECUTIVE SUMMARY - Detection Highlights

E6K030407

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BIN 1-COMPOSITE 11/02/06 16:31 001				
C18-C19	5.5	5.0	mg/kg	SW846 8015B
C20-C23	7.5	5.0	mg/kg	SW846 8015B
C24-C27	7.7	5.0	mg/kg	SW846 8015B
C28-C31	18	5.0	mg/kg	SW846 8015B
C32-C35	18	5.0	mg/kg	SW846 8015B
C36-C39	18	5.0	mg/kg	SW846 8015B
C40+	6.6	5.0	mg/kg	SW846 8015B
Total Carbon Chain Range	82	5.0	mg/kg	SW846 8015B
Mercury	0.037 B	0.10	mg/kg	SW846 7471A
Aluminum	9750	20.0	mg/kg	SW846 6010B
Arsenic	5.8	1.0	mg/kg	SW846 6010B
Barium	74.9	2.0	mg/kg	SW846 6010B
Beryllium	0.27 B	0.50	mg/kg	SW846 6010B
Cobalt	5.3	5.0	mg/kg	SW846 6010B
Chromium	15.2	1.0	mg/kg	SW846 6010B
Copper	13.2	2.5	mg/kg	SW846 6010B
Molybdenum	0.72 B	4.0	mg/kg	SW846 6010B
Nickel	10.3	4.0	mg/kg	SW846 6010B
Lead	3.6	0.50	mg/kg	SW846 6010B
Thallium	0.60 B	1.0	mg/kg	SW846 6010B
Vanadium	32.1	5.0	mg/kg	SW846 6010B
Zinc	33.7	2.0	mg/kg	SW846 6010B
Tetrahydrofuran	2.1 J	20	ug/kg	SW846 8260B
BIN 2-COMPOSITE 11/02/06 16:44 002				
C20-C23	4.8 J	5.0	mg/kg	SW846 8015B
C24-C27	11	5.0	mg/kg	SW846 8015B
C28-C31	31	5.0	mg/kg	SW846 8015B
C32-C35	33	5.0	mg/kg	SW846 8015B
C36-C39	30	5.0	mg/kg	SW846 8015B
C40+	10	5.0	mg/kg	SW846 8015B
Total Carbon Chain Range	120	5.0	mg/kg	SW846 8015B
Mercury	0.043 B	0.10	mg/kg	SW846 7471A
Aluminum	10300	20.0	mg/kg	SW846 6010B
Arsenic	4.1	1.0	mg/kg	SW846 6010B
Barium	75.2	2.0	mg/kg	SW846 6010B
Beryllium	0.30 B	0.50	mg/kg	SW846 6010B
Cobalt	6.2	5.0	mg/kg	SW846 6010B
Chromium	16.4	1.0	mg/kg	SW846 6010B
Copper	14.4	2.5	mg/kg	SW846 6010B
Molybdenum	0.51 B	4.0	mg/kg	SW846 6010B
Nickel	11.0	4.0	mg/kg	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

E6K030407

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
BIN 2-COMPOSITE 11/02/06 16:44 002				
Lead	3.9	0.50	mg/kg	SW846 6010B
Selenium	0.66	0.50	mg/kg	SW846 6010B
Thallium	1.1	1.0	mg/kg	SW846 6010B
Vanadium	29.4	5.0	mg/kg	SW846 6010B
Zinc	42.1	2.0	mg/kg	SW846 6010B
Tetrahydrofuran	2.1 J	20	ug/kg	SW846 8260B

BOE-C6-0052800

METHODS SUMMARY

E6K030407

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

E6K030407

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JH0ED	001	BIN 1-COMPOSITE	11/02/06	16:31
JH0EE	002	BIN 2-COMPOSITE	11/02/06	16:44

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

BOE-C6-0052802

Avocet Environmental Inc

Client Sample ID: BIN 1-COMPOSITE

GC/MS Volatiles

Lot-Sample #...: E6K030407-001 **Work Order #...:** JH0ED1AD **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55 **MS Run #.....:** 6312057
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312127 **Analysis Time..:** 14:31
Dilution Factor: 0.99
% Moisture.....: **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	11
Acrolein	ND	99	ug/kg	30
Acrylonitrile	ND	50	ug/kg	40
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	0.99
Bromodichloromethane	ND	5.0	ug/kg	0.99
Bromoform	ND	5.0	ug/kg	2.5
Bromomethane	ND	9.9	ug/kg	3.0
t-Butanol	ND	99	ug/kg	50
2-Butanone	ND	25	ug/kg	11
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	3.0
Carbon tetrachloride	ND	5.0	ug/kg	0.99
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	0.99
Chloroethane	ND	9.9	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	9.9	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	0.99
Chloromethane	ND	9.9	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	9.9	ug/kg	3.0
1,2-Dibromoethane	ND	5.0	ug/kg	2.5
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	9.9	ug/kg	2.0
1,1-Dichloroethane	ND	5.0	ug/kg	0.99
1,2-Dichloroethane	ND	5.0	ug/kg	0.99
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	0.99

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Avocet Environmental Inc

Client Sample ID: BIN 1-COMPOSITE

GC/MS Volatiles

Lot-Sample #...: E6K030407-001 **Work Order #...:** JH0ED1AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	0.99
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	0.99
Tert-amyl methyl ether	ND	9.9	ug/kg	2.0
Tert-butyl ethyl ether	ND	9.9	ug/kg	0.99
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	12
Iodomethane	ND	9.9	ug/kg	9.9
Isopropylbenzene	ND	5.0	ug/kg	2.0
Isopropyl ether	ND	9.9	ug/kg	0.99
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	9.9
Methyl tert-butyl ether	ND	5.0	ug/kg	0.99
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	9.9	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.5
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	**2.1 J**	**20**	**ug/kg**	**2.0**
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	0.99
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	9.9	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.5
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	9.9	ug/kg	5.0
Vinyl chloride	ND	9.9	ug/kg	2.5
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(60 - 125)
1,2-Dichloroethane-d4	94	(55 - 125)
Toluene-d8	82	(60 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: BIN 1-COMPOSITE

GC Volatiles

Lot-Sample #...:	E6K030407-001	**Work Order #...:**	JH0ED1AC	**Matrix.....:**	SO
Date Sampled...:	11/02/06 16:31	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6312174
Prep Date.....:	11/07/06	**Analysis Date..:**	11/07/06		
Prep Batch #...:	6312334	**Analysis Time..:**	19:52		
Dilution Factor:	1				
% Moisture.....:		**Analyst ID.....:**	001464	**Instrument ID..:**	G15
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	84	(70 - 130)

Avocet Environmental Inc

Client Sample ID: BIN 1-COMPOSITE

GC Semivolatiles

Lot-Sample #...:	E6K030407-001	**Work Order #...:**	JH0ED1AA	**Matrix.....:**	SO
Date Sampled...:	11/02/06 16:31	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6310152
Prep Date.....:	11/06/06	**Analysis Date..:**	11/09/06		
Prep Batch #...:	6310229	**Analysis Time..:**	14:19		
Dilution Factor:	1				
% Moisture.....:		**Analyst ID.....:**	402479	**Instrument ID..:**	G12
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	5.0	mg/kg	2.0
C10-C11	ND	5.0	mg/kg	2.0
C12-C13	ND	5.0	mg/kg	2.0
C14-C15	ND	5.0	mg/kg	2.0
C16-C17	ND	5.0	mg/kg	2.0
C18-C19	**5.5**	**5.0**	**mg/kg**	**2.0**
C20-C23	**7.5**	**5.0**	**mg/kg**	**2.0**
C24-C27	**7.7**	**5.0**	**mg/kg**	**2.0**
C28-C31	**18**	**5.0**	**mg/kg**	**2.0**
C32-C35	**18**	**5.0**	**mg/kg**	**2.0**
C36-C39	**18**	**5.0**	**mg/kg**	**2.0**
C40+	**6.6**	**5.0**	**mg/kg**	**2.0**
Total Carbon Chain Range	**82**	**5.0**	**mg/kg**	**2.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	85	(60 - 120)

Avocet Environmental Inc

Client Sample ID: BIN 1-COMPOSITE

TOTAL Metals

Lot-Sample #...: E6K030407-001 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6310441						
Silver	ND	1.0	mg/kg	SW846 6010B	11/06-11/08/06	JH0ED1AT
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.10	
Aluminum	**9750**	**20.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AE**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 20.0	
Arsenic	**5.8**	**1.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AG**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.40	
Barium	**74.9**	**2.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AH**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.10	
Beryllium	**0.27 B**	**0.50**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AJ**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.060	
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH0ED1AK
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.080	
Cobalt	**5.3**	**5.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AL**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.20	
Chromium	**15.2**	**1.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AX**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.20	
Copper	**13.2**	**2.5**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AM**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.40	

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Avocet Environmental Inc

Client Sample ID: BIN 1-COMPOSITE

TOTAL Metals

Lot-Sample #...: E6K030407-001 **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**0.72 B**	**4.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AP**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.30	
Nickel	**10.3**	**4.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AQ**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.30	
Lead	**3.6**	**0.50**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AN**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.25	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/06-11/08/06	JH0ED1AF
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.60	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH0ED1AR
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.50	
Thallium	**0.60 B**	**1.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AU**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.50	
Vanadium	**32.1**	**5.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AV**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.20	
Zinc	**33.7**	**2.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0ED1AW**
		Dilution Factor: 1		Analysis Time..: 19:21	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 1.0	

Prep Batch #...: 6310448

Mercury	**0.037 B**	**0.10**	**mg/kg**	**SW846 7471A**	**11/08-11/09/06**	**JH0ED1A0**
		Dilution Factor: 1		Analysis Time..: 18:23	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 6310285	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: BIN 2-COMPOSITE

GC/MS Volatiles

Lot-Sample #...: E6K030407-002 **Work Order #...:** JH0EE1AE **Matrix.....:** SO
Date Sampled...: 11/02/06 16:44 **Date Received..:** 11/03/06 08:55 **MS Run #.....:** 6312057
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312127 **Analysis Time..:** 14:51
Dilution Factor: 0.99
% Moisture.....: **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	11
Acrolein	ND	99	ug/kg	30
Acrylonitrile	ND	50	ug/kg	40
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	0.99
Bromodichloromethane	ND	5.0	ug/kg	0.99
Bromoform	ND	5.0	ug/kg	2.5
Bromomethane	ND	9.9	ug/kg	3.0
t-Butanol	ND	99	ug/kg	50
2-Butanone	ND	25	ug/kg	11
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	3.0
Carbon tetrachloride	ND	5.0	ug/kg	0.99
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	0.99
Chloroethane	ND	9.9	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	9.9	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	0.99
Chloromethane	ND	9.9	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	9.9	ug/kg	3.0
1,2-Dibromoethane	ND	5.0	ug/kg	2.5
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	9.9	ug/kg	2.0
1,1-Dichloroethane	ND	5.0	ug/kg	0.99
1,2-Dichloroethane	ND	5.0	ug/kg	0.99
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	0.99

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Avocet Environmental Inc

Client Sample ID: BIN 2-COMPOSITE

GC/MS Volatiles

Lot-Sample #...: E6K030407-002 **Work Order #...:** JH0EE1AE **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	0.99
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	0.99
Tert-amyl methyl ether	ND	9.9	ug/kg	2.0
Tert-butyl ethyl ether	ND	9.9	ug/kg	0.99
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	12
Iodomethane	ND	9.9	ug/kg	9.9
Isopropylbenzene	ND	5.0	ug/kg	2.0
Isopropyl ether	ND	9.9	ug/kg	0.99
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	9.9
Methyl tert-butyl ether	ND	5.0	ug/kg	0.99
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	9.9	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.5
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	**2.1 J**	**20**	**ug/kg**	**2.0**
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	0.99
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	9.9	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.5
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	9.9	ug/kg	5.0
Vinyl chloride	ND	9.9	ug/kg	2.5
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	78	(60 - 125)
1,2-Dichloroethane-d4	96	(55 - 125)
Toluene-d8	82	(60 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: BIN 2-COMPOSITE

GC Volatiles

Lot-Sample #...:	E6K030407-002	**Work Order #...:**	JH0EE1AD	**Matrix.....:**	SO
Date Sampled...:	11/02/06 16:44	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6312174
Prep Date.....:	11/07/06	**Analysis Date..:**	11/07/06		
Prep Batch #...:	6312334	**Analysis Time..:**	20:19		
Dilution Factor:	1				
% Moisture.....:		**Analyst ID.....:**	001464	**Instrument ID..:**	G15
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	88	(70 - 130)

Avocet Environmental Inc

Client Sample ID: BIN 2-COMPOSITE

GC Semivolatiles

Lot-Sample #...:	E6K030407-002	**Work Order #...:**	JH0EE1AC	**Matrix.....:**	SO
Date Sampled...:	11/02/06 16:44	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6310152
Prep Date.....:	11/06/06	**Analysis Date..:**	11/09/06		
Prep Batch #...:	6310229	**Analysis Time..:**	14:29		
Dilution Factor:	1				
% Moisture.....:		**Analyst ID.....:**	402479	**Instrument ID..:**	G12
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	5.0	mg/kg	2.0
C10-C11	ND	5.0	mg/kg	2.0
C12-C13	ND	5.0	mg/kg	2.0
C14-C15	ND	5.0	mg/kg	2.0
C16-C17	ND	5.0	mg/kg	2.0
C18-C19	ND	5.0	mg/kg	2.0
C20-C23	**4.8 J**	**5.0**	**mg/kg**	**2.0**
C24-C27	**11**	**5.0**	**mg/kg**	**2.0**
C28-C31	**31**	**5.0**	**mg/kg**	**2.0**
C32-C35	**33**	**5.0**	**mg/kg**	**2.0**
C36-C39	**30**	**5.0**	**mg/kg**	**2.0**
C40+	**10**	**5.0**	**mg/kg**	**2.0**
Total Carbon Chain Range	**120**	**5.0**	**mg/kg**	**2.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	83	(60 - 120)

NOTE(S):

J Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: BIN 2-COMPOSITE

TOTAL Metals

Lot-Sample #...: E6K030407-002 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:44 **Date Received..:** 11/03/06 08:55
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6310441						
Silver	ND	1.0	mg/kg	SW846 6010B	11/06-11/08/06	JH0EE1AU
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.10	
Aluminum	**10300**	**20.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AF**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 20.0	
Arsenic	**4.1**	**1.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AH**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.40	
Barium	**75.2**	**2.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AJ**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.10	
Beryllium	**0.30 B**	**0.50**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AK**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.060	
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH0EE1AL
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.080	
Cobalt	**6.2**	**5.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AM**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.20	
Chromium	**16.4**	**1.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1A0**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.20	
Copper	**14.4**	**2.5**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AN**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.40	

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Avocet Environmental Inc

Client Sample ID: BIN 2-COMPOSITE

TOTAL Metals

Lot-Sample #...: E6K030407-002 Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	**0.51 B**	**4.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AQ**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.30	
Nickel	**11.0**	**4.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AR**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.30	
Lead	**3.9**	**0.50**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AP**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.25	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/06-11/08/06	JH0EE1AG
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.60	
Selenium	**0.66**	**0.50**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AT**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.50	
Thallium	**1.1**	**1.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AV**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.50	
Vanadium	**29.4**	**5.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AW**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 0.20	
Zinc	**42.1**	**2.0**	**mg/kg**	**SW846 6010B**	**11/06-11/08/06**	**JH0EE1AX**
		Dilution Factor: 1		Analysis Time..: 19:51	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6310281	MDL.....: 1.0	

Prep Batch #...: 6310448

Mercury	**0.043 B**	**0.10**	**mg/kg**	**SW846 7471A**	**11/08-11/09/06**	**JH0EE1AA**
		Dilution Factor: 1		Analysis Time..: 18:25	Analyst ID.....: 021088	
		Instrument ID..: M04		MS Run #.....: 6310285	MDL.....: 0.020	

NOTE(S):

B Estimated result. Result is less than RL.

SEVERN TRENT STL

QA/QC

BOE-C6-0052815

QC DATA ASSOCIATION SUMMARY

E6K030407

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SO	SW846 8015B		6310229	6310152
	SO	SW846 8015B		6312334	6312174
	SO	SW846 7471A		6310448	6310285
	SO	SW846 8260B		6312127	6312057
	SO	SW846 6010B		6310441	6310281
002	SO	SW846 8015B		6310229	6310152
	SO	SW846 8015B		6312334	6312174
	SO	SW846 7471A		6310448	6310285
	SO	SW846 8260B		6312127	6312057
	SO	SW846 6010B		6310441	6310281

BOE-C6-0052816

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH6G21AA **Matrix.....:** SOLID
MB Lot-Sample #: E6K080000-127

Prep Date.....: 11/07/06 **Analysis Time..:** 13:58
Analysis Date..: 11/07/06 **Prep Batch #...:** 6312127 **Instrument ID..:** MSO
Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
t-Butanol	ND	100	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B

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BOE-C6-0052817

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH6G21AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Tert-amyl methyl ether	ND	10	ug/kg	SW846 8260B
Tert-butyl ethyl ether	ND	10	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Isopropyl ether	ND	10	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	73	(60 - 125)
1,2-Dichloroethane-d4	92	(55 - 125)
Toluene-d8	78	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E6K030407
MB Lot-Sample #: E6K080000-334

Analysis Date..: 11/07/06
Dilution Factor: 1

Work Order #...: JH67K1AA

Prep Date.....: 11/07/06
Prep Batch #...: 6312334

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 18:59
Instrument ID..: G15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	1.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	90	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E6K030407
MB Lot-Sample #: E6K060000-229

Work Order #...: JH2TW1AA

Matrix.....: SOLID

Prep Date.....: 11/06/06

Analysis Time..: 12:19

Analysis Date..: 11/09/06

Prep Batch #...: 6310229

Instrument ID..: G12

Dilution Factor: 1

Analyst ID.....: 402479

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	5.0	mg/kg	SW846 8015B
C10-C11	ND	5.0	mg/kg	SW846 8015B
C12-C13	ND	5.0	mg/kg	SW846 8015B
C14-C15	ND	5.0	mg/kg	SW846 8015B
C16-C17	ND	5.0	mg/kg	SW846 8015B
C18-C19	ND	5.0	mg/kg	SW846 8015B
C20-C23	ND	5.0	mg/kg	SW846 8015B
C24-C27	ND	5.0	mg/kg	SW846 8015B
C28-C31	ND	5.0	mg/kg	SW846 8015B
C32-C35	ND	5.0	mg/kg	SW846 8015B
C36-C39	ND	5.0	mg/kg	SW846 8015B
C40+	ND	5.0	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	5.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	93	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E6K060000-441 **Prep Batch #...:** 6310441						
Aluminum	ND	20.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AA
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AC
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AD
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AE
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AF
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AG
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	ND	1.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AU
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AH
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Copper	ND	2.5	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AJ
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AK
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AL
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	4.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AM
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AN
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AP
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AQ
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AR
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	11/06-11/08/06	JH3J91AT
		Dilution Factor: 1				
		Analysis Time..: 18:23		Analyst ID.....: 021088	Instrument ID..: M01	

MB Lot-Sample #: E6K060000-448 **Prep Batch #...:** 6310448

Mercury	ND	0.10	mg/kg	SW846 7471A	11/08-11/09/06	JH3LF1AA
		Dilution Factor: 1				
		Analysis Time..: 18:04		Analyst ID.....: 021088	Instrument ID..: M04	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH6G21AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K080000-127
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312127 **Analysis Time..:** 13:38
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: C04648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**109**	**(70 - 130)**	**SW846 8260B**
Bromodichloromethane	**115**	**(70 - 135)**	**SW846 8260B**
Carbon tetrachloride	**106**	**(60 - 140)**	**SW846 8260B**
m-Xylene & p-Xylene	**94**	**(70 - 130)**	**SW846 8260B**
Chloroform	**107**	**(70 - 130)**	**SW846 8260B**
o-Xylene	**95**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethane	**110**	**(70 - 130)**	**SW846 8260B**
1,2-Dichloroethane	**108**	**(70 - 130)**	**SW846 8260B**
cis-1,2-Dichloroethene	**113**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**110**	**(50 - 160)**	**SW846 8260B**
Ethylbenzene	**95**	**(70 - 130)**	**SW846 8260B**
Tetrachloroethene	**93**	**(70 - 130)**	**SW846 8260B**
Toluene	**93**	**(70 - 130)**	**SW846 8260B**
1,1,1-Trichloroethane	**107**	**(65 - 140)**	**SW846 8260B**
Trichloroethene	**105**	**(70 - 135)**	**SW846 8260B**
Vinyl chloride	**106**	**(40 - 160)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(60 - 125)
1,2-Dichloroethane-d4	92	(55 - 125)
Toluene-d8	81	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH6G21AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K080000-127
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312127 **Analysis Time..:** 13:38
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**54.3**	**ug/kg**	**109**	**SW846 8260B**
Bromodichloromethane	**50.0**	**57.4**	**ug/kg**	**115**	**SW846 8260B**
Carbon tetrachloride	**50.0**	**53.0**	**ug/kg**	**106**	**SW846 8260B**
m-Xylene & p-Xylene	**100**	**93.8**	**ug/kg**	**94**	**SW846 8260B**
Chloroform	**50.0**	**53.3**	**ug/kg**	**107**	**SW846 8260B**
o-Xylene	**50.0**	**47.7**	**ug/kg**	**95**	**SW846 8260B**
1,1-Dichloroethane	**50.0**	**55.0**	**ug/kg**	**110**	**SW846 8260B**
1,2-Dichloroethane	**50.0**	**54.2**	**ug/kg**	**108**	**SW846 8260B**
cis-1,2-Dichloroethene	**50.0**	**56.3**	**ug/kg**	**113**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**55.1**	**ug/kg**	**110**	**SW846 8260B**
Ethylbenzene	**50.0**	**47.7**	**ug/kg**	**95**	**SW846 8260B**
Tetrachloroethene	**50.0**	**46.7**	**ug/kg**	**93**	**SW846 8260B**
Toluene	**50.0**	**46.5**	**ug/kg**	**93**	**SW846 8260B**
1,1,1-Trichloroethane	**50.0**	**53.3**	**ug/kg**	**107**	**SW846 8260B**
Trichloroethene	**50.0**	**52.5**	**ug/kg**	**105**	**SW846 8260B**
Vinyl chloride	**50.0**	**53.1**	**ug/kg**	**106**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	79	(60 - 125)
1,2-Dichloroethane-d4	92	(55 - 125)
Toluene-d8	81	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH67K1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K080000-334
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312334 **Analysis Time..:** 19:26
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**95**	**(65 - 135)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	123	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH67K1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K080000-334
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312334 **Analysis Time..:** 19:26
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**4.75**	**mg/kg**	**95**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	123	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E6K030407 **Work Order #...:** JH2TW1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K060000-229
Prep Date.....: 11/06/06 **Analysis Date..:** 11/09/06
Prep Batch #...: 6310229 **Analysis Time..:** 12:29
Dilution Factor: 1 **Instrument ID..:** G12
Analyst ID.....: 402479

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**92**	**(65 - 135)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	96	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E6K030407 **Work Order #...:** JH2TW1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K060000-229
Prep Date.....: 11/06/06 **Analysis Date..:** 11/09/06
Prep Batch #...: 6310229 **Analysis Time..:** 12:29
Dilution Factor: 1 **Instrument ID..:** G12
Analyst ID.....: 402479

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**125**	**115**	**mg/kg**	**92**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	96	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E6K060000-441 **Prep Batch #...:** 6310441					
Aluminum	102	(70 - 115)	SW846 6010B	11/06-11/08/06	JH3J91AV
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Antimony	102	(70 - 115)	SW846 6010B	11/06-11/08/06	JH3J91AW
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Arsenic	102	(80 - 115)	SW846 6010B	11/06-11/08/06	JH3J91AX
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Barium	103	(80 - 115)	SW846 6010B	11/06-11/08/06	JH3J91A0
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Beryllium	105	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A1
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cadmium	99	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A2
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cobalt	98	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A3
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Copper	103	(85 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A4
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Lead	101	(75 - 115)	SW846 6010B	11/06-11/08/06	JH3J91A5
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Molybdenum	101	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A6
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			

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BOE-C6-0052829

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	99	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A7
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Selenium	100	(75 - 110)	SW846 6010B	11/06-11/08/06	JH3J91A8
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Silver	102	(75 - 120)	SW846 6010B	11/06-11/08/06	JH3J91A9
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Thallium	101	(75 - 120)	SW846 6010B	11/06-11/08/06	JH3J91CA
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Vanadium	101	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91CC
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Zinc	108	(80 - 120)	SW846 6010B	11/06-11/08/06	JH3J91CD
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			
Chromium	100	(85 - 120)	SW846 6010B	11/06-11/08/06	JH3J91CE
		Dilution Factor: 1	Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01			

LCS Lot-Sample#: E6K060000-448 **Prep Batch #...:** 6310448

Mercury	111	(80 - 115)	SW846 7471A	11/08-11/09/06	JH3LF1AC
		Dilution Factor: 1	Analysis Time..: 18:06	Analyst ID.....: 021088	
		Instrument ID..: M04			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E6K060000-441 **Prep Batch #...:** 6310441							
Aluminum	200	205	mg/kg	102	SW846 6010B	11/06-11/08/06	JH3J91AV
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Antimony	50.0	51.1	mg/kg	102	SW846 6010B	11/06-11/08/06	JH3J91AW
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Arsenic	200	204	mg/kg	102	SW846 6010B	11/06-11/08/06	JH3J91AX
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Barium	200	206	mg/kg	103	SW846 6010B	11/06-11/08/06	JH3J91A0
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Beryllium	5.00	5.23	mg/kg	105	SW846 6010B	11/06-11/08/06	JH3J91A1
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cadmium	5.00	4.95	mg/kg	99	SW846 6010B	11/06-11/08/06	JH3J91A2
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cobalt	50.0	48.9	mg/kg	98	SW846 6010B	11/06-11/08/06	JH3J91A3
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Copper	25.0	25.8	mg/kg	103	SW846 6010B	11/06-11/08/06	JH3J91A4
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Lead	50.0	50.4	mg/kg	101	SW846 6010B	11/06-11/08/06	JH3J91A5
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Molybdenum	100	101	mg/kg	101	SW846 6010B	11/06-11/08/06	JH3J91A6
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	50.0	49.5	mg/kg	99	SW846 6010B	11/06-11/08/06	JH3J91A7
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Selenium	200	200	mg/kg	100	SW846 6010B	11/06-11/08/06	JH3J91A8
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Silver	5.00	5.10	mg/kg	102	SW846 6010B	11/06-11/08/06	JH3J91A9
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Thallium	200	202	mg/kg	101	SW846 6010B	11/06-11/08/06	JH3J91CA
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Vanadium	50.0	50.6	mg/kg	101	SW846 6010B	11/06-11/08/06	JH3J91CC
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Zinc	50.0	54.1	mg/kg	108	SW846 6010B	11/06-11/08/06	JH3J91CD
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				
Chromium	20.0	19.9	mg/kg	100	SW846 6010B	11/06-11/08/06	JH3J91CE
			Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
			Instrument ID..: M01				

LCS Lot-Sample#: E6K060000-448 **Prep Batch #...:** 6310448

Mercury	0.833	0.922	mg/kg	111	SW846 7471A	11/08-11/09/06	JH3LF1AC
			Dilution Factor: 1		Analysis Time..: 18:06	Analyst ID.....: 021088	
			Instrument ID..: M04				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E6K030407	**Work Order #...:**	JH0EE1A1-MS	**Matrix.....:**	SO
MS Lot-Sample #:	E6K030407-002		JH0EE1A2-MSD		
Date Sampled...:	11/02/06 16:44	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6312057
Prep Date.....:	11/07/06	**Analysis Date..:**	11/07/06		
Prep Batch #...:	6312127	**Analysis Time..:**	15:11		
Dilution Factor:	0.97	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**103**	**(70 - 130)**			**SW846 8260B**
	102	**(70 - 130)**	**0.96**	**(0-30)**	**SW846 8260B**
Bromodichloromethane	**111**	**(70 - 135)**			**SW846 8260B**
	110	**(70 - 135)**	**1.1**	**(0-30)**	**SW846 8260B**
Carbon tetrachloride	**103**	**(60 - 140)**			**SW846 8260B**
	103	**(60 - 140)**	**1.2**	**(0-30)**	**SW846 8260B**
m-Xylene & p-Xylene	**89**	**(70 - 130)**			**SW846 8260B**
	88	**(70 - 130)**	**1.6**	**(0-30)**	**SW846 8260B**
Chloroform	**102**	**(70 - 130)**			**SW846 8260B**
	101	**(70 - 130)**	**1.2**	**(0-30)**	**SW846 8260B**
o-Xylene	**91**	**(70 - 130)**			**SW846 8260B**
	90	**(70 - 130)**	**1.0**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	**105**	**(70 - 130)**			**SW846 8260B**
	105	**(70 - 130)**	**2.3**	**(0-30)**	**SW846 8260B**
1,2-Dichloroethane	**107**	**(70 - 130)**			**SW846 8260B**
	106	**(70 - 130)**	**1.0**	**(0-30)**	**SW846 8260B**
cis-1,2-Dichloroethene	**107**	**(70 - 130)**			**SW846 8260B**
	107	**(70 - 130)**	**2.6**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(50 - 160)**			**SW846 8260B**
	110	**(50 - 160)**	**16**	**(0-30)**	**SW846 8260B**
Ethylbenzene	**89**	**(70 - 130)**			**SW846 8260B**
	90	**(70 - 130)**	**2.5**	**(0-30)**	**SW846 8260B**
Tetrachloroethene	**87**	**(70 - 130)**			**SW846 8260B**
	88	**(70 - 130)**	**2.7**	**(0-30)**	**SW846 8260B**
Toluene	**88**	**(70 - 130)**			**SW846 8260B**
	87	**(70 - 130)**	**0.46**	**(0-30)**	**SW846 8260B**
1,1,1-Trichloroethane	**102**	**(65 - 140)**			**SW846 8260B**
	102	**(65 - 140)**	**2.6**	**(0-30)**	**SW846 8260B**
Trichloroethene	**106**	**(70 - 135)**			**SW846 8260B**
	107	**(70 - 135)**	**2.5**	**(0-30)**	**SW846 8260B**
Vinyl chloride	**92**	**(40 - 160)**			**SW846 8260B**
	93	**(40 - 160)**	**3.4**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	78	(60 - 125)
	77	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
	95	(55 - 125)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH0EE1A1-MS **Matrix.....:** SO
MS Lot-Sample #: E6K030407-002 JH0EE1A2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	82	(60 - 125)
	82	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052834

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...:	E6K030407	**Work Order #...:**	JH0EE1A1-MS	**Matrix.....:**	SO
MS Lot-Sample #:	E6K030407-002		JH0EE1A2-MSD		
Date Sampled...:	11/02/06 16:44	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6312057
Prep Date.....:	11/07/06	**Analysis Date..:**	11/07/06		
Prep Batch #...:	6312127	**Analysis Time..:**	15:11		
Dilution Factor:	0.97	**Analyst ID.....:**	004648	**Instrument ID..:**	MSO

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**48.9**	**50.4**	**ug/kg**	**103**		**SW846 8260B**
	ND	**49.9**	**50.9**	**ug/kg**	**102**	**0.96**	**SW846 8260B**
Bromodichloromethane	**ND**	**48.9**	**54.3**	**ug/kg**	**111**		**SW846 8260B**
	ND	**49.9**	**55.0**	**ug/kg**	**110**	**1.1**	**SW846 8260B**
Carbon tetrachloride	**ND**	**48.9**	**50.6**	**ug/kg**	**103**		**SW846 8260B**
	ND	**49.9**	**51.2**	**ug/kg**	**103**	**1.2**	**SW846 8260B**
m-Xylene & p-Xylene	**ND**	**97.8**	**86.7**	**ug/kg**	**89**		**SW846 8260B**
	ND	**99.8**	**88.1**	**ug/kg**	**88**	**1.6**	**SW846 8260B**
Chloroform	**ND**	**48.9**	**49.9**	**ug/kg**	**102**		**SW846 8260B**
	ND	**49.9**	**50.5**	**ug/kg**	**101**	**1.2**	**SW846 8260B**
o-Xylene	**ND**	**48.9**	**44.4**	**ug/kg**	**91**		**SW846 8260B**
	ND	**49.9**	**44.9**	**ug/kg**	**90**	**1.0**	**SW846 8260B**
1,1-Dichloroethane	**ND**	**48.9**	**51.2**	**ug/kg**	**105**		**SW846 8260B**
	ND	**49.9**	**52.4**	**ug/kg**	**105**	**2.3**	**SW846 8260B**
1,2-Dichloroethane	**ND**	**48.9**	**52.4**	**ug/kg**	**107**		**SW846 8260B**
	ND	**49.9**	**53.0**	**ug/kg**	**106**	**1.0**	**SW846 8260B**
cis-1,2-Dichloroethene	**ND**	**48.9**	**52.2**	**ug/kg**	**107**		**SW846 8260B**
	ND	**49.9**	**53.6**	**ug/kg**	**107**	**2.6**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**48.9**	**46.6**	**ug/kg**	**95**		**SW846 8260B**
	ND	**49.9**	**54.9**	**ug/kg**	**110**	**16**	**SW846 8260B**
Ethylbenzene	**ND**	**48.9**	**43.7**	**ug/kg**	**89**		**SW846 8260B**
	ND	**49.9**	**44.8**	**ug/kg**	**90**	**2.5**	**SW846 8260B**
Tetrachloroethene	**ND**	**48.9**	**42.6**	**ug/kg**	**87**		**SW846 8260B**
	ND	**49.9**	**43.8**	**ug/kg**	**88**	**2.7**	**SW846 8260B**
Toluene	**ND**	**48.9**	**43.0**	**ug/kg**	**88**		**SW846 8260B**
	ND	**49.9**	**43.2**	**ug/kg**	**87**	**0.46**	**SW846 8260B**
1,1,1-Trichloroethane	**ND**	**48.9**	**49.7**	**ug/kg**	**102**		**SW846 8260B**
	ND	**49.9**	**51.0**	**ug/kg**	**102**	**2.6**	**SW846 8260B**
Trichloroethene	**ND**	**48.9**	**51.9**	**ug/kg**	**106**		**SW846 8260B**
	ND	**49.9**	**53.2**	**ug/kg**	**107**	**2.5**	**SW846 8260B**
Vinyl chloride	**ND**	**48.9**	**45.1**	**ug/kg**	**92**		**SW846 8260B**
	ND	**49.9**	**46.6**	**ug/kg**	**93**	**3.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	78	(60 - 125)
	77	(60 - 125)
1,2-Dichloroethane-d4	93	(55 - 125)
	95	(55 - 125)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH0EE1A1-MS **Matrix.....:** SO
MS Lot-Sample #: E6K030407-002 JH0EE1A2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	82	(60 - 125)
	82	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052836

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E6K030407	**Work Order #...:**	JH0ED1C5-MS	**Matrix.....:**	SO
MS Lot-Sample #:	E6K030407-001		JH0ED1C6-MSD		
Date Sampled...:	11/02/06 16:31	**Date Received..:**	11/03/06 08:55	**MS Run #.....:**	6312174
Prep Date.....:	11/07/06	**Analysis Date..:**	11/07/06		
Prep Batch #...:	6312334	**Analysis Time..:**	22:06		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**82**	**(65 - 135)**			**SW846 8015B**
	80	**(65 - 135)**	**2.1**	**(0-30)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	111	(70 - 130)
	112	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E6K030407 **Work Order #...:** JH0ED1C5-MS **Matrix.....:** SO
MS Lot-Sample #: E6K030407-001 JH0ED1C6-MSD
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55 **MS Run #.....:** 6312174
Prep Date.....: 11/07/06 **Analysis Date..:** 11/07/06
Prep Batch #...: 6312334 **Analysis Time..:** 22:06
Dilution Factor: 1 **Analyst ID.....:** 001464 **Instrument ID..:** G15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.11**	**mg/kg**	**82**		**SW846 8015B**
	ND	**5.00**	**4.02**	**mg/kg**	**80**	**2.1**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	111	(70 - 130)
	112	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	E6K030407	**Work Order #...:**	JHXF11AG-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6K030301-001		JHXF11AH-MSD		
Date Sampled...:	11/02/06 10:30	**Date Received..:**	11/03/06 12:05	**MS Run #.....:**	6310152
Prep Date.....:	11/06/06	**Analysis Date..:**	11/09/06		
Prep Batch #...:	6310229	**Analysis Time..:**	13:09		
Dilution Factor:	1	**% Moisture.....:**	5.4	**Analyst ID.....:**	402479
Instrument ID..:	G12				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**67**	**(65 - 135)**			**SW846 8015B**
	88	**(65 - 135)**	**27**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	74	(60 - 120)
	94	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...:	E6K030407	**Work Order #...:**	JHXF11AG-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6K030301-001		JHXF11AH-MSD		
Date Sampled...:	11/02/06 10:30	**Date Received..:**	11/03/06 12:05	**MS Run #.....:**	6310152
Prep Date.....:	11/06/06	**Analysis Date..:**	11/09/06		
Prep Batch #...:	6310229	**Analysis Time..:**	13:09		
Dilution Factor:	1	**% Moisture.....:**	5.4	**Analyst ID.....:**	402479
Instrument ID..:	G12				

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	**ND**	**125**	**84.2**	**mg/kg**	**67**		**SW846 8015B**
	ND	**125**	**110**	**mg/kg**	**88**	**27**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	74	(60 - 120)
	94	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K030407-001 **Prep Batch #...:** 6310441							
Aluminum	NC	(70 - 115)			SW846 6010B	11/06-11/08/06	JH0ED1A1
	NC	(70 - 115)		(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1A2
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Antimony	18 N	(70 - 115)			SW846 6010B	11/06-11/08/06	JH0ED1A3
	19 N	(70 - 115)	3.8	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1A4
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Arsenic	73 N	(80 - 115)			SW846 6010B	11/06-11/08/06	JH0ED1A5
	77 N	(80 - 115)	3.9	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1A6
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Barium	79 N	(80 - 115)			SW846 6010B	11/06-11/08/06	JH0ED1A7
	81	(80 - 115)	1.8	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1A8
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Beryllium	75 N	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1A9
	78 N	(80 - 120)	2.7	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CA
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Cadmium	69 N	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CC
	72 N	(80 - 120)	3.5	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CD
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Chromium	75 N	(85 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1C3
	69 N	(85 - 120)	4.0	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1C4
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	73 N	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CE
	74 N	(80 - 120)	0.66	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CF
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Copper	83 N	(85 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CG
	78 N	(85 - 120)	3.8	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CH
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Lead	74 N	(75 - 115)			SW846 6010B	11/06-11/08/06	JH0ED1CJ
	75	(75 - 115)	0.64	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CK
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Molybdenum	71 N	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CL
	74 N	(80 - 120)	4.0	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CM
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Nickel	74 N	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CN
	74 N	(80 - 120)	0.24	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CP
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Selenium	71 N	(75 - 110)			SW846 6010B	11/06-11/08/06	JH0ED1CQ
	75	(75 - 110)	4.7	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CR
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Silver	71 N	(75 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CT
	75	(75 - 120)	5.3	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CU
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	72 N	(75 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CV
	75	(75 - 120)	4.0	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1CW
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Vanadium	79 N	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1CX
	75 N	(80 - 120)	2.8	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1C0
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					
Zinc	85	(80 - 120)			SW846 6010B	11/06-11/08/06	JH0ED1C1
	79 N	(80 - 120)	3.8	(0-20)	SW846 6010B	11/06-11/08/06	JH0ED1C2
		Dilution Factor: 1					
		Analysis Time..: 19:36			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6310281					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K030407-001 **Prep Batch #...:** 6310441									
Aluminum									
	9750	200	11900	mg/kg			SW846 6010B	11/06-11/08/06	JH0ED1A1
			Qualifiers: NC						
	9750	200	10500	mg/kg			SW846 6010B	11/06-11/08/06	JH0ED1A2
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Antimony									
	ND	50.0	8.92 N	mg/kg	18		SW846 6010B	11/06-11/08/06	JH0ED1A3
	ND	50.0	9.26 N	mg/kg	19	3.8	SW846 6010B	11/06-11/08/06	JH0ED1A4
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Arsenic									
	5.8	200	153 N	mg/kg	73		SW846 6010B	11/06-11/08/06	JH0ED1A5
	5.8	200	159 N	mg/kg	77	3.9	SW846 6010B	11/06-11/08/06	JH0ED1A6
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Barium									
	74.9	200	234 N	mg/kg	79		SW846 6010B	11/06-11/08/06	JH0ED1A7
	74.9	200	238	mg/kg	81	1.8	SW846 6010B	11/06-11/08/06	JH0ED1A8
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Beryllium									
	0.27	5.00	4.04 N	mg/kg	75		SW846 6010B	11/06-11/08/06	JH0ED1A9
	0.27	5.00	4.15 N	mg/kg	78	2.7	SW846 6010B	11/06-11/08/06	JH0ED1CA
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Cadmium									
	ND	5.00	3.46 N	mg/kg	69		SW846 6010B	11/06-11/08/06	JH0ED1CC
	ND	5.00	3.58 N	mg/kg	72	3.5	SW846 6010B	11/06-11/08/06	JH0ED1CD
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	15.2	20.0	30.3 N	mg/kg	75		SW846 6010B	11/06-11/08/06	JH0ED1C3
	15.2	20.0	29.1 N	mg/kg	69	4.0	SW846 6010B	11/06-11/08/06	JH0ED1C4
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Cobalt									
	5.3	50.0	41.9 N	mg/kg	73		SW846 6010B	11/06-11/08/06	JH0ED1CE
	5.3	50.0	42.2 N	mg/kg	74	0.66	SW846 6010B	11/06-11/08/06	JH0ED1CF
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Copper									
	13.2	25.0	33.9 N	mg/kg	83		SW846 6010B	11/06-11/08/06	JH0ED1CG
	13.2	25.0	32.6 N	mg/kg	78	3.8	SW846 6010B	11/06-11/08/06	JH0ED1CH
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Lead									
	3.6	50.0	40.7 N	mg/kg	74		SW846 6010B	11/06-11/08/06	JH0ED1CJ
	3.6	50.0	41.0	mg/kg	75	0.64	SW846 6010B	11/06-11/08/06	JH0ED1CK
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Molybdenum									
	0.72	100	71.6 N	mg/kg	71		SW846 6010B	11/06-11/08/06	JH0ED1CL
	0.72	100	74.5 N	mg/kg	74	4.0	SW846 6010B	11/06-11/08/06	JH0ED1CM
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Nickel									
	10.3	50.0	47.2 N	mg/kg	74		SW846 6010B	11/06-11/08/06	JH0ED1CN
	10.3	50.0	47.1 N	mg/kg	74	0.24	SW846 6010B	11/06-11/08/06	JH0ED1CP
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SO
Date Sampled...: 11/02/06 16:31 **Date Received..:** 11/03/06 08:55

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	ND	200	143 N	mg/kg	71		SW846 6010B	11/06-11/08/06	JH0ED1CQ
	ND	200	150	mg/kg	75	4.7	SW846 6010B	11/06-11/08/06	JH0ED1CR
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Silver									
	ND	5.00	3.55 N	mg/kg	71		SW846 6010B	11/06-11/08/06	JH0ED1CT
	ND	5.00	3.74	mg/kg	75	5.3	SW846 6010B	11/06-11/08/06	JH0ED1CU
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Thallium									
	0.60	200	145 N	mg/kg	72		SW846 6010B	11/06-11/08/06	JH0ED1CV
	0.60	200	151	mg/kg	75	4.0	SW846 6010B	11/06-11/08/06	JH0ED1CW
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Vanadium									
	32.1	50.0	71.4 N	mg/kg	79		SW846 6010B	11/06-11/08/06	JH0ED1CX
	32.1	50.0	69.5 N	mg/kg	75	2.8	SW846 6010B	11/06-11/08/06	JH0ED1C0
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						
Zinc									
	33.7	50.0	76.0	mg/kg	85		SW846 6010B	11/06-11/08/06	JH0ED1C1
	33.7	50.0	73.1 N	mg/kg	79	3.8	SW846 6010B	11/06-11/08/06	JH0ED1C2
			Dilution Factor: 1						
			Analysis Time..: 19:36		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6310281						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID
Date Sampled...: 11/01/06 10:00 **Date Received..:** 11/02/06 10:20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K020226-001 **Prep Batch #...:** 6310448							
						% Moisture.....: 35	
Mercury	84	(80 - 120)			SW846 7471A	11/08-11/09/06	JHR3A1A0
	75 N	(80 - 120)	7.5	(0-20)	SW846 7471A	11/08-11/09/06	JHR3A1A1

Dilution Factor: 1
Analysis Time..: 18:10 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 6310285

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K030407 **Matrix.....:** SOLID
Date Sampled...: 11/01/06 10:00 **Date Received..:** 11/02/06 10:20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K020226-001 **Prep Batch #...:** 6310448									
								% Moisture.....: 35	
Mercury									
	0.066	0.167	0.207	mg/kg	84		SW846 7471A	11/08-11/09/06	JHR3A1A0
	0.066	0.167	0.192 N	mg/kg	75	7.5	SW846 7471A	11/08-11/09/06	JHR3A1A1

Dilution Factor: 1
Analysis Time..: 18:10 Instrument ID..: M04 Analyst ID.....: 021088
MS Run #.....: 6310285

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

November 20, 2006

STL LOT NUMBER: **E6K100363**
PO/CONTRACT: 1155.002

MICHAEL RENDINA
Avocet Environmental Inc
16 Technology Drive, Suite 154
Irvine, CA 92618-2327

Dear MICHAEL RENDINA,

This report contains the analytical results for the four samples received under chain of custody by STL Los Angeles on November 10, 2006. These samples are associated with your The Boeing Company - C6 Facility project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the coolers received for this project can be found on the Project Receipt Checklist.

The preliminary report was sent today, November 20, 2006.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000050 pages.

BOE-C6-0052849

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Trupti Mistry
Project Manager
CC: Project File

BOE-C6-0052850

E6K100363

E6K100363

CHAIN OF CUSTODY RECORD

AVO110906A

AVOCET ENVIRONMENTAL, INC.
16 Technology Drive, Suite 154
Irvine, California 92618-2327
(949) 296-0977
FAX (949) 296-0978

Project Name	The Boeing Company - C6 Facility
Project No.	1155.002
Location	Los Angeles, CA
Project Manager	Michael A. Rendina
email:	mrendina@avocetenv.com
Sheet	1 of 1

Sample Identification	Sample Date	Sample Time	Matrix	Samplers Initials	Number of containers	Analysis: TPH by EPA Method 8015B-CC	VOCs by EPA Method 8260B	Title 22 Metals by EPA 6010 (Mercury by 7471A)									Hold	Rem.
Bin 3W	11/9/2006	7:57	SS	MAR	1	x	x	x										5-day TAT
Bin 3E	11/9/2006	7:58	SS	MAR	1	x	x	x										5-day TAT
Bin 3N	11/9/2006	7:59	SS	MAR	1	x	x	x										5-day TAT

Please composite samples Bin 3W, 3E, and 3N into one sample and test one sample Bin 3-composite for TPH, VOCs, and metals. Do not send confirmation or results to Boeing EDMS. Thanks, Mike Rendina

	Signature	Company	Date	Time
Collected by	[signature]	Avocet Environmental, Inc.	11/9/06	13:30
Relinquished by	[signature]	Avocet Environmental, Inc.	11/10/06	
Received by	[signature]	STL	11/10/06	1435
Relinquished by	[signature]	STL	11/10/06	1515
Received by	[signature]	STL	11/10/06	1515
Relinquished by				
Received by				

Temp – 5.7 - 0.2 = 5.5

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 11/10/06

Single Cooler Only

LIMS Lot #: E6K100363 Quote #: 73051

Client Name: Avtrat Project: Boeing C6 facility

Received by: SG Date/Time Received: 11/10/06 1515

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other

****

Initial / Date

Custody Seal Status Cooler: ☐Intact ☐Broken ☒None ..... SG 11/10/06

Custody Seal Status Samples: ☐Intact ☐Broken ☒None .....

Custody Seal #(s): N/A ☒No Seal #.....

Sampler Signature on COC ☐ Yes ☐No ☒N/A.....

IR Gun # __B_ Correction Factor __-.2_°C IR passed daily verification ☒ Yes ☐No .....

Temperature - **BLANK** 5.1 °C - .2 CF = 5.5 °C ...**Cooler #1 ID** N/A .....

Temperature – **COOLER** (____°C ____°C ____°C ____°C) = _____ avg °C -__.2 __ CF = _____°C.....

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A...

Sample Container(s): ☒ STL-LA ☐ Client .....

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒ N/A..

Anomalies: ☒No ☐Yes – complete CUR and Create NCM .....

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No.....

Labeled by: SG .....

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☒ 5 day RUSH–72HR ☐NORMAL..... SG 11/10/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A SG 11/10/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E6K100363

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-3													
VOAH														
402(gj)	1													

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 11/10/05

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: Logged in by other STL ☐ ____ 11/10/05

PM Review/Date:

STL

Analytical Report

ANALYTICAL REPORT

PROJECT NO. 1155.002

The Boeing Co - C6 Facility

Lot #: E6K100363

MICHAEL RENDINA

Avocet Environmental Inc

SEVERN TRENT LABORATORIES, INC.

Trupti Mistry
Project Manager

November 20, 2006

EXECUTIVE SUMMARY - Detection Highlights

E6K100363

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
COMPOSITE 1,2, AND 3 11/09/06 07:57 004				
Mercury	0.031 B	0.10	mg/kg	SW846 7471A
Aluminum	11700	20.0	mg/kg	SW846 6010B
Arsenic	9.7	1.0	mg/kg	SW846 6010B
Barium	88.3 J	2.0	mg/kg	SW846 6010B
Beryllium	0.48 B,J	0.50	mg/kg	SW846 6010B
Cobalt	7.3	5.0	mg/kg	SW846 6010B
Chromium	17.8	1.0	mg/kg	SW846 6010B
Copper	17.0	2.5	mg/kg	SW846 6010B
Molybdenum	0.96 B	4.0	mg/kg	SW846 6010B
Nickel	12.1	4.0	mg/kg	SW846 6010B
Lead	3.4	0.50	mg/kg	SW846 6010B
Thallium	0.83 B	1.0	mg/kg	SW846 6010B
Vanadium	37.1	5.0	mg/kg	SW846 6010B
Zinc	42.4	2.0	mg/kg	SW846 6010B

BOE-C6-0052856

METHODS SUMMARY

E6K100363

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

BOE-C6-0052857

SAMPLE SUMMARY

E6K100363

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JJG38	004	COMPOSITE 1,2, AND 3	11/09/06	07:57

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

BOE-C6-0052858

Avocet Environmental Inc

Client Sample ID: COMPOSITE 1,2, AND 3

GC/MS Volatiles

Lot-Sample #...: E6K100363-004 **Work Order #...:** JJG381AD **Matrix.....:** SO
Date Sampled...: 11/09/06 07:57 **Date Received..:** 11/10/06 15:15 **MS Run #.....:** 6318188
Prep Date.....: 11/13/06 **Analysis Date..:** 11/13/06
Prep Batch #...: 6318282 **Analysis Time..:** 10:21
Dilution Factor: 0.99
% Moisture.....: **Analyst ID.....:** 004648 **Instrument ID..:** MSO
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	25	ug/kg	11
Acrolein	ND	99	ug/kg	30
Acrylonitrile	ND	50	ug/kg	40
Benzene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
Bromochloromethane	ND	5.0	ug/kg	0.99
Bromodichloromethane	ND	5.0	ug/kg	0.99
Bromoform	ND	5.0	ug/kg	2.5
Bromomethane	ND	9.9	ug/kg	3.0
t-Butanol	ND	99	ug/kg	50
2-Butanone	ND	25	ug/kg	11
n-Butylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
Carbon disulfide	ND	5.0	ug/kg	3.0
Carbon tetrachloride	ND	5.0	ug/kg	0.99
Chlorobenzene	ND	5.0	ug/kg	2.0
Dibromochloromethane	ND	5.0	ug/kg	0.99
Chloroethane	ND	9.9	ug/kg	2.0
2-Chloroethyl vinyl ether	ND	9.9	ug/kg	5.0
Chloroform	ND	5.0	ug/kg	0.99
Chloromethane	ND	9.9	ug/kg	3.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	9.9	ug/kg	3.0
1,2-Dibromoethane	ND	5.0	ug/kg	2.5
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
Dichlorodifluoromethane	ND	9.9	ug/kg	2.0
1,1-Dichloroethane	ND	5.0	ug/kg	0.99
1,2-Dichloroethane	ND	5.0	ug/kg	0.99
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	0.99

(Continued on next page)

Avocet Environmental Inc

Client Sample ID: COMPOSITE 1,2, AND 3

GC/MS Volatiles

Lot-Sample #...: E6K100363-004 **Work Order #...:** JJG381AD **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	0.99
trans-1,3-Dichloropropene	ND	5.0	ug/kg	2.0
1,1-Dichloropropene	ND	5.0	ug/kg	0.99
Tert-amyl methyl ether	ND	9.9	ug/kg	2.0
Tert-butyl ethyl ether	ND	9.9	ug/kg	0.99
Ethylbenzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	12
Iodomethane	ND	9.9	ug/kg	9.9
Isopropylbenzene	ND	5.0	ug/kg	2.0
Isopropyl ether	ND	9.9	ug/kg	0.99
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	2.0
4-Methyl-2-pentanone	ND	25	ug/kg	9.9
Methyl tert-butyl ether	ND	5.0	ug/kg	0.99
n-Propylbenzene	ND	5.0	ug/kg	2.0
Styrene	ND	9.9	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	2.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	2.5
Tetrachloroethene	ND	5.0	ug/kg	2.0
Tetrahydrofuran	ND	20	ug/kg	2.0
Toluene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
1,1,1-Trichloroethane	ND	5.0	ug/kg	0.99
1,1,2-Trichloroethane	ND	5.0	ug/kg	2.0
Trichloroethene	ND	5.0	ug/kg	2.0
Trichlorofluoromethane	ND	9.9	ug/kg	2.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	2.5
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
Vinyl acetate	ND	9.9	ug/kg	5.0
Vinyl chloride	ND	9.9	ug/kg	2.5
Xylenes (total)	ND	5.0	ug/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	74	(60 - 125)
1,2-Dichloroethane-d4	83	(55 - 125)
Toluene-d8	76	(60 - 125)

BOE-C6-0052860

Avocet Environmental Inc

Client Sample ID: COMPOSITE 1,2, AND 3

GC Volatiles

Lot-Sample #...:	E6K100363-004	**Work Order #...:**	JJG381AC	**Matrix.....:**	SO
Date Sampled...:	11/09/06 07:57	**Date Received..:**	11/10/06 15:15	**MS Run #.....:**	6319235
Prep Date.....:	11/14/06	**Analysis Date..:**	11/14/06		
Prep Batch #...:	6319372	**Analysis Time..:**	12:08		
Dilution Factor:	1				
% Moisture.....:		**Analyst ID.....:**	001464	**Instrument ID..:**	G15
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	83	(70 - 130)

Avocet Environmental Inc

Client Sample ID: COMPOSITE 1,2, AND 3

GC Semivolatiles

Lot-Sample #...:	E6K100363-004	**Work Order #...:**	JJG381AA	**Matrix.....:**	SO
Date Sampled...:	11/09/06 07:57	**Date Received..:**	11/10/06 15:15	**MS Run #.....:**	6317246
Prep Date.....:	11/13/06	**Analysis Date..:**	11/14/06		
Prep Batch #...:	6317408	**Analysis Time..:**	13:24		
Dilution Factor:	1				
% Moisture.....:		**Analyst ID.....:**	402479	**Instrument ID..:**	G12
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	5.0	mg/kg	2.0
C10-C11	ND	5.0	mg/kg	2.0
C12-C13	ND	5.0	mg/kg	2.0
C14-C15	ND	5.0	mg/kg	2.0
C16-C17	ND	5.0	mg/kg	2.0
C18-C19	ND	5.0	mg/kg	2.0
C20-C23	ND	5.0	mg/kg	2.0
C24-C27	ND	5.0	mg/kg	2.0
C28-C31	ND	5.0	mg/kg	2.0
C32-C35	ND	5.0	mg/kg	2.0
C36-C39	ND	5.0	mg/kg	2.0
C40+	ND	5.0	mg/kg	2.0
Total Carbon Chain Range	ND	5.0	mg/kg	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	77	(60 - 120)

Avocet Environmental Inc

Client Sample ID: COMPOSITE 1,2, AND 3

TOTAL Metals

Lot-Sample #...: E6K100363-004 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:57 **Date Received..:** 11/10/06 15:15
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6314542						
Mercury	**0.031 B**	**0.10**	**mg/kg**	**SW846 7471A**	**11/13-11/14/06**	**JJG381A0**
		Dilution Factor: 1		Analysis Time..: 13:43	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 6314315	MDL.....: 0.020	
Prep Batch #...: 6317548						
Silver	ND	1.0	mg/kg	SW846 6010B	11/13-11/15/06	JJG381AT
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.10	
Aluminum	**11700**	**20.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AE**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 20.0	
Arsenic	**9.7**	**1.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AG**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.40	
Barium	**88.3 J**	**2.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AH**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.10	
Beryllium	**0.48 B,J**	**0.50**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AJ**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.060	
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/13-11/15/06	JJG381AK
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.080	
Cobalt	**7.3**	**5.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AL**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.20	
Chromium	**17.8**	**1.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AX**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.20	

(Continued on next page)

Avocet Environmental Inc

Client Sample ID: COMPOSITE 1,2, AND 3

TOTAL Metals

Lot-Sample #...: E6K100363-004 **Matrix.....:** SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**17.0**	**2.5**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AM**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.40	
Molybdenum	**0.96 B**	**4.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AP**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.30	
Nickel	**12.1**	**4.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AQ**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.30	
Lead	**3.4**	**0.50**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AN**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.25	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/13-11/15/06	JJG381AF
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.60	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/13-11/15/06	JJG381AR
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.50	
Thallium	**0.83 B**	**1.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AU**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.50	
Vanadium	**37.1**	**5.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AV**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 0.20	
Zinc	**42.4**	**2.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJG381AW**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6317320	MDL.....: 1.0	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL

QA/QC

BOE-C6-0052865

QC DATA ASSOCIATION SUMMARY

E6K100363

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	SO	SW846 8015B		6317408	6317246
	SO	SW846 8015B		6319372	6319235
	SO	SW846 7471A		6314542	6314315
	SO	SW846 8260B		6318282	6318188
	SO	SW846 6010B		6317548	6317320

BOE-C6-0052866

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJM1Q1AA **Matrix.....:** SOLID
MB Lot-Sample #: E6K140000-282

Prep Date.....: 11/13/06 **Analysis Time..:** 09:41
Analysis Date..: 11/13/06 **Prep Batch #...:** 6318282 **Instrument ID..:** MSO
Dilution Factor: 1

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	25	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
t-Butanol	ND	100	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B

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BOE-C6-0052867

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJM1Q1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Tert-amyl methyl ether	ND	10	ug/kg	SW846 8260B
Tert-butyl ethyl ether	ND	10	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
Isopropyl ether	ND	10	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	74	(60 - 125)
1,2-Dichloroethane-d4	83	(55 - 125)
Toluene-d8	75	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

BOE-C6-0052868

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E6K100363
MB Lot-Sample #: E6K150000-372

Analysis Date..: 11/14/06
Dilution Factor: 1

Work Order #...: JJQA61AA

Prep Date.....: 11/14/06
Prep Batch #...: 6319372

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time..: 11:14
Instrument ID..: G15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	1.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	94	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E6K100363
MB Lot-Sample #: E6K130000-408
Analysis Date..: 11/14/06
Dilution Factor: 1

Work Order #...: JJK1V1AA
Prep Date.....: 11/13/06
Prep Batch #...: 6317408
Analyst ID.....: 402479

Matrix.....: SOLID
Analysis Time..: 13:04
Instrument ID..: G12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	5.0	mg/kg	SW846 8015B
C10-C11	ND	5.0	mg/kg	SW846 8015B
C12-C13	ND	5.0	mg/kg	SW846 8015B
C14-C15	ND	5.0	mg/kg	SW846 8015B
C16-C17	ND	5.0	mg/kg	SW846 8015B
C18-C19	ND	5.0	mg/kg	SW846 8015B
C20-C23	ND	5.0	mg/kg	SW846 8015B
C24-C27	ND	5.0	mg/kg	SW846 8015B
C28-C31	ND	5.0	mg/kg	SW846 8015B
C32-C35	ND	5.0	mg/kg	SW846 8015B
C36-C39	ND	5.0	mg/kg	SW846 8015B
C40+	ND	5.0	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	5.0	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	80	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E6K100000-542 **Prep Batch #...:** 6314542						
Mercury	ND	0.10	mg/kg	SW846 7471A	11/13-11/14/06	JJGEA1AA
		Dilution Factor: 1				
		Analysis Time..: 13:20		Analyst ID.....: 000023	Instrument ID..: M04	
MB Lot-Sample #: E6K130000-548 **Prep Batch #...:** 6317548						
Aluminum	ND	20.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AA
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AC
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AD
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	**0.21 B**	**2.0**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJLGD1AE**
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	**0.19 B**	**0.50**	**mg/kg**	**SW846 6010B**	**11/13-11/15/06**	**JJLGD1AF**
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AG
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	ND	1.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AU
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AH
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Copper	ND	2.5	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	

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BOE-C6-0052871

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.50	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AK
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	ND	4.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AL
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Nickel	ND	4.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AM
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AN
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AP
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	ND	1.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AQ
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	ND	5.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AR
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	ND	2.0	mg/kg	SW846 6010B	11/13-11/15/06	JJLGD1AT
		Dilution Factor: 1				
		Analysis Time..: 18:48		Analyst ID.....: 021088	Instrument ID..: M01	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJM1Q1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K140000-282
Prep Date.....: 11/13/06 **Analysis Date..:** 11/13/06
Prep Batch #...: 6318282 **Analysis Time..:** 09:21
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**90**	**(70 - 130)**	**SW846 8260B**
Bromodichloromethane	**102**	**(70 - 135)**	**SW846 8260B**
Carbon tetrachloride	**93**	**(60 - 140)**	**SW846 8260B**
m-Xylene & p-Xylene	**87**	**(70 - 130)**	**SW846 8260B**
Chloroform	**94**	**(70 - 130)**	**SW846 8260B**
o-Xylene	**90**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethane	**93**	**(70 - 130)**	**SW846 8260B**
1,2-Dichloroethane	**99**	**(70 - 130)**	**SW846 8260B**
cis-1,2-Dichloroethene	**95**	**(70 - 130)**	**SW846 8260B**
1,1-Dichloroethene	**95**	**(50 - 160)**	**SW846 8260B**
Ethylbenzene	**88**	**(70 - 130)**	**SW846 8260B**
Tetrachloroethene	**86**	**(70 - 130)**	**SW846 8260B**
Toluene	**87**	**(70 - 130)**	**SW846 8260B**
1,1,1-Trichloroethane	**91**	**(65 - 140)**	**SW846 8260B**
Trichloroethene	**88**	**(70 - 135)**	**SW846 8260B**
Vinyl chloride	**91**	**(40 - 160)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(60 - 125)
1,2-Dichloroethane-d4	81	(55 - 125)
Toluene-d8	76	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJM1Q1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K140000-282
Prep Date.....: 11/13/06 **Analysis Date..:** 11/13/06
Prep Batch #...: 6318282 **Analysis Time..:** 09:21
Dilution Factor: 1 **Instrument ID..:** MSO
Analyst ID.....: 004648

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**50.0**	**45.2**	**ug/kg**	**90**	**SW846 8260B**
Bromodichloromethane	**50.0**	**51.0**	**ug/kg**	**102**	**SW846 8260B**
Carbon tetrachloride	**50.0**	**46.7**	**ug/kg**	**93**	**SW846 8260B**
m-Xylene & p-Xylene	**100**	**87.4**	**ug/kg**	**87**	**SW846 8260B**
Chloroform	**50.0**	**47.1**	**ug/kg**	**94**	**SW846 8260B**
o-Xylene	**50.0**	**45.1**	**ug/kg**	**90**	**SW846 8260B**
1,1-Dichloroethane	**50.0**	**46.6**	**ug/kg**	**93**	**SW846 8260B**
1,2-Dichloroethane	**50.0**	**49.4**	**ug/kg**	**99**	**SW846 8260B**
cis-1,2-Dichloroethene	**50.0**	**47.4**	**ug/kg**	**95**	**SW846 8260B**
1,1-Dichloroethene	**50.0**	**47.7**	**ug/kg**	**95**	**SW846 8260B**
Ethylbenzene	**50.0**	**44.1**	**ug/kg**	**88**	**SW846 8260B**
Tetrachloroethene	**50.0**	**43.0**	**ug/kg**	**86**	**SW846 8260B**
Toluene	**50.0**	**43.4**	**ug/kg**	**87**	**SW846 8260B**
1,1,1-Trichloroethane	**50.0**	**45.7**	**ug/kg**	**91**	**SW846 8260B**
Trichloroethene	**50.0**	**44.1**	**ug/kg**	**88**	**SW846 8260B**
Vinyl chloride	**50.0**	**45.5**	**ug/kg**	**91**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	75	(60 - 125)
1,2-Dichloroethane-d4	81	(55 - 125)
Toluene-d8	76	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052874

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJQA61AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K150000-372
Prep Date.....: 11/14/06 **Analysis Date..:** 11/14/06
Prep Batch #...: 6319372 **Analysis Time..:** 11:41
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**90**	**(65 - 135)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	119	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJQA61AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K150000-372
Prep Date.....: 11/14/06 **Analysis Date..:** 11/14/06
Prep Batch #...: 6319372 **Analysis Time..:** 11:41
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**5.00**	**4.52**	**mg/kg**	**90**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	119	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E6K100363 **Work Order #...:** JJK1V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K130000-408
Prep Date.....: 11/13/06 **Analysis Date..:** 11/14/06
Prep Batch #...: 6317408 **Analysis Time..:** 13:14
Dilution Factor: 1 **Instrument ID..:** G12
Analyst ID.....: 402479

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	**99**	**(65 - 135)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	85	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E6K100363 **Work Order #...:** JJK1V1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E6K130000-408
Prep Date.....: 11/13/06 **Analysis Date..:** 11/14/06
Prep Batch #...: 6317408 **Analysis Time..:** 13:14
Dilution Factor: 1 **Instrument ID..:** G12
Analyst ID.....: 402479

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Diesel)	**125**	**124**	**mg/kg**	**99**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	85	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E6K100000-542 **Prep Batch #...:** 6314542					
Mercury	112	(80 - 115)	SW846 7471A	11/13-11/14/06	JJGEA1AC
		Dilution Factor: 1	Analysis Time..: 13:22	Analyst ID.....: 000023	
		Instrument ID..: M04			
LCS Lot-Sample#: E6K130000-548 **Prep Batch #...:** 6317548					
Aluminum	101	(70 - 115)	SW846 6010B	11/13-11/15/06	JJLGD1AV
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Antimony	102	(70 - 115)	SW846 6010B	11/13-11/15/06	JJLGD1AW
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Arsenic	104	(80 - 115)	SW846 6010B	11/13-11/15/06	JJLGD1AX
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Barium	104	(80 - 115)	SW846 6010B	11/13-11/15/06	JJLGD1A0
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Beryllium	101	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A1
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cadmium	98	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A2
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Cobalt	95	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A3
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Copper	104	(85 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A4
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Lead	100	(75 - 115)	SW846 6010B	11/13-11/15/06	JJLGD1A5
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	99	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A6
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Nickel	98	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A7
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Selenium	97	(75 - 110)	SW846 6010B	11/13-11/15/06	JJLGD1A8
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Silver	108	(75 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1A9
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Thallium	100	(75 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1CA
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Vanadium	97	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1CC
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Zinc	104	(80 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1CD
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			
Chromium	96	(85 - 120)	SW846 6010B	11/13-11/15/06	JJLGD1CE
		Dilution Factor: 1	Analysis Time..: 18:54	Analyst ID.....: 021088	
		Instrument ID..: M01			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E6K100000-542 **Prep Batch #...:** 6314542							
Mercury	0.833	0.932	mg/kg	112	SW846 7471A	11/13-11/14/06	JJGEA1AC
			Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 000023	
			Instrument ID..: M04				
LCS Lot-Sample#: E6K130000-548 **Prep Batch #...:** 6317548							
Aluminum	200	203	mg/kg	101	SW846 6010B	11/13-11/15/06	JJLGD1AV
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Antimony	50.0	51.2	mg/kg	102	SW846 6010B	11/13-11/15/06	JJLGD1AW
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Arsenic	200	208	mg/kg	104	SW846 6010B	11/13-11/15/06	JJLGD1AX
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Barium	200	207	mg/kg	104	SW846 6010B	11/13-11/15/06	JJLGD1A0
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Beryllium	5.00	5.03	mg/kg	101	SW846 6010B	11/13-11/15/06	JJLGD1A1
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cadmium	5.00	4.91	mg/kg	98	SW846 6010B	11/13-11/15/06	JJLGD1A2
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cobalt	50.0	47.6	mg/kg	95	SW846 6010B	11/13-11/15/06	JJLGD1A3
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Copper	25.0	26.1	mg/kg	104	SW846 6010B	11/13-11/15/06	JJLGD1A4
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Lead	50.0	49.9	mg/kg	100	SW846 6010B	11/13-11/15/06	JJLGD1A5
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	100	98.7	mg/kg	99	SW846 6010B	11/13-11/15/06	JJLGD1A6
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Nickel	50.0	48.9	mg/kg	98	SW846 6010B	11/13-11/15/06	JJLGD1A7
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Selenium	200	194	mg/kg	97	SW846 6010B	11/13-11/15/06	JJLGD1A8
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Silver	5.00	5.39	mg/kg	108	SW846 6010B	11/13-11/15/06	JJLGD1A9
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Thallium	200	200	mg/kg	100	SW846 6010B	11/13-11/15/06	JJLGD1CA
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Vanadium	50.0	48.6	mg/kg	97	SW846 6010B	11/13-11/15/06	JJLGD1CC
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Zinc	50.0	51.8	mg/kg	104	SW846 6010B	11/13-11/15/06	JJLGD1CD
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				
Chromium	20.0	19.2	mg/kg	96	SW846 6010B	11/13-11/15/06	JJLGD1CE
			Dilution Factor: 1		Analysis Time..: 18:54	Analyst ID.....: 021088	
			Instrument ID..: M01				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...:	E6K100363	**Work Order #...:**	JJHLN1AD-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	E6K090429-002		JJHLN1AE-MSD		
Date Sampled...:	11/09/06 12:10	**Date Received..:**	11/09/06 18:45	**MS Run #.....:**	6318188
Prep Date.....:	11/13/06	**Analysis Date..:**	11/13/06		
Prep Batch #...:	6318282	**Analysis Time..:**	11:42		
Dilution Factor:	1	**% Moisture.....:**	0.0	**Analyst ID.....:**	004648
Instrument ID..:	MSO				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**88**	**(70 - 130)**			**SW846 8260B**
	88	**(70 - 130)**	**0.02**	**(0-30)**	**SW846 8260B**
Bromodichloromethane	**96**	**(70 - 135)**			**SW846 8260B**
	98	**(70 - 135)**	**1.6**	**(0-30)**	**SW846 8260B**
Carbon tetrachloride	**89**	**(60 - 140)**			**SW846 8260B**
	89	**(60 - 140)**	**0.47**	**(0-30)**	**SW846 8260B**
m-Xylene & p-Xylene	**86**	**(70 - 130)**			**SW846 8260B**
	87	**(70 - 130)**	**0.40**	**(0-30)**	**SW846 8260B**
Chloroform	**88**	**(70 - 130)**			**SW846 8260B**
	88	**(70 - 130)**	**0.16**	**(0-30)**	**SW846 8260B**
o-Xylene	**88**	**(70 - 130)**			**SW846 8260B**
	89	**(70 - 130)**	**0.24**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	**87**	**(70 - 130)**			**SW846 8260B**
	90	**(70 - 130)**	**3.2**	**(0-30)**	**SW846 8260B**
1,2-Dichloroethane	**94**	**(70 - 130)**			**SW846 8260B**
	94	**(70 - 130)**	**0.57**	**(0-30)**	**SW846 8260B**
cis-1,2-Dichloroethene	**92**	**(70 - 130)**			**SW846 8260B**
	92	**(70 - 130)**	**0.13**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethene	**83**	**(50 - 160)**			**SW846 8260B**
	85	**(50 - 160)**	**1.3**	**(0-30)**	**SW846 8260B**
Ethylbenzene	**87**	**(70 - 130)**			**SW846 8260B**
	88	**(70 - 130)**	**0.43**	**(0-30)**	**SW846 8260B**
Tetrachloroethene	**84**	**(70 - 130)**			**SW846 8260B**
	86	**(70 - 130)**	**2.6**	**(0-30)**	**SW846 8260B**
Toluene	**86**	**(70 - 130)**			**SW846 8260B**
	86	**(70 - 130)**	**0.09**	**(0-30)**	**SW846 8260B**
1,1,1-Trichloroethane	**84**	**(65 - 140)**			**SW846 8260B**
	85	**(65 - 140)**	**1.1**	**(0-30)**	**SW846 8260B**
Trichloroethene	**88**	**(70 - 135)**			**SW846 8260B**
	87	**(70 - 135)**	**0.59**	**(0-30)**	**SW846 8260B**
Vinyl chloride	**87**	**(40 - 160)**			**SW846 8260B**
	88	**(40 - 160)**	**0.91**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	77	(60 - 125)
	79	(60 - 125)

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BOE-C6-0052883

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJHLN1AD-MS **Matrix.....:** SOLID
MS Lot-Sample #: E6K090429-002 JJHLN1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(55 - 125)
	78	(55 - 125)
Toluene-d8	79	(60 - 125)
	79	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052884

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJHLN1AD-MS **Matrix.....:** SOLID
MS Lot-Sample #: E6K090429-002 JJHLN1AE-MSD
Date Sampled...: 11/09/06 12:10 **Date Received..:** 11/09/06 18:45 **MS Run #.....:** 6318188
Prep Date.....: 11/13/06 **Analysis Date..:** 11/13/06
Prep Batch #...: 6318282 **Analysis Time..:** 11:42
Dilution Factor: 1 **% Moisture.....:** 0.0 **Analyst ID.....:** 004648
Instrument ID..: MSO

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	50.0	44.1	ug/kg	88		SW846 8260B
	ND	49.9	44.1	ug/kg	88	0.02	SW846 8260B
Bromodichloromethane	ND	50.0	48.2	ug/kg	96		SW846 8260B
	ND	49.9	49.0	ug/kg	98	1.6	SW846 8260B
Carbon tetrachloride	ND	50.0	44.3	ug/kg	89		SW846 8260B
	ND	49.9	44.5	ug/kg	89	0.47	SW846 8260B
m-Xylene & p-Xylene	ND	100	86.4	ug/kg	86		SW846 8260B
	ND	99.8	86.7	ug/kg	87	0.40	SW846 8260B
Chloroform	ND	50.0	43.8	ug/kg	88		SW846 8260B
	ND	49.9	43.9	ug/kg	88	0.16	SW846 8260B
o-Xylene	ND	50.0	44.2	ug/kg	88		SW846 8260B
	ND	49.9	44.3	ug/kg	89	0.24	SW846 8260B
1,1-Dichloroethane	1.1	50.0	44.6	ug/kg	87		SW846 8260B
	1.1	49.9	46.0	ug/kg	90	3.2	SW846 8260B
1,2-Dichloroethane	ND	50.0	47.2	ug/kg	94		SW846 8260B
	ND	49.9	46.9	ug/kg	94	0.57	SW846 8260B
cis-1,2-Dichloroethene	ND	50.0	46.0	ug/kg	92		SW846 8260B
	ND	49.9	46.1	ug/kg	92	0.13	SW846 8260B
1,1-Dichloroethene	3.8	50.0	45.5	ug/kg	83		SW846 8260B
	3.8	49.9	46.0	ug/kg	85	1.3	SW846 8260B
Ethylbenzene	ND	50.0	43.6	ug/kg	87		SW846 8260B
	ND	49.9	43.7	ug/kg	88	0.43	SW846 8260B
Tetrachloroethene	ND	50.0	41.8	ug/kg	84		SW846 8260B
	ND	49.9	42.9	ug/kg	86	2.6	SW846 8260B
Toluene	ND	50.0	43.0	ug/kg	86		SW846 8260B
	ND	49.9	43.1	ug/kg	86	0.09	SW846 8260B
1,1,1-Trichloroethane	3.7	50.0	45.5	ug/kg	84		SW846 8260B
	3.7	49.9	46.0	ug/kg	85	1.1	SW846 8260B
Trichloroethene	ND	50.0	43.9	ug/kg	88		SW846 8260B
	ND	49.9	43.6	ug/kg	87	0.59	SW846 8260B
Vinyl chloride	ND	50.0	43.4	ug/kg	87		SW846 8260B
	ND	49.9	43.8	ug/kg	88	0.91	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	77	(60 - 125)
	79	(60 - 125)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJHLN1AD-MS **Matrix.....:** SOLID
MS Lot-Sample #: E6K090429-002 JJHLN1AE-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(55 - 125)
	78	(55 - 125)
Toluene-d8	79	(60 - 125)
	79	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052886

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E6K100363	**Work Order #...:**	JJG381C7-MS	**Matrix.....:**	SO
MS Lot-Sample #:	E6K100363-004		JJG381C8-MSD		
Date Sampled...:	11/09/06 07:59	**Date Received..:**	11/10/06 15:15	**MS Run #.....:**	6319235
Prep Date.....:	11/14/06	**Analysis Date..:**	11/14/06		
Prep Batch #...:	6319372	**Analysis Time..:**	12:34		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**89**	**(65 - 135)**			**SW846 8015B**
	89	**(65 - 135)**	**0.24**	**(0-30)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(70 - 130)
	118	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E6K100363 **Work Order #...:** JJG381C7-MS **Matrix.....:** SO
MS Lot-Sample #: E6K100363-004 JJG381C8-MSD
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15 **MS Run #.....:** 6319235
Prep Date.....: 11/14/06 **Analysis Date..:** 11/14/06
Prep Batch #...: 6319372 **Analysis Time..:** 12:34
Dilution Factor: 1 **Analyst ID.....:** 001464 **Instrument ID..:** G15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	**ND**	**5.00**	**4.45**	**mg/kg**	**89**		**SW846 8015B**
	ND	**5.00**	**4.44**	**mg/kg**	**89**	**0.24**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	121	(70 - 130)
	118	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	E6K100363	**Work Order #...:**	JJG381A1-MS	**Matrix.....:**	SO
MS Lot-Sample #:	E6K100363-004		JJG381A2-MSD		
Date Sampled...:	11/09/06 07:59	**Date Received..:**	11/10/06 15:15	**MS Run #.....:**	6317246
Prep Date.....:	11/13/06	**Analysis Date..:**	11/14/06		
Prep Batch #...:	6317408	**Analysis Time..:**	13:34		
Dilution Factor:	1	**Analyst ID.....:**	402479	**Instrument ID..:**	G12

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Diesel)	**108**	**(65 - 135)**			**SW846 8015B**
	81	**(65 - 135)**	**27**	**(0-35)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	85	(60 - 120)
	66	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...:	E6K100363	**Work Order #...:**	JJG381A1-MS	**Matrix.....:**	SO
MS Lot-Sample #:	E6K100363-004		JJG381A2-MSD		
Date Sampled...:	11/09/06 07:59	**Date Received..:**	11/10/06 15:15	**MS Run #.....:**	6317246
Prep Date.....:	11/13/06	**Analysis Date..:**	11/14/06		
Prep Batch #...:	6317408	**Analysis Time..:**	13:34		
Dilution Factor:	1	**Analyst ID.....:**	402479	**Instrument ID..:**	G12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Diesel)	**3.0**	**125**	**138**	**mg/kg**	**108**		**SW846 8015B**
	3.0	**125**	**104**	**mg/kg**	**81**	**27**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	85	(60 - 120)
	66	(60 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID
Date Sampled...: 11/02/06 11:30 **Date Received..:** 11/03/06 08:55

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K030210-001 **Prep Batch #...:** 6314542							
						% Moisture.....: 12	
Mercury	102	(80 - 120)			SW846 7471A	11/13-11/14/06	JHWND1DK
	124 N	(80 - 120)	16	(0-20)	SW846 7471A	11/13-11/14/06	JHWND1DL

Dilution Factor: 1
Analysis Time..: 13:26 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 6314315

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SOLID
Date Sampled...: 11/02/06 11:30 **Date Received..:** 11/03/06 08:55

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K030210-001 **Prep Batch #...:** 6314542									
								% Moisture.....: 12	
Mercury									
	0.056	0.167	0.225	mg/kg	102		SW846 7471A	11/13-11/14/06	JHWND1DK
	0.056	0.167	0.263 N	mg/kg	124	16	SW846 7471A	11/13-11/14/06	JHWND1DL

Dilution Factor: 1
Analysis Time..: 13:26 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 6314315

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K100363-004 **Prep Batch #...:** 6317548							
Aluminum	NC	(70 - 115)			SW846 6010B	11/13-11/15/06	JJG381A3
	NC	(70 - 115)		(0-20)	SW846 6010B	11/13-11/15/06	JJG381A4
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Antimony	37 N	(70 - 115)			SW846 6010B	11/13-11/15/06	JJG381A5
	34 N	(70 - 115)	6.9	(0-20)	SW846 6010B	11/13-11/15/06	JJG381A6
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Arsenic	95	(80 - 115)			SW846 6010B	11/13-11/15/06	JJG381A7
	96	(80 - 115)	1.0	(0-20)	SW846 6010B	11/13-11/15/06	JJG381A8
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Barium	90	(80 - 115)			SW846 6010B	11/13-11/15/06	JJG381A9
	94	(80 - 115)	2.4	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CA
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Beryllium	91	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381CC
	92	(80 - 120)	0.59	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CD
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Cadmium	89	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381CE
	90	(80 - 120)	0.93	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CF
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Chromium	90	(85 - 120)			SW846 6010B	11/13-11/15/06	JJG381C5
	94	(85 - 120)	2.1	(0-20)	SW846 6010B	11/13-11/15/06	JJG381C6
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	90	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381CG
	90	(80 - 120)	0.12	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CH
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Copper	99	(85 - 120)			SW846 6010B	11/13-11/15/06	JJG381CJ
	103	(85 - 120)	2.4	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CK
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Lead	92	(75 - 115)			SW846 6010B	11/13-11/15/06	JJG381CL
	93	(75 - 115)	0.85	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CM
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Molybdenum	89	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381CN
	89	(80 - 120)	0.33	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CP
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Nickel	92	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381CQ
	93	(80 - 120)	0.70	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CR
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Selenium	92	(75 - 110)			SW846 6010B	11/13-11/15/06	JJG381CT
	92	(75 - 110)	0.55	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CU
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Silver	97	(75 - 120)			SW846 6010B	11/13-11/15/06	JJG381CV
	98	(75 - 120)	1.5	(0-20)	SW846 6010B	11/13-11/15/06	JJG381CW
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	92	(75 - 120)			SW846 6010B	11/13-11/15/06	JJG381CX
	92	(75 - 120)	0.67	(0-20)	SW846 6010B	11/13-11/15/06	JJG381C0
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Vanadium	84	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381C1
	87	(80 - 120)	1.8	(0-20)	SW846 6010B	11/13-11/15/06	JJG381C2
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					
Zinc	99	(80 - 120)			SW846 6010B	11/13-11/15/06	JJG381C3
	97	(80 - 120)	0.75	(0-20)	SW846 6010B	11/13-11/15/06	JJG381C4
		Dilution Factor: 1					
		Analysis Time..: 19:17			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6317320					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K100363-004 **Prep Batch #...:** 6317548									
Aluminum									
	11700	200	11600	mg/kg			SW846 6010B	11/13-11/15/06	JJG381A3
			Qualifiers: NC						
	11700	200	12100	mg/kg			SW846 6010B	11/13-11/15/06	JJG381A4
			Qualifiers: NC						
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Antimony									
	ND	50.0	18.4 N	mg/kg	37		SW846 6010B	11/13-11/15/06	JJG381A5
	ND	50.0	17.2 N	mg/kg	34	6.9	SW846 6010B	11/13-11/15/06	JJG381A6
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Arsenic									
	9.7	200	200	mg/kg	95		SW846 6010B	11/13-11/15/06	JJG381A7
	9.7	200	202	mg/kg	96	1.0	SW846 6010B	11/13-11/15/06	JJG381A8
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Barium									
	88.3	200	269	mg/kg	90		SW846 6010B	11/13-11/15/06	JJG381A9
	88.3	200	276	mg/kg	94	2.4	SW846 6010B	11/13-11/15/06	JJG381CA
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Beryllium									
	0.48	5.00	5.04	mg/kg	91		SW846 6010B	11/13-11/15/06	JJG381CC
	0.48	5.00	5.07	mg/kg	92	0.59	SW846 6010B	11/13-11/15/06	JJG381CD
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Cadmium									
	ND	5.00	4.47	mg/kg	89		SW846 6010B	11/13-11/15/06	JJG381CE
	ND	5.00	4.51	mg/kg	90	0.93	SW846 6010B	11/13-11/15/06	JJG381CF
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	17.8	20.0	35.8	mg/kg	90		SW846 6010B	11/13-11/15/06	JJG381C5
	17.8	20.0	36.6	mg/kg	94	2.1	SW846 6010B	11/13-11/15/06	JJG381C6
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Cobalt									
	7.3	50.0	52.0	mg/kg	90		SW846 6010B	11/13-11/15/06	JJG381CG
	7.3	50.0	52.1	mg/kg	90	0.12	SW846 6010B	11/13-11/15/06	JJG381CH
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Copper									
	17.0	25.0	41.6	mg/kg	99		SW846 6010B	11/13-11/15/06	JJG381CJ
	17.0	25.0	42.7	mg/kg	103	2.4	SW846 6010B	11/13-11/15/06	JJG381CK
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Lead									
	3.4	50.0	49.3	mg/kg	92		SW846 6010B	11/13-11/15/06	JJG381CL
	3.4	50.0	49.7	mg/kg	93	0.85	SW846 6010B	11/13-11/15/06	JJG381CM
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Molybdenum									
	0.96	100	89.8	mg/kg	89		SW846 6010B	11/13-11/15/06	JJG381CN
	0.96	100	90.1	mg/kg	89	0.33	SW846 6010B	11/13-11/15/06	JJG381CP
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Nickel									
	12.1	50.0	58.3	mg/kg	92		SW846 6010B	11/13-11/15/06	JJG381CQ
	12.1	50.0	58.7	mg/kg	93	0.70	SW846 6010B	11/13-11/15/06	JJG381CR
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E6K100363 **Matrix.....:** SO
Date Sampled...: 11/09/06 07:59 **Date Received..:** 11/10/06 15:15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium									
	ND	200	183	mg/kg	92		SW846 6010B	11/13-11/15/06	JJG381CT
	ND	200	184	mg/kg	92	0.55	SW846 6010B	11/13-11/15/06	JJG381CU
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Silver									
	ND	5.00	4.84	mg/kg	97		SW846 6010B	11/13-11/15/06	JJG381CV
	ND	5.00	4.91	mg/kg	98	1.5	SW846 6010B	11/13-11/15/06	JJG381CW
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Thallium									
	0.83	200	185	mg/kg	92		SW846 6010B	11/13-11/15/06	JJG381CX
	0.83	200	186	mg/kg	92	0.67	SW846 6010B	11/13-11/15/06	JJG381C0
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Vanadium									
	37.1	50.0	79.3	mg/kg	84		SW846 6010B	11/13-11/15/06	JJG381C1
	37.1	50.0	80.7	mg/kg	87	1.8	SW846 6010B	11/13-11/15/06	JJG381C2
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						
Zinc									
	42.4	50.0	91.7	mg/kg	99		SW846 6010B	11/13-11/15/06	JJG381C3
	42.4	50.0	91.0	mg/kg	97	0.75	SW846 6010B	11/13-11/15/06	JJG381C4
			Dilution Factor: 1						
			Analysis Time..: 19:17		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6317320						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

November 24, 2006

STL LOT NUMBER: **E6K150191**
PO/CONTRACT: 1155.002

Michael Rendina
Avocet Environmental Inc
16 Technology Drive, Suite 154
Irvine, CA 92618-2327

Dear Michael Rendina,

This report contains the analytical results for the two samples received under chain of custody by STL Los Angeles on November 15, 2006. These samples are associated with your The Boeing Co - C6 Facility project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

Any matrix related anomaly is footnoted within the report. A cooler receipt temperature between 2-6 degrees Celsius is within EPA acceptance criteria. The temperature(s) of the coolers received for this project can be found on the Project Receipt Checklist.

The preliminary report was sent on November 22, 2006.

This report shall not be reproduced except in full, without the written approval of the laboratory.

000063

This report contains _____ pages.

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Trupti Mistry
Project Manager
CC: Project File

LOT NUMBER E6K150191

Nonconformance 05-0018015

Affected Samples:
E6K150191 (1): SUNRIDER BAKER TANK
E6K150191 (2): LOT 8 BAKER TANK

Affected Methods:
8015B (E)

Case Narrative:
There was insufficient sample volume provided to prepare a project-specific MS/MSD. A duplicate LCS has been prepared to provide accuracy and precision measurement for the samples in this project.

Nonconformance 05-0018069

Affected Samples:
E6K150191 (1): SUNRIDER BAKER TANK
E6K150191 (2): LOT 8 BAKER TANK

Affected Methods:
None specified.

Case Narrative:
Samples were received unfiltered and unpreserved for Dissolved Metals Analysis. Samples were filtered and preserved at the laboratory with Nitric Acid (Lot # 6623B51037) to a Ph < 2 on 11/15/06.

BOE-C6-0052901

E6K150191

E6K150191

CHAIN OF CUSTODY RECORD

AVO111406A

AVOCET ENVIRONMENTAL, INC.
16 Technology Drive, Suite 154
Irvine, California 92618-2327
(949) 296-0977
FAX (949) 296-0978

Project Name	The Boeing Company - C6 Facility
Project No.	1155.002
Location	Los Angeles, CA
Project Manager	Michael A. Rendina
email:	mrendina@avocetenv.com
Sheet	1 of 1

Sample Identification	Sample Date	Sample Time	Matrix	Samplers Initials	Number of containers	TPH by EPA Method 8015M	VOCs by EPA Method 8260B	Title 22 Metals by EPA 6010/7000	Hold	Rem.
Sunrider Baker Tank	11/14/2006	1307	Aq	Deb	54	x	x	x		5-day TAT
Lot 8 Baker Tank	11/14/2006	1517	Aq	Deb	54	x	x	x		5-day TAT
										~~5-day TAT~~

Please filter and preserve samples for metals analysis in laboratory. Do not send confirmation or results to Boeing EDMS. Thanks, Mike Rendina

	Signature	Company	Date	Time
Collected by	[signature]	Avocet Environmental, Inc.	11-14-06	1517
Relinquished by	[signature]	Avocet Environmental, Inc.	11-15-06	0825
Received by	[signature]	STL	11-15-06	0825
Relinquished by	[signature]	STL	11-15-06	0940
Received by	[signature]	STL	11-15-06	9:40
Relinquished by				
Received by				

Temp — 4.6 - 0.2 = 4.4

STL LOS ANGELES - PROJECT RECEIPT CHECKLIST Date: 11/15/06

Single Cooler Only

LIMS Lot #: E6K150191 Quote #: 73051

Client Name: Avcet Project: Boeing C6 facility

Received by: MG Date/Time Received: 11/15/06 0940

Delivered by : ☐ Client ☒ STL ☐ DHL ☐ Fed Ex ☐ UPS ☐ Other _____

****

Initial / Date

Custody Seal Status Cooler: ☐Intact ☐Broken ☒None 11/15/06

Custody Seal Status Samples: ☐Intact ☐Broken ☒None ..... _____

Custody Seal #(s): N/A ☒No Seal #..... _____

Sampler Signature on COC ☐ Yes ☐No ☒N/A..... _____

IR Gun # __B_ Correction Factor __-.2_°C IR passed daily verification ☒Yes ☐No ..... _____

Temperature - **BLANK** 4.6 °C - .2 CF = 4.4 °C ...**Cooler #1 ID** N/A ..... _____

Temperature – **COOLER** (____°C ____°C ____°C ____°C) = _____ avg °C - __.2 __ CF = _____ °C..... _____

Samples outside temperature criteria but received within 6 hours of final sampling ☐ Yes ☒N/A... _____

Sample Container(s): ☒STL-LA ☐ Client ..... _____

pH measured: ☐ Yes ☐ Anomaly (if checked, notify lab and file NCM) ☒N/A.. _____

Anomalies: ☒No ☐Yes – complete CUR and Create NCM ..... _____

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times. ☒ Yes ☐ No..... _____

Labeled by: SQ ..... _____

****

Turn Around Time: ☐RUSH–24HR ☐RUSH–48HR ☐RUSH–72HR ☒ 5day ☐NORMAL..... 11/15/06

********** LEAVE NO BLANK SPACES ; USE N/A **********

Headspace Anomaly ☐YES ☒N/A 11/15/06

Lab ID	Container(s) #	Headspace	Lab ID	Container(s) #	Headspace
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm
		☐ > 6mm			☐ > 6mm

LIMS Lot # E6K150191

PROJECT RECEIPT CHECKLIST Cont'd

Fraction	1-2													
VOAH	3													
LAGB	2													

11/15/06

H: HCL, S: H2SO4, N: HNO3, V: VOA, SL, Sleeve, E: Encore, PB: Poly Bottle, CGB: Clear Glass Bottle, AGJ: Amber Glass Jar, T: Terracore
AGB: Amber Glass Bottle, n/f/l:HNO3-Lab filtered, n/f:HNO3-Field filtered, znna: Zinc Acetate/Sodium Hydroxide, Na2s2o3: sodium thiosulfate

Condition Upon Receipt Anomaly Form

Anomalies ☐YES ☒N/A 11/15/06

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking
  - ☐ Other:
- **CUSTODY SEALS (COOLER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **CONTAINER(S)**
  - ☐ None
  - ☐ Not Intact
  - ☐ Other
- **TEMPERATURE (SPECS 4 ± 2°C)**
  - ☐ Cooler Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by Client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ Other ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Voa Vials with Bubbles > 6mm
  - ☐ Broken
  - ☐ Extra
  - ☐ Without Labels
  - ☐ Other:
- **LABELS**
  - ☐ Not the same ID/info as in COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
  - ☐ Torn
- **SAMPLES**
  - ☐ Samples NOT RECEIVED but listed on COC
  - ☐ Samples received but NOT LISTED on COC
  - ☐ Logged based on Label Information
  - ☐ Logged based on info from other samples on COC
  - ☐ Logged according to Work Plan
  - ☐ Logged on HOLD UNTIL FURTHER NOTICE
  - ☐ Will be noted on COC--Client to send samples with new COC
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired -- list sample ID and test
  - ☐ Improper container used
  - ☐ Not preserved/Improper preservative used
  - ☐ Improper pH _____ Lab to preserve sample and document
  - ☐ Insufficient quantities for analysis ☐ Other

Comments:

☐ Corrective Action Implemented:

☐ Client Informed: verbally on _____ By: _____ ☐ In writing on _____ By: _____

☐ Sample(s) on hold until: _____ ☐ Sample(s) processed "as is."

Logged by/Date: CA 11/15/06 Logged in by other STL ☐ ____ **PM Review/Date:** 11/15/06

STL

Analytical Report

BOE-C6-0052905

ANALYTICAL REPORT

PROJECT NO. 1155.002

The Boeing Co - C6 Facility

Lot #: E6K150191

MICHAEL RENDINA

Avocet Environmental Inc

SEVERN TRENT LABORATORIES, INC.

Trupti Mistry
Project Manager

November 22, 2006

BOE-C6-0052906

EXECUTIVE SUMMARY - Detection Highlights

E6K150191

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SUNRIDER BAKER TANK 11/14/06 13:07 001				
C20-C23	0.22	0.12	mg/L	SW846 8015B
Total Carbon Chain Range	0.22	0.12	mg/L	SW846 8015B
C6-C8	0.24	0.10	mg/L	SW846 8015B
Barium - DISSOLVED	0.053 J	0.020	mg/L	SW846 6010B
Chromium - DISSOLVED	0.031	0.010	mg/L	SW846 6010B
Molybdenum - DISSOLVED	0.037 B	0.040	mg/L	SW846 6010B
Vanadium - DISSOLVED	0.0095 B	0.050	mg/L	SW846 6010B
Acetone	85 J	100	ug/L	SW846 8260B
Chloroform	77	10	ug/L	SW846 8260B
1,1-Dichloroethene	15	10	ug/L	SW846 8260B
Trichloroethene	680	10	ug/L	SW846 8260B
LOT 8 BAKER TANK 11/14/06 15:17 002				
C8-C9	0.18	0.12	mg/L	SW846 8015B
Total Carbon Chain Range	0.18	0.12	mg/L	SW846 8015B
C6-C8	18	1.0	mg/L	SW846 8015B
Arsenic - DISSOLVED	0.020	0.012	mg/L	SW846 6010B
Barium - DISSOLVED	0.14 J	0.020	mg/L	SW846 6010B
Molybdenum - DISSOLVED	0.012 B	0.040	mg/L	SW846 6010B
Vanadium - DISSOLVED	0.0023 B	0.050	mg/L	SW846 6010B
Zinc - DISSOLVED	0.010 B	0.020	mg/L	SW846 6010B
Acetone	530 J	2000	ug/L	SW846 8260B
2-Butanone	10000	1000	ug/L	SW846 8260B
1,1-Dichloroethane	44 J	200	ug/L	SW846 8260B
cis-1,2-Dichloroethene	180 J	200	ug/L	SW846 8260B
1,1-Dichloroethene	3300	200	ug/L	SW846 8260B
4-Methyl-2-pentanone	11000	1000	ug/L	SW846 8260B
Toluene	10000	200	ug/L	SW846 8260B
1,1,1-Trichloroethane	120 J	200	ug/L	SW846 8260B
Trichloroethene	1300	200	ug/L	SW846 8260B

BOE-C6-0052907

METHODS SUMMARY

E6K150191

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SW846 3510
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

BOE-C6-0052908

SAMPLE SUMMARY

E6K150191

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JJQHN	001	SUNRIDER BAKER TANK	11/14/06	13:07
JJQQ2	002	LOT 8 BAKER TANK	11/14/06	15:17

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

BOE-C6-0052909

Avocet Environmental Inc

Client Sample ID: SUNRIDER BAKER TANK

GC/MS Volatiles

Lot-Sample #...: E6K150191-001 **Work Order #...:** JJQHN1AA **Matrix.....:** WG
Date Sampled...: 11/14/06 13:07 **Date Received..:** 11/15/06 09:40 **MS Run #.....:** 6321380
Prep Date.....: 11/16/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6321602 **Analysis Time..:** 22:13
Dilution Factor: 10
Analyst ID.....: 015590 **Instrument ID..:** MSR
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**85 J**	**100**	**ug/L**	**20**
Acrolein	ND	200	ug/L	100
Acrylonitrile	ND	200	ug/L	100
Benzene	ND	10	ug/L	3.0
Bromobenzene	ND	10	ug/L	3.0
Bromochloromethane	ND	10	ug/L	4.0
Bromodichloromethane	ND	10	ug/L	3.0
Bromoform	ND	10	ug/L	4.0
Bromomethane	ND	20	ug/L	10
t-Butanol	ND	250	ug/L	60
2-Butanone	ND	50	ug/L	25
n-Butylbenzene	ND	10	ug/L	3.0
sec-Butylbenzene	ND	10	ug/L	3.0
tert-Butylbenzene	ND	10	ug/L	2.0
Carbon disulfide	ND	10	ug/L	4.0
Carbon tetrachloride	ND	5.0	ug/L	3.0
Chlorobenzene	ND	10	ug/L	3.0
Dibromochloromethane	ND	10	ug/L	4.0
Chloroethane	ND	20	ug/L	4.0
2-Chloroethyl vinyl ether	ND	50	ug/L	20
Chloroform	**77**	**10**	**ug/L**	**3.0**
Chloromethane	ND	20	ug/L	3.0
2-Chlorotoluene	ND	10	ug/L	3.0
4-Chlorotoluene	ND	10	ug/L	3.0
1,2-Dibromo-3-chloro-propane	ND	20	ug/L	10
1,2-Dibromoethane	ND	10	ug/L	3.0
1,2-Dichlorobenzene	ND	10	ug/L	3.0
1,3-Dichlorobenzene	ND	10	ug/L	3.0
1,4-Dichlorobenzene	ND	10	ug/L	3.0
Dichlorodifluoromethane	ND	10	ug/L	4.0
1,1-Dichloroethane	ND	10	ug/L	2.0
1,2-Dichloroethane	ND	5.0	ug/L	4.0
cis-1,2-Dichloroethene	ND	10	ug/L	3.0
trans-1,2-Dichloroethene	ND	10	ug/L	3.0
1,1-Dichloroethene	**15**	**10**	**ug/L**	**3.0**
2,2-Dichloropropane	ND	10	ug/L	4.0

(Continued on next page)

Avocet Environmental Inc

Client Sample ID: SUNRIDER BAKER TANK

GC/MS Volatiles

Lot-Sample #...: E6K150191-001 **Work Order #...:** JJQHN1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	10	ug/L	3.0
Tert-amyl methyl ether	ND	20	ug/L	5.0
Tert-butyl ethyl ether	ND	20	ug/L	5.0
Ethylbenzene	ND	10	ug/L	3.0
Hexachlorobutadiene	ND	10	ug/L	3.0
2-Hexanone	ND	50	ug/L	20
Iodomethane	ND	20	ug/L	10
Isopropylbenzene	ND	10	ug/L	3.0
Isopropyl ether	ND	20	ug/L	5.0
p-Isopropyltoluene	ND	10	ug/L	3.0
Methylene chloride	ND	10	ug/L	3.0
4-Methyl-2-pentanone	ND	50	ug/L	20
Methyl tert-butyl ether	ND	10	ug/L	5.0
n-Propylbenzene	ND	10	ug/L	4.0
Styrene	ND	10	ug/L	3.0
1,1,1,2-Tetrachloroethane	ND	10	ug/L	3.0
1,1,2,2-Tetrachloroethane	ND	10	ug/L	4.0
Tetrachloroethene	ND	10	ug/L	4.0
Tetrahydrofuran	ND	100	ug/L	20
Toluene	ND	10	ug/L	3.0
1,2,3-Trichlorobenzene	ND	10	ug/L	4.0
1,2,4-Trichloro-benzene	ND	10	ug/L	3.0
1,1,1-Trichloroethane	ND	10	ug/L	2.0
1,1,2-Trichloroethane	ND	10	ug/L	3.0
Trichloroethene	**680**	**10**	**ug/L**	**3.0**
Trichlorofluoromethane	ND	20	ug/L	3.0
1,2,3-Trichloropropane	ND	10	ug/L	4.0
1,1,2-Trichlorotrifluoro-ethane	ND	10	ug/L	4.0
1,2,4-Trimethylbenzene	ND	10	ug/L	3.0
1,3,5-Trimethylbenzene	ND	10	ug/L	2.0
Vinyl acetate	ND	5.0	ug/L	20
Vinyl chloride	ND	20	ug/L	3.0
Xylenes (total)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	90	(70 - 125)
1,2-Dichloroethane-d4	87	(55 - 135)
Toluene-d8	92	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: SUNRIDER BAKER TANK

GC Volatiles

Lot-Sample #...:	E6K150191-001	**Work Order #...:**	JJQHN1A0	**Matrix.....:**	WG
Date Sampled...:	11/14/06 13:07	**Date Received..:**	11/15/06 09:40	**MS Run #.....:**	6320235
Prep Date.....:	11/15/06	**Analysis Date..:**	11/16/06		
Prep Batch #...:	6320478	**Analysis Time..:**	01:34		
Dilution Factor:	1				
Analyst ID.....:	001464	**Instrument ID..:**	G15		
		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**0.24**	**0.10**	**mg/L**	**0.040**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	87	(70 - 130)

NOTE(S):

Unknown peak.

Avocet Environmental Inc

Client Sample ID: SUNRIDER BAKER TANK

GC Semivolatiles

Lot-Sample #...: E6K150191-001 **Work Order #...:** JJQHN2AX **Matrix.....:** WG
Date Sampled...: 11/14/06 13:07 **Date Received..:** 11/15/06 09:40 **MS Run #.....:**
Prep Date.....: 11/20/06 **Analysis Date..:** 11/22/06
Prep Batch #...: 6324270 **Analysis Time..:** 10:47
Dilution Factor: 1.24
Analyst ID.....: 402479 **Instrument ID..:** G12
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	ND	0.12	mg/L	0.062
C10-C11	ND	0.12	mg/L	0.062
C12-C13	ND	0.12	mg/L	0.062
C14-C15	ND	0.12	mg/L	0.062
C16-C17	ND	0.12	mg/L	0.062
C18-C19	ND	0.12	mg/L	0.062
C20-C23	**0.22**	**0.12**	**mg/L**	**0.062**
C24-C27	ND	0.12	mg/L	0.062
C28-C31	ND	0.12	mg/L	0.062
C32-C35	ND	0.12	mg/L	0.062
C36-C39	ND	0.12	mg/L	0.062
C40+	ND	0.12	mg/L	0.062
Total Carbon Chain Range	**0.22**	**0.12**	**mg/L**	**0.062**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	100	(60 - 140)

Avocet Environmental Inc

Client Sample ID: SUNRIDER BAKER TANK

DISSOLVED Metals

Lot-Sample #...: E6K150191-001 **Matrix.....:** WG
Date Sampled...: 11/14/06 13:07 **Date Received..:** 11/15/06 09:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6320224						
Mercury	ND	0.00020	mg/L	SW846 7470A	11/17/06	JJQHN1AW
		Dilution Factor: 1		Analysis Time..: 15:37	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 6320127	MDL.....: 0.00010	
Prep Batch #...: 6321229						
Aluminum	ND	0.40	mg/L	SW846 6010B	11/21/06	JJQHN1AC
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.20	
Arsenic	ND	0.012	mg/L	SW846 6010B	11/21/06	JJQHN1AD
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0060	
Antimony	ND	0.060	mg/L	SW846 6010B	11/21/06	JJQHN1AE
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0060	
Barium	**0.053 J**	**0.020**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQHN1AF**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0010	
Cadmium	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJQHN1AG
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.00060	
Chromium	**0.031**	**0.010**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQHN1AH**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0010	
Beryllium	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJQHN1AJ
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.00070	
Lead	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJQHN1AK
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0025	

(Continued on next page)

Avocet Environmental Inc

Client Sample ID: SUNRIDER BAKER TANK

DISSOLVED Metals

Lot-Sample #...: E6K150191-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQHN1AL
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0050	
Silver	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQHN1AM
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0010	
Cobalt	ND	0.050	mg/L	SW846 6010B	11/21/06	JJQHN1AN
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0020	
Copper	ND	0.025	mg/L	SW846 6010B	11/21/06	JJQHN1AP
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0040	
Molybdenum	**0.037 B**	**0.040**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQHN1AQ**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0030	
Nickel	ND	0.040	mg/L	SW846 6010B	11/21/06	JJQHN1AR
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0030	
Thallium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQHN1AT
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0050	
Vanadium	**0.0095 B**	**0.050**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQHN1AU**
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0020	
Zinc	ND	0.020	mg/L	SW846 6010B	11/21/06	JJQHN1AV
		Dilution Factor: 1		Analysis Time..: 18:29	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.010	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: LOT 8 BAKER TANK

GC/MS Volatiles

Lot-Sample #...: E6K150191-002 **Work Order #...:** JJQQ21AC **Matrix.....:** WG
Date Sampled...: 11/14/06 15:17 **Date Received..:** 11/15/06 09:40 **MS Run #.....:** 6321380
Prep Date.....: 11/16/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6321602 **Analysis Time..:** 22:39
Dilution Factor: 200
Analyst ID.....: 015590 **Instrument ID..:** MSR
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**530 J**	**2000**	**ug/L**	**400**
Acrolein	ND	4000	ug/L	2000
Acrylonitrile	ND	4000	ug/L	2000
Benzene	ND	200	ug/L	60
Bromobenzene	ND	200	ug/L	60
Bromochloromethane	ND	200	ug/L	80
Bromodichloromethane	ND	200	ug/L	60
Bromoform	ND	200	ug/L	80
Bromomethane	ND	400	ug/L	200
t-Butanol	ND	5000	ug/L	1200
2-Butanone	**10000**	**1000**	**ug/L**	**500**
n-Butylbenzene	ND	200	ug/L	60
sec-Butylbenzene	ND	200	ug/L	60
tert-Butylbenzene	ND	200	ug/L	40
Carbon disulfide	ND	200	ug/L	80
Carbon tetrachloride	ND	100	ug/L	60
Chlorobenzene	ND	200	ug/L	60
Dibromochloromethane	ND	200	ug/L	80
Chloroethane	ND	400	ug/L	80
2-Chloroethyl vinyl ether	ND	1000	ug/L	400
Chloroform	ND	200	ug/L	60
Chloromethane	ND	400	ug/L	60
2-Chlorotoluene	ND	200	ug/L	60
4-Chlorotoluene	ND	200	ug/L	60
1,2-Dibromo-3-chloro-propane	ND	400	ug/L	200
1,2-Dibromoethane	ND	200	ug/L	60
1,2-Dichlorobenzene	ND	200	ug/L	60
1,3-Dichlorobenzene	ND	200	ug/L	60
1,4-Dichlorobenzene	ND	200	ug/L	60
Dichlorodifluoromethane	ND	200	ug/L	80
1,1-Dichloroethane	**44 J**	**200**	**ug/L**	**40**
1,2-Dichloroethane	ND	100	ug/L	80
cis-1,2-Dichloroethene	**180 J**	**200**	**ug/L**	**60**
trans-1,2-Dichloroethene	ND	200	ug/L	60
1,1-Dichloroethene	**3300**	**200**	**ug/L**	**60**
2,2-Dichloropropane	ND	200	ug/L	80

(Continued on next page)

Avocet Environmental Inc

Client Sample ID: LOT 8 BAKER TANK

GC/MS Volatiles

Lot-Sample #...: E6K150191-002 **Work Order #...:** JJQQ21AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,1-Dichloropropene	ND	200	ug/L	60
Tert-amyl methyl ether	ND	400	ug/L	100
Tert-butyl ethyl ether	ND	400	ug/L	100
Ethylbenzene	ND	200	ug/L	60
Hexachlorobutadiene	ND	200	ug/L	60
2-Hexanone	ND	1000	ug/L	400
Iodomethane	ND	400	ug/L	200
Isopropylbenzene	ND	200	ug/L	60
Isopropyl ether	ND	400	ug/L	100
p-Isopropyltoluene	ND	200	ug/L	60
Methylene chloride	ND	200	ug/L	60
4-Methyl-2-pentanone	**11000**	**1000**	**ug/L**	**400**
Methyl tert-butyl ether	ND	200	ug/L	100
n-Propylbenzene	ND	200	ug/L	80
Styrene	ND	200	ug/L	60
1,1,1,2-Tetrachloroethane	ND	200	ug/L	60
1,1,2,2-Tetrachloroethane	ND	200	ug/L	80
Tetrachloroethene	ND	200	ug/L	80
Tetrahydrofuran	ND	2000	ug/L	400
Toluene	**10000**	**200**	**ug/L**	**60**
1,2,3-Trichlorobenzene	ND	200	ug/L	80
1,2,4-Trichloro-benzene	ND	200	ug/L	60
1,1,1-Trichloroethane	**120 J**	**200**	**ug/L**	**40**
1,1,2-Trichloroethane	ND	200	ug/L	60
Trichloroethene	**1300**	**200**	**ug/L**	**60**
Trichlorofluoromethane	ND	400	ug/L	60
1,2,3-Trichloropropane	ND	200	ug/L	80
1,1,2-Trichlorotrifluoro-ethane	ND	200	ug/L	80
1,2,4-Trimethylbenzene	ND	200	ug/L	60
1,3,5-Trimethylbenzene	ND	200	ug/L	40
Vinyl acetate	ND	100	ug/L	400
Vinyl chloride	ND	400	ug/L	60
Xylenes (total)	ND	200	ug/L	40

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	88	(70 - 125)
1,2-Dichloroethane-d4	90	(55 - 135)
Toluene-d8	92	(70 - 130)

NOTE(S):

J Estimated result. Result is less than RL.

Avocet Environmental Inc

Client Sample ID: LOT 8 BAKER TANK

GC Volatiles

Lot-Sample #...: E6K150191-002 **Work Order #...:** JJQQ21AA **Matrix.....:** WG
Date Sampled...: 11/14/06 15:17 **Date Received..:** 11/15/06 09:40 **MS Run #.....:** 6320235
Prep Date.....: 11/15/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6320478 **Analysis Time..:** 11:05
Dilution Factor: 10
Analyst ID.....: 001464 **Instrument ID..:** G15
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C6-C8	**18**	**1.0**	**mg/L**	**0.40**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	91	(70 - 130)

NOTE(S):

Unknown peaks.

Avocet Environmental Inc

Client Sample ID: LOT 8 BAKER TANK

GC Semivolatiles

Lot-Sample #...: E6K150191-002 **Work Order #...:** JJQQ22A0 **Matrix.....:** WG
Date Sampled...: 11/14/06 15:17 **Date Received..:** 11/15/06 09:40 **MS Run #.....:**
Prep Date.....: 11/20/06 **Analysis Date..:** 11/22/06
Prep Batch #...: 6324270 **Analysis Time..:** 10:56
Dilution Factor: 1.18
Analyst ID.....: 402479 **Instrument ID..:** G12
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
C8-C9	**0.18**	**0.12**	**mg/L**	**0.059**
C10-C11	ND	0.12	mg/L	0.059
C12-C13	ND	0.12	mg/L	0.059
C14-C15	ND	0.12	mg/L	0.059
C16-C17	ND	0.12	mg/L	0.059
C18-C19	ND	0.12	mg/L	0.059
C20-C23	ND	0.12	mg/L	0.059
C24-C27	ND	0.12	mg/L	0.059
C28-C31	ND	0.12	mg/L	0.059
C32-C35	ND	0.12	mg/L	0.059
C36-C39	ND	0.12	mg/L	0.059
C40+	ND	0.12	mg/L	0.059
Total Carbon Chain Range	**0.18**	**0.12**	**mg/L**	**0.059**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	98	(60 - 140)

Avocet Environmental Inc

Client Sample ID: LOT 8 BAKER TANK

DISSOLVED Metals

Lot-Sample #...: E6K150191-002 **Matrix.....:** WG
Date Sampled...: 11/14/06 15:17 **Date Received..:** 11/15/06 09:40

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6320224						
Mercury	ND	0.00020	mg/L	SW846 7470A	11/17/06	JJQQ21AX
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 000023	
		Instrument ID..: M04		MS Run #.....: 6320127	MDL.....: 0.00010	
Prep Batch #...: 6321229						
Aluminum	ND	0.40	mg/L	SW846 6010B	11/21/06	JJQQ21AD
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.20	
Arsenic	**0.020**	**0.012**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQQ21AE**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0060	
Antimony	ND	0.060	mg/L	SW846 6010B	11/21/06	JJQQ21AF
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0060	
Barium	**0.14 J**	**0.020**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQQ21AG**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0010	
Cadmium	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJQQ21AH
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.00060	
Chromium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQQ21AJ
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0010	
Beryllium	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJQQ21AK
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.00070	
Lead	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJQQ21AL
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0025	

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Avocet Environmental Inc

Client Sample ID: LOT 8 BAKER TANK

DISSOLVED Metals

Lot-Sample #...: E6K150191-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQQ21AM
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0050	
Silver	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQQ21AN
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0010	
Cobalt	ND	0.050	mg/L	SW846 6010B	11/21/06	JJQQ21AP
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0020	
Copper	ND	0.025	mg/L	SW846 6010B	11/21/06	JJQQ21AQ
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0040	
Molybdenum	**0.012 B**	**0.040**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQQ21AR**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0030	
Nickel	ND	0.040	mg/L	SW846 6010B	11/21/06	JJQQ21AT
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0030	
Thallium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJQQ21AU
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0050	
Vanadium	**0.0023 B**	**0.050**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQQ21AV**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.0020	
Zinc	**0.010 B**	**0.020**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJQQ21AW**
		Dilution Factor: 1		Analysis Time..: 18:37	Analyst ID.....: 021088	
		Instrument ID..: M01		MS Run #.....: 6326303	MDL.....: 0.010	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

STL

QA/QC

BOE-C6-0052922

QC DATA ASSOCIATION SUMMARY

E6K150191

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WG	SW846 8015B		6324270	
	WG	SW846 8015B		6320478	6320235
	WG	SW846 7470A		6320224	6320127
	WG	SW846 8260B		6321602	6321380
	WG	SW846 6010B		6321229	6326303
002	WG	SW846 8015B		6324270	
	WG	SW846 8015B		6320478	6320235
	WG	SW846 7470A		6320224	6320127
	WG	SW846 8260B		6321602	6321380
	WG	SW846 6010B		6321229	6326303

BOE-C6-0052923

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6K150191
MB Lot-Sample #: E6K170000-602

Work Order #...: JJ1VT1AA

Matrix.....: WATER

Prep Date.....: 11/16/06

Analysis Time..: 20:30

Analysis Date..: 11/16/06

Prep Batch #...: 6321602

Instrument ID..: MSR

Dilution Factor: 1

Analyst ID.....: 015590

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
t-Butanol	ND	25	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	0.50	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Tert-amyl methyl ether	ND	2.0	ug/L	SW846 8260B
Tert-butyl ethyl ether	ND	2.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	2.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Isopropyl ether	ND	2.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	0.50	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	91	(70 - 125)
1,2-Dichloroethane-d4	88	(55 - 135)
Toluene-d8	91	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E6K150191
MB Lot-Sample #: E6K160000-478

Analysis Date..: 11/15/06
Dilution Factor: 1

Work Order #...: JJVRD1AA

Prep Date.....: 11/15/06
Prep Batch #...: 6320478

Analyst ID.....: 001464

Matrix.....: WATER

Analysis Time..: 22:53
Instrument ID..: G15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C6-C8	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	88	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: E6K150191
MB Lot-Sample #: E6K200000-270

Work Order #...: JJ3711AA

Matrix.....: WATER

Prep Date.....: 11/20/06

Analysis Time..: 10:02

Analysis Date..: 11/22/06

Prep Batch #...: 6324270

Instrument ID..: G12

Dilution Factor: 1

Analyst ID.....: 402479

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
C8-C9	ND	0.10	mg/L	SW846 8015B
C10-C11	ND	0.10	mg/L	SW846 8015B
C12-C13	ND	0.10	mg/L	SW846 8015B
C14-C15	ND	0.10	mg/L	SW846 8015B
C16-C17	ND	0.10	mg/L	SW846 8015B
C18-C19	ND	0.10	mg/L	SW846 8015B
C20-C23	ND	0.10	mg/L	SW846 8015B
C24-C27	ND	0.10	mg/L	SW846 8015B
C28-C31	ND	0.10	mg/L	SW846 8015B
C32-C35	ND	0.10	mg/L	SW846 8015B
C36-C39	ND	0.10	mg/L	SW846 8015B
C40+	ND	0.10	mg/L	SW846 8015B
Total Carbon Chain Range	ND	0.10	mg/L	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	100	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E6K160000-224 **Prep Batch #...:** 6320224						
Mercury	ND	0.00020	mg/L	SW846 7470A	11/17/06	JJTG41AA
		Dilution Factor: 1				
		Analysis Time..: 15:33		Analyst ID.....: 000023	Instrument ID..: M04	
MB Lot-Sample #: E6K170000-229 **Prep Batch #...:** 6321229						
Aluminum	ND	0.40	mg/L	SW846 6010B	11/21/06	JJXPX1A2
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Arsenic	ND	0.012	mg/L	SW846 6010B	11/21/06	JJXPX1AA
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Antimony	ND	0.060	mg/L	SW846 6010B	11/21/06	JJXPX1A3
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Barium	**0.0041 B**	**0.020**	**mg/L**	**SW846 6010B**	**11/21/06**	**JJXPX1AC**
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Cadmium	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJXPX1AE
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Chromium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJXPX1AF
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Beryllium	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJXPX1A4
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Lead	ND	0.0050	mg/L	SW846 6010B	11/21/06	JJXPX1AK
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Selenium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJXPX1AL
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	ND	0.010	mg/L	SW846 6010B	11/21/06	JJXPX1A5
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Cobalt	ND	0.050	mg/L	SW846 6010B	11/21/06	JJXPX1A6
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Copper	ND	0.025	mg/L	SW846 6010B	11/21/06	JJXPX1AG
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Molybdenum	ND	0.040	mg/L	SW846 6010B	11/21/06	JJXPX1A7
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Nickel	ND	0.040	mg/L	SW846 6010B	11/21/06	JJXPX1A8
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Thallium	ND	0.010	mg/L	SW846 6010B	11/21/06	JJXPX1A9
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Vanadium	ND	0.050	mg/L	SW846 6010B	11/21/06	JJXPX1CA
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	
Zinc	ND	0.020	mg/L	SW846 6010B	11/21/06	JJXPX1AM
		Dilution Factor: 1				
		Analysis Time..: 18:15		Analyst ID.....: 021088	Instrument ID..: M01	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K170000-602
Prep Date.....: 11/16/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6321602 **Analysis Time..:** 20:04
Dilution Factor: 1 **Instrument ID..:** MSR
Analyst ID.....: 015590

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acetone	79	(60 - 140)	SW846 8260B
Benzene	**91**	**(60 - 125)**	**SW846 8260B**
Bromobenzene	84	(70 - 130)	SW846 8260B
Bromochloromethane	75	(70 - 130)	SW846 8260B
Dibromomethane	93	(70 - 130)	SW846 8260B
Bromodichloromethane	**101**	**(60 - 130)**	**SW846 8260B**
Bromoform	92	(70 - 130)	SW846 8260B
Bromomethane	110	(60 - 140)	SW846 8260B
t-Butanol	81	(40 - 150)	SW846 8260B
1,2-Dichloropropane	89	(70 - 130)	SW846 8260B
1,3-Dichloropropane	90	(70 - 130)	SW846 8260B
2-Butanone	83	(60 - 140)	SW846 8260B
cis-1,3-Dichloropropene	101	(70 - 130)	SW846 8260B
trans-1,3-Dichloropropene	92	(70 - 130)	SW846 8260B
n-Butylbenzene	87	(70 - 130)	SW846 8260B
sec-Butylbenzene	90	(70 - 130)	SW846 8260B
tert-Butylbenzene	86	(70 - 130)	SW846 8260B
Naphthalene	79	(60 - 140)	SW846 8260B
Carbon disulfide	105	(70 - 130)	SW846 8260B
Carbon tetrachloride	**104**	**(60 - 140)**	**SW846 8260B**
Chlorobenzene	90	(70 - 125)	SW846 8260B
Dibromochloromethane	100	(70 - 130)	SW846 8260B
Chloroethane	90	(60 - 140)	SW846 8260B
m-Xylene & p-Xylene	**87**	**(65 - 130)**	**SW846 8260B**
Chloroform	**83**	**(60 - 125)**	**SW846 8260B**
o-Xylene	**91**	**(70 - 130)**	**SW846 8260B**
Chloromethane	93	(60 - 140)	SW846 8260B
2-Chlorotoluene	86	(70 - 130)	SW846 8260B
4-Chlorotoluene	90	(70 - 130)	SW846 8260B
1,2-Dibromo-3-chloro-propane	73	(60 - 140)	SW846 8260B
1,2-Dibromoethane	0	(70 - 130)	SW846 8260B
1,2-Dichlorobenzene	84	(70 - 130)	SW846 8260B

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BOE-C6-0052930

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K170000-602

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,3-Dichlorobenzene	83	(70 - 130)	SW846 8260B
1,4-Dichlorobenzene	85	(70 - 130)	SW846 8260B
Dichlorodifluoromethane	131	(40 - 160)	SW846 8260B
1,1-Dichloroethane	**91**	**(65 - 130)**	**SW846 8260B**
1,2-Dichloroethane	**89**	**(55 - 130)**	**SW846 8260B**
cis-1,2-Dichloroethene	**92**	**(60 - 125)**	**SW846 8260B**
trans-1,2-Dichloroethene	94	(70 - 130)	SW846 8260B
1,1-Dichloroethene	**101**	**(60 - 150)**	**SW846 8260B**
2,2-Dichloropropane	94	(70 - 130)	SW846 8260B
1,1-Dichloropropene	92	(70 - 130)	SW846 8260B
Tert-amyl methyl ether	84	(70 - 130)	SW846 8260B
Tert-butyl ethyl ether	85	(70 - 130)	SW846 8260B
Ethylbenzene	**91**	**(70 - 130)**	**SW846 8260B**
Hexachlorobutadiene	83	(70 - 130)	SW846 8260B
2-Hexanone	86	(60 - 140)	SW846 8260B
Isopropylbenzene	81	(70 - 130)	SW846 8260B
Isopropyl ether	93	(70 - 130)	SW846 8260B
p-Isopropyltoluene	83	(70 - 130)	SW846 8260B
Methylene chloride	83	(70 - 130)	SW846 8260B
4-Methyl-2-pentanone	86	(60 - 140)	SW846 8260B
Methyl tert-butyl ether	87	(70 - 130)	SW846 8260B
n-Propylbenzene	86	(70 - 130)	SW846 8260B
Styrene	93	(70 - 130)	SW846 8260B
1,1,1,2-Tetrachloroethane	97	(70 - 130)	SW846 8260B
1,1,2,2-Tetrachloroethane	87	(70 - 130)	SW846 8260B
Tetrachloroethene	**89**	**(60 - 130)**	**SW846 8260B**
Toluene	**92**	**(65 - 125)**	**SW846 8260B**
1,2,3-Trichlorobenzene	84	(70 - 130)	SW846 8260B
1,2,4-Trichloro-benzene	83	(70 - 130)	SW846 8260B
1,1,1-Trichloroethane	**99**	**(70 - 130)**	**SW846 8260B**
1,1,2-Trichloroethane	89	(70 - 130)	SW846 8260B
Trichloroethene	**89**	**(60 - 130)**	**SW846 8260B**
Trichlorofluoromethane	94	(70 - 130)	SW846 8260B
1,2,3-Trichloropropane	79	(70 - 130)	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	95	(60 - 140)	SW846 8260B

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BOE-C6-0052931

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K170000-602

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2,4-Trimethylbenzene	87	(70 - 130)	SW846 8260B
1,3,5-Trimethylbenzene	88	(70 - 130)	SW846 8260B
Vinyl chloride	**96**	**(30 - 155)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 125)
1,2-Dichloroethane-d4	86	(55 - 135)
Toluene-d8	92	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K170000-602
Prep Date.....: 11/16/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6321602 **Analysis Time..:** 20:04
Dilution Factor: 1 **Instrument ID..:** MSR
Analyst ID.....: 015590

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acetone	50.0	39.7	ug/L	79	SW846 8260B
Benzene	**10.0**	**9.09**	**ug/L**	**91**	**SW846 8260B**
Bromobenzene	10.0	8.42	ug/L	84	SW846 8260B
Bromochloromethane	10.0	7.46	ug/L	75	SW846 8260B
Dibromomethane	10.0	9.29	ug/L	93	SW846 8260B
Bromodichloromethane	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Bromoform	10.0	9.22	ug/L	92	SW846 8260B
Bromomethane	10.0	11.0	ug/L	110	SW846 8260B
t-Butanol	50.0	40.6	ug/L	81	SW846 8260B
1,2-Dichloropropane	10.0	8.88	ug/L	89	SW846 8260B
1,3-Dichloropropane	10.0	9.00	ug/L	90	SW846 8260B
2-Butanone	50.0	41.5	ug/L	83	SW846 8260B
cis-1,3-Dichloropropene	10.0	10.1	ug/L	101	SW846 8260B
trans-1,3-Dichloropropene	10.0	9.18	ug/L	92	SW846 8260B
n-Butylbenzene	10.0	8.74	ug/L	87	SW846 8260B
sec-Butylbenzene	10.0	9.00	ug/L	90	SW846 8260B
tert-Butylbenzene	10.0	8.59	ug/L	86	SW846 8260B
Naphthalene	10.0	7.87	ug/L	79	SW846 8260B
Carbon disulfide	50.0	52.4	ug/L	105	SW846 8260B
Carbon tetrachloride	**10.0**	**10.4**	**ug/L**	**104**	**SW846 8260B**
Chlorobenzene	10.0	8.98	ug/L	90	SW846 8260B
Dibromochloromethane	10.0	9.96	ug/L	100	SW846 8260B
Chloroethane	10.0	9.05	ug/L	90	SW846 8260B
m-Xylene & p-Xylene	**20.0**	**17.4**	**ug/L**	**87**	**SW846 8260B**
Chloroform	**10.0**	**8.26**	**ug/L**	**83**	**SW846 8260B**
o-Xylene	**10.0**	**9.08**	**ug/L**	**91**	**SW846 8260B**
Chloromethane	10.0	9.27	ug/L	93	SW846 8260B
2-Chlorotoluene	10.0	8.59	ug/L	86	SW846 8260B
4-Chlorotoluene	10.0	8.97	ug/L	90	SW846 8260B
1,2-Dibromo-3-chloro-propane	10.0	7.33	ug/L	73	SW846 8260B
1,2-Dibromoethane	10.0		ug/L	0	SW846 8260B
1,2-Dichlorobenzene	10.0	8.36	ug/L	84	SW846 8260B

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BOE-C6-0052933

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K170000-602

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,3-Dichlorobenzene	10.0	8.32	ug/L	83	SW846 8260B
1,4-Dichlorobenzene	10.0	8.48	ug/L	85	SW846 8260B
Dichlorodifluoromethane	10.0	13.1	ug/L	131	SW846 8260B
1,1-Dichloroethane	**10.0**	**9.11**	**ug/L**	**91**	**SW846 8260B**
1,2-Dichloroethane	**10.0**	**8.93**	**ug/L**	**89**	**SW846 8260B**
cis-1,2-Dichloroethene	**10.0**	**9.22**	**ug/L**	**92**	**SW846 8260B**
trans-1,2-Dichloroethene	10.0	9.45	ug/L	94	SW846 8260B
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
2,2-Dichloropropane	10.0	9.35	ug/L	94	SW846 8260B
1,1-Dichloropropene	10.0	9.22	ug/L	92	SW846 8260B
Tert-amyl methyl ether	10.0	8.44	ug/L	84	SW846 8260B
Tert-butyl ethyl ether	10.0	8.51	ug/L	85	SW846 8260B
Ethylbenzene	**10.0**	**9.11**	**ug/L**	**91**	**SW846 8260B**
Hexachlorobutadiene	10.0	8.27	ug/L	83	SW846 8260B
2-Hexanone	50.0	43.0	ug/L	86	SW846 8260B
Isopropylbenzene	10.0	8.07	ug/L	81	SW846 8260B
Isopropyl ether	10.0	9.27	ug/L	93	SW846 8260B
p-Isopropyltoluene	10.0	8.32	ug/L	83	SW846 8260B
Methylene chloride	10.0	8.28	ug/L	83	SW846 8260B
4-Methyl-2-pentanone	50.0	42.8	ug/L	86	SW846 8260B
Methyl tert-butyl ether	10.0	8.67	ug/L	87	SW846 8260B
n-Propylbenzene	10.0	8.62	ug/L	86	SW846 8260B
Styrene	10.0	9.34	ug/L	93	SW846 8260B
1,1,1,2-Tetrachloroethane	10.0	9.66	ug/L	97	SW846 8260B
1,1,2,2-Tetrachloroethane	10.0	8.71	ug/L	87	SW846 8260B
Tetrachloroethene	**10.0**	**8.86**	**ug/L**	**89**	**SW846 8260B**
Toluene	**10.0**	**9.17**	**ug/L**	**92**	**SW846 8260B**
1,2,3-Trichlorobenzene	10.0	8.44	ug/L	84	SW846 8260B
1,2,4-Trichloro-benzene	10.0	8.30	ug/L	83	SW846 8260B
1,1,1-Trichloroethane	**10.0**	**9.93**	**ug/L**	**99**	**SW846 8260B**
1,1,2-Trichloroethane	10.0	8.93	ug/L	89	SW846 8260B
Trichloroethene	**10.0**	**8.94**	**ug/L**	**89**	**SW846 8260B**
Trichlorofluoromethane	10.0	9.42	ug/L	94	SW846 8260B
1,2,3-Trichloropropane	10.0	7.88	ug/L	79	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	10.0	9.52	ug/L	95	SW846 8260B

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BOE-C6-0052934

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ1VT1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K170000-602

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2,4-Trimethylbenzene	10.0	8.71	ug/L	87	SW846 8260B
1,3,5-Trimethylbenzene	10.0	8.76	ug/L	88	SW846 8260B
Vinyl chloride	**10.0**	**9.61**	**ug/L**	**96**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	92	(70 - 125)
1,2-Dichloroethane-d4	86	(55 - 135)
Toluene-d8	92	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJVRD1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K160000-478
Prep Date.....: 11/15/06 **Analysis Date..:** 11/15/06
Prep Batch #...: 6320478 **Analysis Time..:** 23:20
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Gasoline)	**95**	**(70 - 130)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJVRD1AC **Matrix.....:** WATER
LCS Lot-Sample#: E6K160000-478
Prep Date.....: 11/15/06 **Analysis Date..:** 11/15/06
Prep Batch #...: 6320478 **Analysis Time..:** 23:20
Dilution Factor: 1 **Instrument ID..:** G15
Analyst ID.....: 001464

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
TPH (as Gasoline)	**1.00**	**0.952**	**mg/L**	**95**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	115	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052937

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ3711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: E6K200000-270 JJ3711AD-LCSD
Prep Date.....: 11/20/06 **Analysis Date..:** 11/22/06
Prep Batch #...: 6324270 **Analysis Time..:** 10:37
Dilution Factor: 1 **Instrument ID..:** G12
Analyst ID.....: 402479

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Diesel Range Organics (C10-C25)	**126**	**(65 - 135)**			**SW846 8015B**
	116	**(65 - 135)**	**7.8**	**(0-30)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	124	(60 - 140)
	112	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: E6K150191 **Work Order #...:** JJ3711AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: E6K200000-270 JJ3711AD-LCSD
Prep Date.....: 11/20/06 **Analysis Date..:** 11/22/06
Prep Batch #...: 6324270 **Analysis Time..:** 10:37
Dilution Factor: 1 **Instrument ID..:** G12
Analyst ID.....: 402479

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Diesel Range Organics (C10-C25)	**2.50**	**3.14**	**mg/L**	**126**		**SW846 8015B**
	2.50	**2.91**	**mg/L**	**116**	**7.8**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(a)pyrene	124	(60 - 140)
	112	(60 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E6K160000-224 **Prep Batch #...:** 6320224					
Mercury	99	(80 - 120)	SW846 7470A	11/17/06	JJTG41AC
		Dilution Factor: 1	Analysis Time..: 15:36		Analyst ID.....: 000023
		Instrument ID..: M04			
LCS Lot-Sample#: E6K170000-229 **Prep Batch #...:** 6321229					
Aluminum	98	(80 - 120)	SW846 6010B	11/21/06	JJXPX1CC
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Arsenic	103	(85 - 120)	SW846 6010B	11/21/06	JJXPX1AN
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Antimony	103	(85 - 120)	SW846 6010B	11/21/06	JJXPX1CD
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Barium	101	(85 - 120)	SW846 6010B	11/21/06	JJXPX1AP
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Cadmium	97	(85 - 120)	SW846 6010B	11/21/06	JJXPX1AR
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Chromium	96	(85 - 120)	SW846 6010B	11/21/06	JJXPX1AT
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Beryllium	98	(85 - 120)	SW846 6010B	11/21/06	JJXPX1CE
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Lead	100	(80 - 120)	SW846 6010B	11/21/06	JJXPX1AX
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Selenium	99	(80 - 120)	SW846 6010B	11/21/06	JJXPX1A0
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	98	(85 - 120)	SW846 6010B	11/21/06	JJXPX1CF
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Cobalt	95	(80 - 120)	SW846 6010B	11/21/06	JJXPX1CG
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Copper	106	(85 - 120)	SW846 6010B	11/21/06	JJXPX1AU
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Molybdenum	98	(85 - 120)	SW846 6010B	11/21/06	JJXPX1CH
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Nickel	97	(85 - 120)	SW846 6010B	11/21/06	JJXPX1CJ
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Thallium	101	(80 - 120)	SW846 6010B	11/21/06	JJXPX1CK
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Vanadium	98	(85 - 120)	SW846 6010B	11/21/06	JJXPX1CL
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			
Zinc	106	(85 - 120)	SW846 6010B	11/21/06	JJXPX1A1
		Dilution Factor: 1	Analysis Time..: 18:20		Analyst ID.....: 021088
		Instrument ID..: M01			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E6K160000-224 **Prep Batch #...:** 6320224							
Mercury	0.00500	0.00493	mg/L	99	SW846 7470A	11/17/06	JJTG41AC
			Dilution Factor: 1		Analysis Time..: 15:36	Analyst ID.....: 000023	
			Instrument ID..: M04				
LCS Lot-Sample#: E6K170000-229 **Prep Batch #...:** 6321229							
Aluminum	2.00	1.96	mg/L	98	SW846 6010B	11/21/06	JJXPX1CC
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Arsenic	2.00	2.06	mg/L	103	SW846 6010B	11/21/06	JJXPX1AN
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Antimony	0.500	0.516	mg/L	103	SW846 6010B	11/21/06	JJXPX1CD
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Barium	2.00	2.02	mg/L	101	SW846 6010B	11/21/06	JJXPX1AP
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cadmium	0.0500	0.0484	mg/L	97	SW846 6010B	11/21/06	JJXPX1AR
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Chromium	0.200	0.191	mg/L	96	SW846 6010B	11/21/06	JJXPX1AT
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Beryllium	0.0500	0.0490	mg/L	98	SW846 6010B	11/21/06	JJXPX1CE
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Lead	0.500	0.502	mg/L	100	SW846 6010B	11/21/06	JJXPX1AX
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Selenium	2.00	1.98	mg/L	99	SW846 6010B	11/21/06	JJXPX1A0
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	0.0500	0.0488	mg/L	98	SW846 6010B	11/21/06	JJXPX1CF
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Cobalt	0.500	0.475	mg/L	95	SW846 6010B	11/21/06	JJXPX1CG
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Copper	0.250	0.265	mg/L	106	SW846 6010B	11/21/06	JJXPX1AU
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Molybdenum	1.00	0.975	mg/L	98	SW846 6010B	11/21/06	JJXPX1CH
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Nickel	0.500	0.483	mg/L	97	SW846 6010B	11/21/06	JJXPX1CJ
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Thallium	2.00	2.01	mg/L	101	SW846 6010B	11/21/06	JJXPX1CK
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Vanadium	0.500	0.489	mg/L	98	SW846 6010B	11/21/06	JJXPX1CL
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				
Zinc	0.500	0.528	mg/L	106	SW846 6010B	11/21/06	JJXPX1A1
			Dilution Factor: 1		Analysis Time..: 18:20	Analyst ID.....: 021088	
			Instrument ID..: M01				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD
Date Sampled...: 11/14/06 13:30 **Date Received..:** 11/16/06 13:10 **MS Run #.....:** 6321380
Prep Date.....: 11/16/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6321602 **Analysis Time..:** 23:05
Dilution Factor: 1 **Analyst ID.....:** 015590 **Instrument ID..:** MSR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acetone	78	(60 - 140)			SW846 8260B
	79	(60 - 140)	0.02	(0-40)	SW846 8260B
Benzene	**92**	**(60 - 125)**			**SW846 8260B**
	94	**(60 - 125)**	**2.1**	**(0-25)**	**SW846 8260B**
Bromobenzene	85	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.9	(0-30)	SW846 8260B
Bromochloromethane	79	(70 - 130)			SW846 8260B
	77	(70 - 130)	2.3	(0-30)	SW846 8260B
Dibromomethane	93	(70 - 130)			SW846 8260B
	96	(70 - 130)	3.5	(0-30)	SW846 8260B
Bromodichloromethane	**103**	**(60 - 130)**			**SW846 8260B**
	106	**(60 - 130)**	**2.4**	**(0-30)**	**SW846 8260B**
Bromoform	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.5	(0-30)	SW846 8260B
Bromomethane	117	(60 - 140)			SW846 8260B
	110	(60 - 140)	5.9	(0-35)	SW846 8260B
t-Butanol	79	(40 - 150)			SW846 8260B
	76	(40 - 150)	2.9	(0-35)	SW846 8260B
1,2-Dichloropropane	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.1	(0-30)	SW846 8260B
1,3-Dichloropropane	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	3.6	(0-30)	SW846 8260B
2-Butanone	85	(60 - 140)			SW846 8260B
	86	(60 - 140)	0.44	(0-40)	SW846 8260B
cis-1,3-Dichloropropene	97	(70 - 130)			SW846 8260B
	102	(70 - 130)	4.9	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	3.7	(0-30)	SW846 8260B
n-Butylbenzene	90	(70 - 130)			SW846 8260B
	94	(70 - 130)	4.5	(0-30)	SW846 8260B
sec-Butylbenzene	92	(70 - 130)			SW846 8260B
	96	(70 - 130)	4.5	(0-30)	SW846 8260B
tert-Butylbenzene	88	(70 - 130)			SW846 8260B
	91	(70 - 130)	3.5	(0-30)	SW846 8260B
Naphthalene	79	(60 - 140)			SW846 8260B
	81	(60 - 140)	2.1	(0-35)	SW846 8260B
Carbon disulfide	108	(70 - 130)			SW846 8260B
	112	(70 - 130)	4.3	(0-30)	SW846 8260B
Carbon tetrachloride	**105**	**(60 - 140)**			**SW846 8260B**
	110	**(60 - 140)**	**4.6**	**(0-30)**	**SW846 8260B**

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chlorobenzene	91	(70 - 125)			SW846 8260B
	94	(70 - 125)	3.0	(0-25)	SW846 8260B
Dibromochloromethane	100	(70 - 130)			SW846 8260B
	106	(70 - 130)	5.5	(0-30)	SW846 8260B
Chloroethane	92	(60 - 140)			SW846 8260B
	94	(60 - 140)	1.4	(0-35)	SW846 8260B
m-Xylene & p-Xylene	**89**	**(65 - 130)**			**SW846 8260B**
	92	**(65 - 130)**	**3.2**	**(0-30)**	**SW846 8260B**
Chloroform	**85**	**(60 - 125)**			**SW846 8260B**
	87	**(60 - 125)**	**1.9**	**(0-30)**	**SW846 8260B**
o-Xylene	**92**	**(70 - 130)**			**SW846 8260B**
	95	**(70 - 130)**	**2.6**	**(0-30)**	**SW846 8260B**
Chloromethane	96	(60 - 140)			SW846 8260B
	98	(60 - 140)	1.2	(0-35)	SW846 8260B
2-Chlorotoluene	87	(70 - 130)			SW846 8260B
	90	(70 - 130)	2.7	(0-30)	SW846 8260B
4-Chlorotoluene	91	(70 - 130)			SW846 8260B
	93	(70 - 130)	2.4	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	70	(60 - 140)			SW846 8260B
	75	(60 - 140)	7.2	(0-35)	SW846 8260B
1,2-Dibromoethane	0	(70 - 130)			SW846 8260B
		(70 - 130)		(0-30)	SW846 8260B
1,2-Dichlorobenzene	85	(70 - 130)			SW846 8260B
	87	(70 - 130)	2.9	(0-30)	SW846 8260B
1,3-Dichlorobenzene	84	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.5	(0-30)	SW846 8260B
1,4-Dichlorobenzene	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.7	(0-30)	SW846 8260B
Dichlorodifluoromethane	134	(40 - 160)			SW846 8260B
	135	(40 - 160)	0.81	(0-35)	SW846 8260B
1,1-Dichloroethane	**93**	**(65 - 130)**			**SW846 8260B**
	95	**(65 - 130)**	**1.8**	**(0-30)**	**SW846 8260B**
1,2-Dichloroethane	**92**	**(55 - 130)**			**SW846 8260B**
	94	**(55 - 130)**	**1.4**	**(0-30)**	**SW846 8260B**
cis-1,2-Dichloroethene	**95**	**(60 - 125)**			**SW846 8260B**
	96	**(60 - 125)**	**0.73**	**(0-30)**	**SW846 8260B**
trans-1,2-Dichloroethene	97	(70 - 130)			SW846 8260B
	98	(70 - 130)	1.3	(0-30)	SW846 8260B
1,1-Dichloroethene	**102**	**(60 - 150)**			**SW846 8260B**
	105	**(60 - 150)**	**3.6**	**(0-25)**	**SW846 8260B**

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BOE-C6-0052945

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,2-Dichloropropane	92	(70 - 130)			SW846 8260B
	97	(70 - 130)	5.2	(0-30)	SW846 8260B
1,1-Dichloropropene	94	(70 - 130)			SW846 8260B
	97	(70 - 130)	3.0	(0-30)	SW846 8260B
Tert-amyl methyl ether	85	(70 - 130)			SW846 8260B
	86	(70 - 130)	1.3	(0-30)	SW846 8260B
Tert-butyl ethyl ether	84	(70 - 130)			SW846 8260B
	86	(70 - 130)	1.4	(0-30)	SW846 8260B
Ethylbenzene	**94**	**(70 - 130)**			**SW846 8260B**
	97	**(70 - 130)**	**3.4**	**(0-30)**	**SW846 8260B**
Hexachlorobutadiene	85	(70 - 130)			SW846 8260B
	89	(70 - 130)	5.3	(0-30)	SW846 8260B
2-Hexanone	86	(60 - 140)			SW846 8260B
	88	(60 - 140)	1.3	(0-40)	SW846 8260B
Isopropylbenzene	82	(70 - 130)			SW846 8260B
	86	(70 - 130)	4.9	(0-30)	SW846 8260B
Isopropyl ether	94	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.95	(0-30)	SW846 8260B
p-Isopropyltoluene	85	(70 - 130)			SW846 8260B
	88	(70 - 130)	3.0	(0-30)	SW846 8260B
Methylene chloride	80	(70 - 130)			SW846 8260B
	80	(70 - 130)	0.24	(0-30)	SW846 8260B
4-Methyl-2-pentanone	88	(60 - 140)			SW846 8260B
	87	(60 - 140)	1.6	(0-40)	SW846 8260B
Methyl tert-butyl ether	87	(70 - 130)			SW846 8260B
	88	(70 - 130)	0.57	(0-30)	SW846 8260B
n-Propylbenzene	87	(70 - 130)			SW846 8260B
	91	(70 - 130)	4.0	(0-30)	SW846 8260B
Styrene	95	(70 - 130)			SW846 8260B
	98	(70 - 130)	3.2	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	98	(70 - 130)			SW846 8260B
	102	(70 - 130)	4.1	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(70 - 130)			SW846 8260B
	90	(70 - 130)	2.5	(0-30)	SW846 8260B
Tetrachloroethene	**91**	**(60 - 130)**			**SW846 8260B**
	94	**(60 - 130)**	**3.5**	**(0-30)**	**SW846 8260B**
Toluene	**94**	**(65 - 125)**			**SW846 8260B**
	96	**(65 - 125)**	**2.5**	**(0-25)**	**SW846 8260B**
1,2,3-Trichlorobenzene	84	(70 - 130)			SW846 8260B
	87	(70 - 130)	4.1	(0-30)	SW846 8260B

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BOE-C6-0052946

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2,4-Trichloro-benzene	83	(70 - 130)			SW846 8260B
	86	(70 - 130)	3.3	(0-30)	SW846 8260B
1,1,1-Trichloroethane	**100**	**(70 - 130)**			**SW846 8260B**
	102	**(70 - 130)**	**2.1**	**(0-30)**	**SW846 8260B**
1,1,2-Trichloroethane	93	(70 - 130)			SW846 8260B
	93	(70 - 130)	0.53	(0-40)	SW846 8260B
Trichloroethene	**90**	**(60 - 130)**			**SW846 8260B**
	91	**(60 - 130)**	**1.9**	**(0-25)**	**SW846 8260B**
Trichlorofluoromethane	96	(70 - 130)			SW846 8260B
	100	(70 - 130)	4.5	(0-30)	SW846 8260B
1,2,3-Trichloropropane	80	(70 - 130)			SW846 8260B
	81	(70 - 130)	1.7	(0-30)	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	96	(60 - 140)			SW846 8260B
	101	(60 - 140)	5.5	(0-35)	SW846 8260B
1,2,4-Trimethylbenzene	88	(70 - 130)			SW846 8260B
	92	(70 - 130)	4.2	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	90	(70 - 130)			SW846 8260B
	92	(70 - 130)	3.0	(0-30)	SW846 8260B
Vinyl chloride	**98**	**(30 - 155)**			**SW846 8260B**
	100	**(30 - 155)**	**1.7**	**(0-35)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(70 - 125)
	92	(70 - 125)
1,2-Dichloroethane-d4	87	(55 - 135)
	87	(55 - 135)
Toluene-d8	93	(70 - 130)
	94	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD
Date Sampled...: 11/14/06 13:30 **Date Received..:** 11/16/06 13:10 **MS Run #.....:** 6321380
Prep Date.....: 11/16/06 **Analysis Date..:** 11/16/06
Prep Batch #...: 6321602 **Analysis Time..:** 23:05
Dilution Factor: 1 **Analyst ID.....:** 015590 **Instrument ID..:** MSR

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acetone	ND	50.0	39.2	ug/L	78		SW846 8260B
	ND	50.0	39.3	ug/L	79	0.02	SW846 8260B
Benzene	**ND**	**10.0**	**9.22**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.42**	**ug/L**	**94**	**2.1**	**SW846 8260B**
Bromobenzene	ND	10.0	8.49	ug/L	85		SW846 8260B
	ND	10.0	8.74	ug/L	87	2.9	SW846 8260B
Bromochloromethane	ND	10.0	7.92	ug/L	79		SW846 8260B
	ND	10.0	7.74	ug/L	77	2.3	SW846 8260B
Dibromomethane	ND	10.0	9.30	ug/L	93		SW846 8260B
	ND	10.0	9.63	ug/L	96	3.5	SW846 8260B
Bromodichloromethane	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**2.4**	**SW846 8260B**
Bromoform	ND	10.0	8.96	ug/L	90		SW846 8260B
	ND	10.0	9.37	ug/L	94	4.5	SW846 8260B
Bromomethane	ND	10.0	11.7	ug/L	117		SW846 8260B
	ND	10.0	11.0	ug/L	110	5.9	SW846 8260B
t-Butanol	ND	50.0	39.3	ug/L	79		SW846 8260B
	ND	50.0	38.2	ug/L	76	2.9	SW846 8260B
1,2-Dichloropropane	ND	10.0	9.07	ug/L	91		SW846 8260B
	ND	10.0	9.26	ug/L	93	2.1	SW846 8260B
1,3-Dichloropropane	ND	10.0	9.03	ug/L	90		SW846 8260B
	ND	10.0	9.36	ug/L	94	3.6	SW846 8260B
2-Butanone	ND	50.0	42.6	ug/L	85		SW846 8260B
	ND	50.0	42.8	ug/L	86	0.44	SW846 8260B
cis-1,3-Dichloropropene	ND	10.0	9.73	ug/L	97		SW846 8260B
	ND	10.0	10.2	ug/L	102	4.9	SW846 8260B
trans-1,3-Dichloropropene	ND	10.0	9.03	ug/L	90		SW846 8260B
	ND	10.0	9.37	ug/L	94	3.7	SW846 8260B
n-Butylbenzene	ND	10.0	8.96	ug/L	90		SW846 8260B
	ND	10.0	9.37	ug/L	94	4.5	SW846 8260B
sec-Butylbenzene	ND	10.0	9.17	ug/L	92		SW846 8260B
	ND	10.0	9.59	ug/L	96	4.5	SW846 8260B
tert-Butylbenzene	ND	10.0	8.77	ug/L	88		SW846 8260B
	ND	10.0	9.08	ug/L	91	3.5	SW846 8260B
Naphthalene	ND	10.0	7.94	ug/L	79		SW846 8260B
	ND	10.0	8.11	ug/L	81	2.1	SW846 8260B
Carbon disulfide	ND	50.0	53.8	ug/L	108		SW846 8260B
	ND	50.0	56.1	ug/L	112	4.3	SW846 8260B
Carbon tetrachloride	**ND**	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**10.0**	**11.0**	**ug/L**	**110**	**4.6**	**SW846 8260B**

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chlorobenzene	ND	10.0	9.12	ug/L	91		SW846 8260B
	ND	10.0	9.40	ug/L	94	3.0	SW846 8260B
Dibromochloromethane	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.6	ug/L	106	5.5	SW846 8260B
Chloroethane	ND	10.0	9.25	ug/L	92		SW846 8260B
	ND	10.0	9.38	ug/L	94	1.4	SW846 8260B
m-Xylene & p-Xylene	**ND**	**20.0**	**17.9**	**ug/L**	**89**		**SW846 8260B**
	ND	**20.0**	**18.5**	**ug/L**	**92**	**3.2**	**SW846 8260B**
Chloroform	**ND**	**10.0**	**8.51**	**ug/L**	**85**		**SW846 8260B**
	ND	**10.0**	**8.67**	**ug/L**	**87**	**1.9**	**SW846 8260B**
o-Xylene	**ND**	**10.0**	**9.22**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.46**	**ug/L**	**95**	**2.6**	**SW846 8260B**
Chloromethane	ND	10.0	9.64	ug/L	96		SW846 8260B
	ND	10.0	9.76	ug/L	98	1.2	SW846 8260B
2-Chlorotoluene	ND	10.0	8.71	ug/L	87		SW846 8260B
	ND	10.0	8.95	ug/L	90	2.7	SW846 8260B
4-Chlorotoluene	ND	10.0	9.06	ug/L	91		SW846 8260B
	ND	10.0	9.28	ug/L	93	2.4	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10.0	7.00	ug/L	70		SW846 8260B
	ND	10.0	7.52	ug/L	75	7.2	SW846 8260B
1,2-Dibromoethane	ND	10.0		ug/L	0		SW846 8260B
	ND	10.0		ug/L			SW846 8260B
1,2-Dichlorobenzene	ND	10.0	8.47	ug/L	85		SW846 8260B
	ND	10.0	8.72	ug/L	87	2.9	SW846 8260B
1,3-Dichlorobenzene	ND	10.0	8.45	ug/L	84		SW846 8260B
	ND	10.0	8.75	ug/L	88	3.5	SW846 8260B
1,4-Dichlorobenzene	ND	10.0	8.51	ug/L	85		SW846 8260B
	ND	10.0	8.83	ug/L	88	3.7	SW846 8260B
Dichlorodifluoromethane	ND	10.0	13.4	ug/L	134		SW846 8260B
	ND	10.0	13.5	ug/L	135	0.81	SW846 8260B
1,1-Dichloroethane	**ND**	**10.0**	**9.33**	**ug/L**	**93**		**SW846 8260B**
	ND	**10.0**	**9.50**	**ug/L**	**95**	**1.8**	**SW846 8260B**
1,2-Dichloroethane	**ND**	**10.0**	**9.23**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.36**	**ug/L**	**94**	**1.4**	**SW846 8260B**
cis-1,2-Dichloroethene	**ND**	**10.0**	**9.53**	**ug/L**	**95**		**SW846 8260B**
	ND	**10.0**	**9.60**	**ug/L**	**96**	**0.73**	**SW846 8260B**
trans-1,2-Dichloroethene	ND	10.0	9.71	ug/L	97		SW846 8260B
	ND	10.0	9.84	ug/L	98	1.3	SW846 8260B
1,1-Dichloroethene	**ND**	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**3.6**	**SW846 8260B**

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BOE-C6-0052949

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,2-Dichloropropane	ND	10.0	9.19	ug/L	92		SW846 8260B
	ND	10.0	9.68	ug/L	97	5.2	SW846 8260B
1,1-Dichloropropene	ND	10.0	9.37	ug/L	94		SW846 8260B
	ND	10.0	9.66	ug/L	97	3.0	SW846 8260B
Tert-amyl methyl ether	ND	10.0	8.47	ug/L	85		SW846 8260B
	ND	10.0	8.58	ug/L	86	1.3	SW846 8260B
Tert-butyl ethyl ether	ND	10.0	8.44	ug/L	84		SW846 8260B
	ND	10.0	8.56	ug/L	86	1.4	SW846 8260B
Ethylbenzene	**ND**	**10.0**	**9.38**	**ug/L**	**94**		**SW846 8260B**
	ND	**10.0**	**9.71**	**ug/L**	**97**	**3.4**	**SW846 8260B**
Hexachlorobutadiene	ND	10.0	8.46	ug/L	85		SW846 8260B
	ND	10.0	8.92	ug/L	89	5.3	SW846 8260B
2-Hexanone	ND	50.0	43.2	ug/L	86		SW846 8260B
	ND	50.0	43.8	ug/L	88	1.3	SW846 8260B
Isopropylbenzene	ND	10.0	8.20	ug/L	82		SW846 8260B
	ND	10.0	8.61	ug/L	86	4.9	SW846 8260B
Isopropyl ether	ND	10.0	9.43	ug/L	94		SW846 8260B
	ND	10.0	9.52	ug/L	95	0.95	SW846 8260B
p-Isopropyltoluene	ND	10.0	8.54	ug/L	85		SW846 8260B
	ND	10.0	8.80	ug/L	88	3.0	SW846 8260B
Methylene chloride	ND	10.0	8.03	ug/L	80		SW846 8260B
	ND	10.0	8.01	ug/L	80	0.24	SW846 8260B
4-Methyl-2-pentanone	ND	50.0	44.0	ug/L	88		SW846 8260B
	ND	50.0	43.3	ug/L	87	1.6	SW846 8260B
Methyl tert-butyl ether	ND	10.0	8.72	ug/L	87		SW846 8260B
	ND	10.0	8.77	ug/L	88	0.57	SW846 8260B
n-Propylbenzene	ND	10.0	8.73	ug/L	87		SW846 8260B
	ND	10.0	9.09	ug/L	91	4.0	SW846 8260B
Styrene	ND	10.0	9.46	ug/L	95		SW846 8260B
	ND	10.0	9.77	ug/L	98	3.2	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	10.0	9.81	ug/L	98		SW846 8260B
	ND	10.0	10.2	ug/L	102	4.1	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	10.0	8.79	ug/L	88		SW846 8260B
	ND	10.0	9.01	ug/L	90	2.5	SW846 8260B
Tetrachloroethene	**ND**	**10.0**	**9.06**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**9.38**	**ug/L**	**94**	**3.5**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.39**	**ug/L**	**94**		**SW846 8260B**
	ND	**10.0**	**9.63**	**ug/L**	**96**	**2.5**	**SW846 8260B**
1,2,3-Trichlorobenzene	ND	10.0	8.35	ug/L	84		SW846 8260B
	ND	10.0	8.70	ug/L	87	4.1	SW846 8260B

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BOE-C6-0052950

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E6K150191 **Work Order #...:** JJWD51A2-MS **Matrix.....:** WATER
MS Lot-Sample #: E6K160321-015 JJWD51A3-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2,4-Trichloro-benzene	ND	10.0	8.32	ug/L	83		SW846 8260B
	ND	10.0	8.60	ug/L	86	3.3	SW846 8260B
1,1,1-Trichloroethane	**ND**	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**2.1**	**SW846 8260B**
1,1,2-Trichloroethane	ND	10.0	9.26	ug/L	93		SW846 8260B
	ND	10.0	9.31	ug/L	93	0.53	SW846 8260B
Trichloroethene	**ND**	**10.0**	**8.96**	**ug/L**	**90**		**SW846 8260B**
	ND	**10.0**	**9.13**	**ug/L**	**91**	**1.9**	**SW846 8260B**
Trichlorofluoromethane	ND	10.0	9.60	ug/L	96		SW846 8260B
	ND	10.0	10.0	ug/L	100	4.5	SW846 8260B
1,2,3-Trichloropropane	ND	10.0	7.95	ug/L	80		SW846 8260B
	ND	10.0	8.09	ug/L	81	1.7	SW846 8260B
1,1,2-Trichlorotrifluoro-ethane	ND	10.0	9.57	ug/L	96		SW846 8260B
	ND	10.0	10.1	ug/L	101	5.5	SW846 8260B
1,2,4-Trimethylbenzene	ND	10.0	8.78	ug/L	88		SW846 8260B
	ND	10.0	9.16	ug/L	92	4.2	SW846 8260B
1,3,5-Trimethylbenzene	ND	10.0	8.95	ug/L	90		SW846 8260B
	ND	10.0	9.22	ug/L	92	3.0	SW846 8260B
Vinyl chloride	**ND**	**10.0**	**9.81**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.98**	**ug/L**	**100**	**1.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	93	(70 - 125)
	92	(70 - 125)
1,2-Dichloroethane-d4	87	(55 - 135)
	87	(55 - 135)
Toluene-d8	93	(70 - 130)
	94	(70 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

BOE-C6-0052951

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...:	E6K150191	**Work Order #...:**	JJP0R1AD-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E6K150138-001		JJP0R1AE-MSD		
Date Sampled...:	11/14/06 06:30	**Date Received..:**	11/15/06 07:55	**MS Run #.....:**	6320235
Prep Date.....:	11/15/06	**Analysis Date..:**	11/16/06		
Prep Batch #...:	6320473	**Analysis Time..:**	02:27		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	**102**	**(70 - 140)**			**SW846 8015B**
	96	**(70 - 140)**	**5.9**	**(0-25)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	118	(60 - 130)
	117	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...:	E6K150191	**Work Order #...:**	JJP0R1AD-MS	**Matrix.....:**	WATER
MS Lot-Sample #:	E6K150138-001		JJP0R1AE-MSD		
Date Sampled...:	11/14/06 06:30	**Date Received..:**	11/15/06 07:55	**MS Run #.....:**	6320235
Prep Date.....:	11/15/06	**Analysis Date..:**	11/16/06		
Prep Batch #...:	6320473	**Analysis Time..:**	02:27		
Dilution Factor:	1	**Analyst ID.....:**	001464	**Instrument ID..:**	G15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
TPH (as Gasoline)	**ND**	**1.00**	**1.02**	**mg/L**	**102**		**SW846 8015B**
	ND	**1.00**	**0.963**	**mg/L**	**96**	**5.9**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene (TFT)	118	(60 - 130)
	117	(60 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/14/06 14:30 **Date Received..:** 11/14/06 18:50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K140345-009 **Prep Batch #...:** 6320224							
Mercury	107	(80 - 120)			SW846 7470A	11/17/06	JJN681EJ
	93	(80 - 120)	14	(0-20)	SW846 7470A	11/17/06	JJN681EK

Dilution Factor: 1
Analysis Time..: 15:44 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 6320127

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/14/06 14:30 **Date Received..:** 11/14/06 18:50

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K140345-009 **Prep Batch #...:** 6320224									
Mercury									
	ND	0.00100	0.00107	mg/L	107		SW846 7470A	11/17/06	JJN681EJ
	ND	0.00100	0.00093	mg/L	93	14	SW846 7470A	11/17/06	JJN681EK

Qualifiers:
Dilution Factor: 1
Analysis Time..: 15:44 Instrument ID..: M04 Analyst ID.....: 000023
MS Run #.....: 6320127

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/15/06 09:43 **Date Received..:** 11/15/06 14:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K150366-001 **Prep Batch #...:** 6321229							
Aluminum	98	(80 - 120)			SW846 6010B	11/21/06	JJR0R1FV
	98	(80 - 120)	0.42	(0-20)	SW846 6010B	11/21/06	JJR0R1FW
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Arsenic	99	(85 - 120)			SW846 6010B	11/21/06	JJR0R1E4
	99	(85 - 120)	0.60	(0-20)	SW846 6010B	11/21/06	JJR0R1E5
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Antimony	101	(85 - 120)			SW846 6010B	11/21/06	JJR0R1F0
	101	(85 - 120)	0.0	(0-20)	SW846 6010B	11/21/06	JJR0R1F1
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Barium	100	(85 - 120)			SW846 6010B	11/21/06	JJR0R1E6
	100	(85 - 120)	0.01	(0-20)	SW846 6010B	11/21/06	JJR0R1E7
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Cadmium	93	(85 - 120)			SW846 6010B	11/21/06	JJR0R1FA
	93	(85 - 120)	0.58	(0-20)	SW846 6010B	11/21/06	JJR0R1FC
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Chromium	93	(85 - 120)			SW846 6010B	11/21/06	JJR0R1FD
	93	(85 - 120)	0.21	(0-20)	SW846 6010B	11/21/06	JJR0R1FE
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Beryllium	94	(85 - 120)			SW846 6010B	11/21/06	JJR0R1F3
	94	(85 - 120)	0.25	(0-20)	SW846 6010B	11/21/06	JJR0R1F4
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/15/06 09:43 **Date Received..:** 11/15/06 14:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	97	(80 - 120)			SW846 6010B	11/21/06	JJR0R1FM
	97	(80 - 120)	0.14	(0-20)	SW846 6010B	11/21/06	JJR0R1FN
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Selenium	96	(80 - 120)			SW846 6010B	11/21/06	JJR0R1FP
	96	(80 - 120)	0.01	(0-20)	SW846 6010B	11/21/06	JJR0R1FQ
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Silver	98	(85 - 120)			SW846 6010B	11/21/06	JJR0R1F6
	99	(85 - 120)	0.60	(0-20)	SW846 6010B	11/21/06	JJR0R1F7
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Cobalt	92	(80 - 120)			SW846 6010B	11/21/06	JJR0R1F9
	92	(80 - 120)	0.21	(0-20)	SW846 6010B	11/21/06	JJR0R1GA
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Copper	109	(85 - 120)			SW846 6010B	11/21/06	JJR0R1FF
	109	(85 - 120)	0.11	(0-20)	SW846 6010B	11/21/06	JJR0R1FG
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Molybdenum	95	(85 - 120)			SW846 6010B	11/21/06	JJR0R1GD
	95	(85 - 120)	0.11	(0-20)	SW846 6010B	11/21/06	JJR0R1GE
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Nickel	93	(85 - 120)			SW846 6010B	11/21/06	JJR0R1GG
	93	(85 - 120)	0.25	(0-20)	SW846 6010B	11/21/06	JJR0R1GH
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/15/06 09:43 **Date Received..:** 11/15/06 14:40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	97	(80 - 120)			SW846 6010B	11/21/06	JJR0R1GK
	98	(80 - 120)	0.31	(0-20)	SW846 6010B	11/21/06	JJR0R1GL
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Vanadium	97	(85 - 120)			SW846 6010B	11/21/06	JJR0R1GN
	97	(85 - 120)	0.25	(0-20)	SW846 6010B	11/21/06	JJR0R1GP
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					
Zinc	104	(85 - 120)			SW846 6010B	11/21/06	JJR0R1FR
	102	(85 - 120)	2.0	(0-20)	SW846 6010B	11/21/06	JJR0R1FT
		Dilution Factor: 1					
		Analysis Time..: 18:57			Instrument ID..: M01	Analyst ID.....: 021088	
		MS Run #.....: 6326303					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

BOE-C6-0052958

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/15/06 09:43 **Date Received..:** 11/15/06 14:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E6K150366-001 **Prep Batch #...:** 6321229									
Aluminum									
	ND	2.00	1.97	mg/L	98		SW846 6010B	11/21/06	JJR0R1FV
	ND	2.00	1.96	mg/L	98	0.42	SW846 6010B	11/21/06	JJR0R1FW
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Arsenic									
	ND	2.00	1.99	mg/L	99		SW846 6010B	11/21/06	JJR0R1E4
	ND	2.00	1.97	mg/L	99	0.60	SW846 6010B	11/21/06	JJR0R1E5
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Antimony									
	ND	0.500	0.504	mg/L	101		SW846 6010B	11/21/06	JJR0R1F0
	ND	0.500	0.504	mg/L	101	0.0	SW846 6010B	11/21/06	JJR0R1F1
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Barium									
	0.049	2.00	2.04	mg/L	100		SW846 6010B	11/21/06	JJR0R1E6
	0.049	2.00	2.04	mg/L	100	0.01	SW846 6010B	11/21/06	JJR0R1E7
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Cadmium									
	ND	0.0500	0.0464	mg/L	93		SW846 6010B	11/21/06	JJR0R1FA
	ND	0.0500	0.0466	mg/L	93	0.58	SW846 6010B	11/21/06	JJR0R1FC
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Chromium									
	0.0023	0.200	0.188	mg/L	93		SW846 6010B	11/21/06	JJR0R1FD
	0.0023	0.200	0.188	mg/L	93	0.21	SW846 6010B	11/21/06	JJR0R1FE
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/15/06 09:43 **Date Received..:** 11/15/06 14:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	ND	0.0500	0.0471	mg/L	94		SW846 6010B	11/21/06	JJR0R1F3
	ND	0.0500	0.0470	mg/L	94	0.25	SW846 6010B	11/21/06	JJR0R1F4
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Lead									
	ND	0.500	0.484	mg/L	97		SW846 6010B	11/21/06	JJR0R1FM
	ND	0.500	0.485	mg/L	97	0.14	SW846 6010B	11/21/06	JJR0R1FN
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Selenium									
	ND	2.00	1.92	mg/L	96		SW846 6010B	11/21/06	JJR0R1FP
	ND	2.00	1.92	mg/L	96	0.01	SW846 6010B	11/21/06	JJR0R1FQ
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Silver									
	ND	0.0500	0.0491	mg/L	98		SW846 6010B	11/21/06	JJR0R1F6
	ND	0.0500	0.0494	mg/L	99	0.60	SW846 6010B	11/21/06	JJR0R1F7
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Cobalt									
	ND	0.500	0.460	mg/L	92		SW846 6010B	11/21/06	JJR0R1F9
	ND	0.500	0.459	mg/L	92	0.21	SW846 6010B	11/21/06	JJR0R1GA
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Copper									
	ND	0.250	0.272	mg/L	109		SW846 6010B	11/21/06	JJR0R1FF
	ND	0.250	0.272	mg/L	109	0.11	SW846 6010B	11/21/06	JJR0R1FG
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: E6K150191 **Matrix.....:** WATER
Date Sampled...: 11/15/06 09:43 **Date Received..:** 11/15/06 14:40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum									
	0.0032	1.00	0.950	mg/L	95		SW846 6010B	11/21/06	JJR0R1GD
	0.0032	1.00	0.949	mg/L	95	0.11	SW846 6010B	11/21/06	JJR0R1GE
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Nickel									
	0.022	0.500	0.486	mg/L	93		SW846 6010B	11/21/06	JJR0R1GG
	0.022	0.500	0.487	mg/L	93	0.25	SW846 6010B	11/21/06	JJR0R1GH
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Thallium									
	ND	2.00	1.95	mg/L	97		SW846 6010B	11/21/06	JJR0R1GK
	ND	2.00	1.96	mg/L	98	0.31	SW846 6010B	11/21/06	JJR0R1GL
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Vanadium									
	0.032	0.500	0.516	mg/L	97		SW846 6010B	11/21/06	JJR0R1GN
	0.032	0.500	0.515	mg/L	97	0.25	SW846 6010B	11/21/06	JJR0R1GP
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						
Zinc									
	0.015	0.500	0.534	mg/L	104		SW846 6010B	11/21/06	JJR0R1FR
	0.015	0.500	0.523	mg/L	102	2.0	SW846 6010B	11/21/06	JJR0R1FT
			Dilution Factor: 1						
			Analysis Time..: 18:57		Instrument ID..: M01			Analyst ID.....: 021088	
			MS Run #.....: 6326303						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Appendix E

Waste Manifests

AVOCET
ENVIRONMENTAL, INC.

TPST Soil Recyclers of CA

ADE 25219

12328 Hibiscus Ave. Adelanto, CA 92301

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A24066 Load # 1 11/20/2006

Generator Site Information:
BOEING COMPANY
1452 KNOX ST

TORRANCE, CA

Weighmaster Weighed At:
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

			Lbs	Tons	
D Jeffrey	Time In: 7:46:39 AM	Gross Weight:	52100	31.05	Manual WM
D Jeffrey	Time out: 7:48:40 AM	Tare Weight:	44020	22.01	Manual WM
		Net Weight:	18080	9.04	

Truck Number: 508

Trailer Number: 508

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - FRED

TOTAL - 3 BINS
24.14 tons

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter	508	A07	280106	1001

Generator and/or Consultant

Generator's Name and Billing Address: Boeing Realty Corporation 4501 E. Conant Street Long Beach, CA 90808	Generator's Phone #:	Generator's US EPA ID No.
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:
Generation Site (Transport from): *(name & address)* Boeing Company 1452 Knox Street Torrance, CA	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS Technologies 12328 Hibiscus Rd. Adelanto, CA 92301-1700	Facility Phone #: (800) 862-8001	Facility Permit Numbers
	Person to Contact: Dellena Jeffrey	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: American Integrated Services, Inc. P.O. Box 92316 Long Beach, CA 90809-2316	Transporter's Phone #: (310) 522-1168	Transporter's US EPA ID No.: CAR000148338
	Person to Contact: Melynda Borrego	Transporter's DOT No.:
	FAX#: (310) 522-0474	Customer Account Number with TPST: 7704908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	20YD	Soil	62100	44020	18080
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					9.04

List any exception to items listed above: AIS Project # 26002-75 B16025 Scale Ticket# 25219

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Scott Lattimore Generator ☑ Consultant ☐ Signature and date: [signature] Month 11 Day 21 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Ben Burgos Signature and date: [signature] Month 11 Day 21 Year 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: [signature] 11/22/06

Please print or type.

TRANSPORTER COPY

TPST Soil Recyclers of CA

ADE 25220

12328 Hibiscus Ave. Adelanto, CA 92301

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: A2 3069 Load #: 2 11/22/2006

Generator Site Information:
BOEING COMPANY
1482 KNOX ST
TORRANCE, CA

Weighmaster Weighed at:
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

			Lbs	Tons	
D Jeffrey	Time In: 7:47:13 AM	Gross Weight:	62060	31.03	Manual Wt
D Jeffrey	Time out: 7:47:15 AM	Tare Weight:	44020	22.01	Manual Wt
		Net Weight:	18040	9.02	

Truck Number: 508
Trailer Number: 508
Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - FREO

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Generator and/or Consultant

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter	508	407	280606	01012

Generator's Name and Billing Address: Boeing Realty Corporation, 4501 E. Conant Street, Long Beach, CA 90808	Generator's Phone #:	Generator's US EPA ID No.
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:
Generation Site (Transport from): *(name & address)* Boeing Company, 1452 Knox Street, Torrance, CA	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS Technologies, 12328 Hibiscus Rd., Adelanto, CA 92301-1700	Facility Phone #: (800) 882-8001	Facility Permit Numbers
	Person to Contact: Dellena Jeffrey	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: American Integrated Services, Inc., P.O. Box 92316, Long Beach, CA 90809-2316	Transporter's Phone #: (310) 522-1188	Transporter's US EPA ID No.: CAR000148338
	Person to Contact: Melynda Borrego	Transporter's DOT No.:
	FAX#: (310) 522-0474	Customer Account Number with TPST: 7704908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	20 YD	soil	62060	44020	18040
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					9.02

List any exception to items listed above: AIS Project # 26002-75 B16012 Scale Ticket# 25220

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Scott Lattimore Generator ☑ Consultant ❑ Signature and date: [signature] Month 11 Day 21 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Ben Burgos Signature and date: [signature] Month 11 Day 21 Year 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: [signature] 11/22/06

Please print or type.

TRANSPORTER COPY

TPST Soil Recyclers of CA

ADE 25222

12328 Hibiscus Ave. Adelanto, CA 92301

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number: AZ 5069 Load # 1 11/22/2006

Generator Site Information:
BOEING COMPANY
1451 KNOX ST
TORRANCE, CA

Weighmaster Weighed at:
TPST SOIL RECYCLERS OF CALIFORNIA
12328 HIBISCUS AVE
ADELANTO, CA 92301

			Lbs	Tons	
D Jeffrey	Time In: 7:48:34 AM	Gross Weight:	50340	25.17	Manual Wt
D Jeffrey	Time out: 8:05:34 AM	Tare Weight:	38180	19.09	Manual Wt
		Net Weight:	12160	6.08	

Truck Number: 614

Trailer Number: 210

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - GEORGE

Manifest

TPST Soil Recyclers of CA
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPST:	Load #
	Transporter	214/210	A07	28069	9011

Generator and/or Consultant

Generator's Name and Billing Address: Boeing Realty Corporation, 4501 E. Conant Street, Long Beach, CA 90808	Generator's Phone #:	Generator's US EPA ID No.
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number with TPST:
Generation Site (Transport from): *(name & address)* Boeing Company, 1451 Knox Street, Torrance, CA	Site Phone #:	BTEX Levels
	Person to Contact:	TPH Levels
	FAX#:	AVG. Levels
Designated Facility (Transport to): *(name & address)* TPS Technologies, 12328 Hibiscus Rd., Adelanto, CA 92301-1700	Facility Phone #: (800) 862-8001	Facility Permit Numbers
	Person to Contact: Dellena Jeffrey	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: American Integrated Services, Inc., P.O. Box 92316, Long Beach, CA 90809-2316	Transporter's Phone #: (310) 522-1168	Transporter's US EPA ID No.: CAR000148338
	Person to Contact: Melynda Borrego	Transporter's DOT No.:
	FAX#: (310) 522-0474	Customer Account Number with TPST: 7704908

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	20YD	Soil	5040	3880	12160
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					6608

List any exception to items listed above: AIS Project # 28002-75 B160116 Scale Ticket# 25222

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: SCOTT LATTIMORE Generator ☑ Consultant ☐ Signature and date: Scott Lattimore Month 11 Day 21 Year 06

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Ben Burgos Signature and date: Month 11 Day 21 Year 06

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: 11/21/06

Please print or type.

TRANSPORTER COPY

Siemens Water Technologies Corp.
5375 S. Boyle Ave.
Los Angeles, CA 90058
(213) 277-1500

WEIGHMASTER CERTIFICATE: This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is recognized authority of accuracy, as prescribed by chapter 7 (commencing with section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.
* = STORED TARE WEIGHT ** = MANUAL WEIGHT

Transaction No. 00026796 Time In 11:52 Time Out 15:43 Date 12/04/06

MANIFEST NO. 000285767JJK
Generator Name BOEING REALTY

Transporter ANCON MARINE
Driver Name ESTBAN BECERRA
Vehicle I.D. 9D55519/4AS2302

Gross 66700 lb
Tare 38080 lb
Net 28620 lb

Waste Code D029
Description
Sp. Gravity/gal 1.00

Volume in GALLONS 3431.7

Weighmaster Marisela Flores
MARISELA FLORES

3039068

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 20

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	CAL000255081		088-423-6080	000285767 JJK

5. Generator's Name and Mailing Address
Boeing Realty Corporation
~~15430 Laguna Canyon Drive Suite 2~~
~~Irvine, CA 92618~~
4501 E. Conant St.
Long Beach CA 90808
Generator's Phone: [illegible]

Generator's Site Address (if different than mailing address)
1451 Knox Street
Torrance, CA 90501 USA

6. Transporter 1 Company Name: 562-499-6200
~~American Integrated Services, Inc.~~ ANCON MARINE
U.S. EPA ID Number: CAD 9807370
~~CAR000149330~~

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Siemens Water Technologies
5375 South Boyle Avenue
Los Angeles, CA 90058
Facility's Phone: 323-277-1500
U.S. EPA ID Number
CAD097030999

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Hazardous Waste Liquid, nos. 9, NA3082, PG II	1	TT	4600	G	134	D040	D020
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Wear appropriate PPE while handling. Weights or Volumes are approximate.
Water contaminated with 1,1-Dichloroethane & Trichloroethane
Job #26002-75 Profile # 3039068

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: S.M. Stovic
Signature: S.M. Stovic
Month 12 Day 4 Year 06

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ESTEBAN BECERRA
Signature: Esteban Becerra
Month 12 Day 4 Year 06
Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
manifested 4/16 Gal Received 3431.7 Gal
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature: [illegible]
Month 12 Day 04 Year 06

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Appendix F

Survey Report

AVOCET
ENVIRONMENTAL, INC.

KDM MERIDIAN

CIVIL ENGINEERING AND LAND SURVEYING

December 4, 2006 **KDMM #06-AVO-01**

Mr. Michael A. Rendina, P.G.
Avocet Environmental, Inc.
16 Technology Drive, Suite 154
Irvine, CA 92618-2327

Re: **BRC Former C-6 Facility, Torrance - CA**
Survey Report

Dear Mr. Rendina:

KDM Meridian is pleased to provide **Avocet Environmental** with this report of survey work performed on the subject site November 21, 2006 at your request. The scope of work included the survey of seven (7) newly installed wells and checking several of the existing wells that had been surveyed by Tait & Assoc.

The bench mark formerly used (Y-3030) has been destroyed by construction of a new railroad crossing. The nearest existing bench mark in the Los Angeles County Surveyor's system was used: Y-3031 / Elv. 48.878 feet, NAVD-88.

Two (2) on-site Survey Control Points were set and coordinates established thereon in CCS-83, Zone V, 2002.00 Epoch and NAVD-88.

A closed differential level loop was run with a digital level from the bench mark through the SCPs. Closed level loops were then run through each surveyed well from TBMs set during the main level loop. The SCPs were surveyed through post-process static sessions of more than two (2 hours) each from NGS sanctioned CORS stations. The wells were then surveyed through post-process-kinematic methods against the SCPs.

Elevations were consistent with the former surveys provided; however a difference of approximately 7.2 feet North and 4.1 feet West is noted with the four (4) wells surveyed from the existing data. Contact was established with Tait & Assoc. but the difference was not resolved. Additional checks were performed and we are confident our survey is correct and unable to rectify the difference.

Attachments:

Exhibit 1	**Summary Table (Boeing EDD)**	
Exhibit 2	**GeoTracker Files (GeoTracker EDD)**	(Global Site ID not provided)
Exhibit 3	**Recovery Form (SCPs)**	
Exhibit 4	**Site Figure**	

Thank you for allowing **KDM Meridian, Inc.** to provide surveying services to **Avocet Environmental**. Should you have questions concerning anything contained in this report, please contact me.

Sincerely,

Richard C. Maher, CA PLS #7564
President
KDM Meridian, Inc.

PROFESSIONAL LAND SURVEYOR
RICHARD C. MAHER
No. 7564
Exp: 12/31/07
STATE OF CALIFORNIA

22722 Lambert Street, Suite 1710, Lake Forest, California 92630
Telephone: 949-768-0731 Facsimile: 949-768-3731
KDMMeridian.com

Exhibit 1

SITE	OBJECT TYPE	OBJ. NAME	X-COORD	Y-COORD	XY UNITS	XY DATUM	XY DATE	LONGITUDE	LATITUDE	OBJ. ELEV.	GROUND ELEV.	ELEV. UNIT	ELEV. DATUM	ELEV. DATE	LOCATION DESCRIPTION	COMMENTS
BRC FORMER C-6	MONITORING WELL	EWC001	6470360.97	1769603.92	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3008505	33.8545989	53.01	53.55	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	MONITORING WELL	EWC001	6470359.29	1769705.98	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3007229	33.8548792	52.59	53.12	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	MONITORING WELL	EWC002	6470266.69	1769567.88	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3010147	33.8512010	51.78	52.65	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	MONITORING WELL	MWC001	6470121.09	1769482.84	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3014050	33.8514339	53.60	54.20	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	MONITORING WELL	MWC002	6470239.20	1769680.11	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3011092	33.8528291	51.56	52.30	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	MONITORING WELL	MWC004	6470265.98	1769408.51	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3010174	33.8513141	51.44	52.06	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	MONITORING WELL	WCC 095	6470883.55	1769499.29	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.2990520	33.8540888	54.96	55.29	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	SURVEY CONTROL POINT	SCP-1	6470143.50	1769145.24	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3014207	33.8533380	53.88	53.86	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%
BRC FORMER C-6	SURVEY CONTROL POINT	SCP-2	6470141.76	1769313.29	FEET	CCS-83, ZONE V, 2002.00 EPOCH	11/21/2006	-118.3014256	33.8510903	53.92	53.92	FEET	NAVD-88	11/21/2006		+/- 0.05 FEET, 95%

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE	XY_SURVEY_DESC
?	EWB001	MW	11/21/2006	33.8545969	-118.3006505	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00
?	EWC001	MW	11/21/2006	33.8548762	-118.3007229	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00
?	EWC002	MW	11/21/2006	33.8512010	-118.3010147	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00
?	IWC001	MW	11/21/2006	33.8514339	-118.3014950	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00
?	IWC002	MW	11/21/2006	33.8520291	-118.3011062	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00
?	MWC024	MW	11/21/2006	33.8513141	-118.3010174	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00
?	WCC_09S	MW	11/21/2006	33.8540666	-118.2996520	STAT	NAD83	2	KDM MERIDIAN (949) 768-0731	T57	NAD_83(CORS96) 2002.00

Exhibit 2

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC	EFF_DATE
?	EWB001	11/21/2006	53.01	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.55	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	
?	EWC001	11/21/2006	52.59	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.53	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	
?	EWC002	11/21/2006	51.76	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.29	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	
?	IWC001	11/21/2006	53.60	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.60	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	
?	IWC002	11/21/2006	51.56	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.74	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	
?	MWC024	11/21/2006	51.64	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.42	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	
?	WCC_09S	11/21/2006	54.96	DIG	88	0.5	KDM MERIDIAN (949) 768-0731	-0.33	COUNTY OF LOS ANGELES BM Y 3031 (48.878')	

Exhibit 2

Exhibit 3

KDM MERIDIAN

22541 Aspan St., Ste. C - Lake Forest, CA 92630
Tel# (949) 768-0731 Fax# (949) 768-3731

GPS STATION RECOVERY / SATELLITE VISIBILITY DIAGRAM

STATION NAME: SCP-1 **GPS STATION NO:** 1

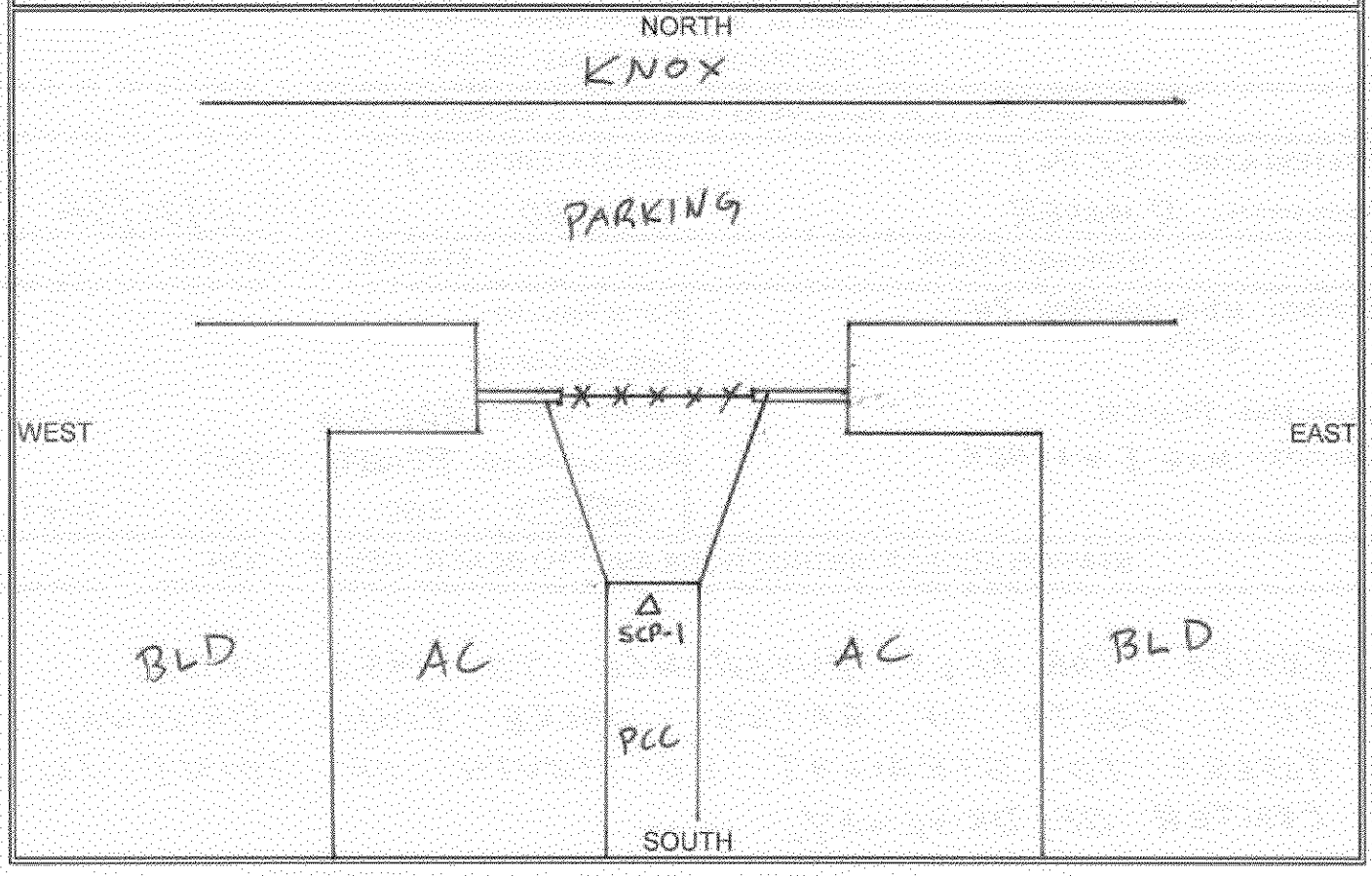
Recovered By: R. MAHER Target: NO Date: 11/21/06

MONUMENT DATA	STATION ACCESS DATA
Stamping: KDM CONTROL PNT SCP-1	Permit Required:
	Gate (Key/Combo):
Center Mark: PUNCH	Agency / Owner: BOEING
Description: MAG & WASHER	Restricted Access: PRIVATE PROP.
	2WD 4WD Heli Hike To

STATION ACCESS INSTRUCTIONS AND "TO REACH" DESCRIPTION

INSIDE THE N'LY ENTERANCE TO 1452 KNOX. 75'± SOUTH OF GATES, WHERE CONC. DRIVEWAY TAPERS TO STRAIGHT, 1.0' SOUTH OF JOINT IN CENTER OF DRIVEWAY.

STATION AREA DETAIL - STATION NO: 1



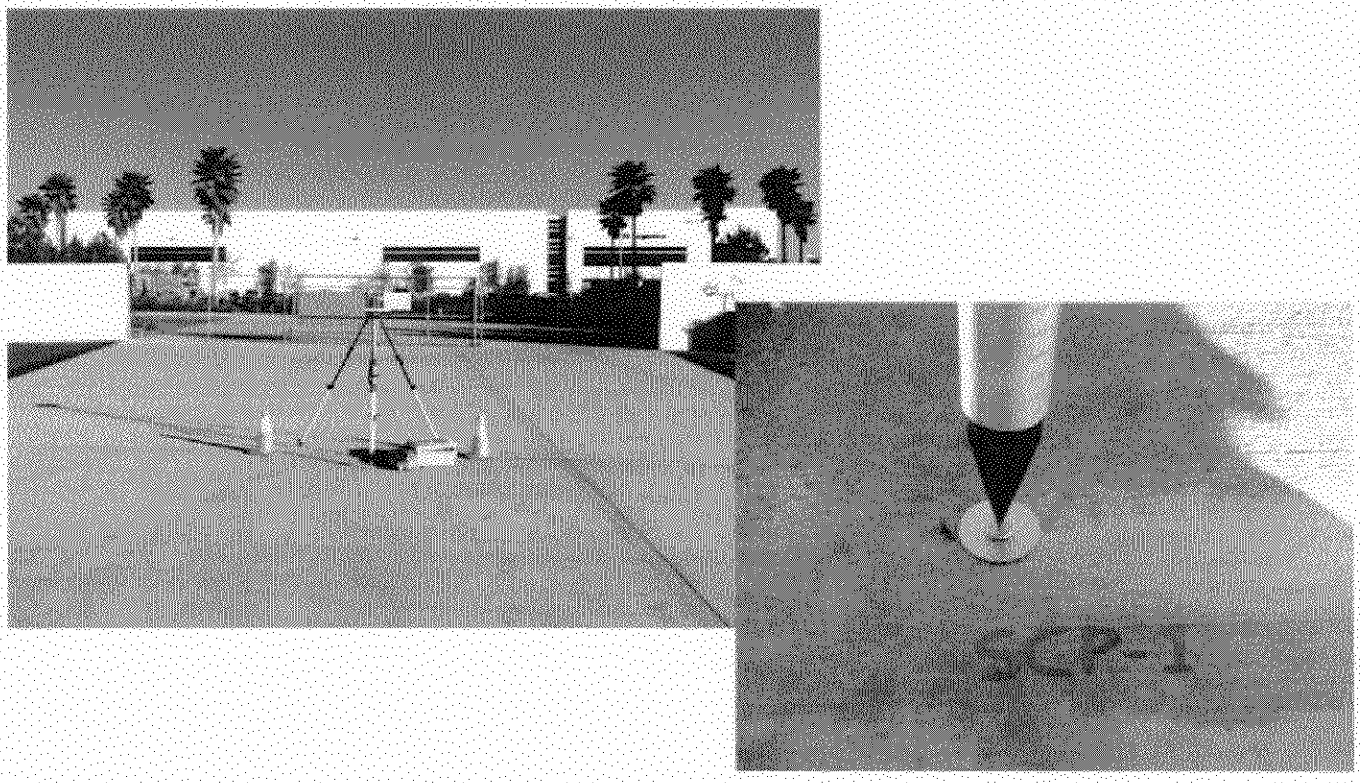


Exhibit 3

KDM MERIDIAN

22541 Aspan St., Ste. C - Lake Forest, CA 92630
Tel# (949) 768-0731 Fax# (949) 768-3731

GPS STATION RECOVERY / SATELLITE VISIBILITY DIAGRAM

STATION NAME: SCP-2 **GPS STATION NO:** 2

Recovered By: R.MAHER Target: NO Date: 11/21/06

MONUMENT DATA	STATION ACCESS DATA
Stamping: KDM CONTROL PNT SCP-1	Permit Required:
	Gate (Key/Combo):
Center Mark: PUNCH	Agency / Owner: BOEING
Description: MAG & WASHER	Restricted Access: PRIVATE PROP.
	2WD 4WD Heli Hike To

STATION ACCESS INSTRUCTIONS AND "TO REACH" DESCRIPTION

INSIDE THE S'LY ENTERANCE TO 1452 KNOX. 75'± NORTH OF GATES, WHERE CONC. DRIVEWAY TAPERS TO STRAIGHT, 1.6 SOUTH OF JOINT IN CENTER OF DRIVEWAY.

STATION AREA DETAIL - STATION NO: 2

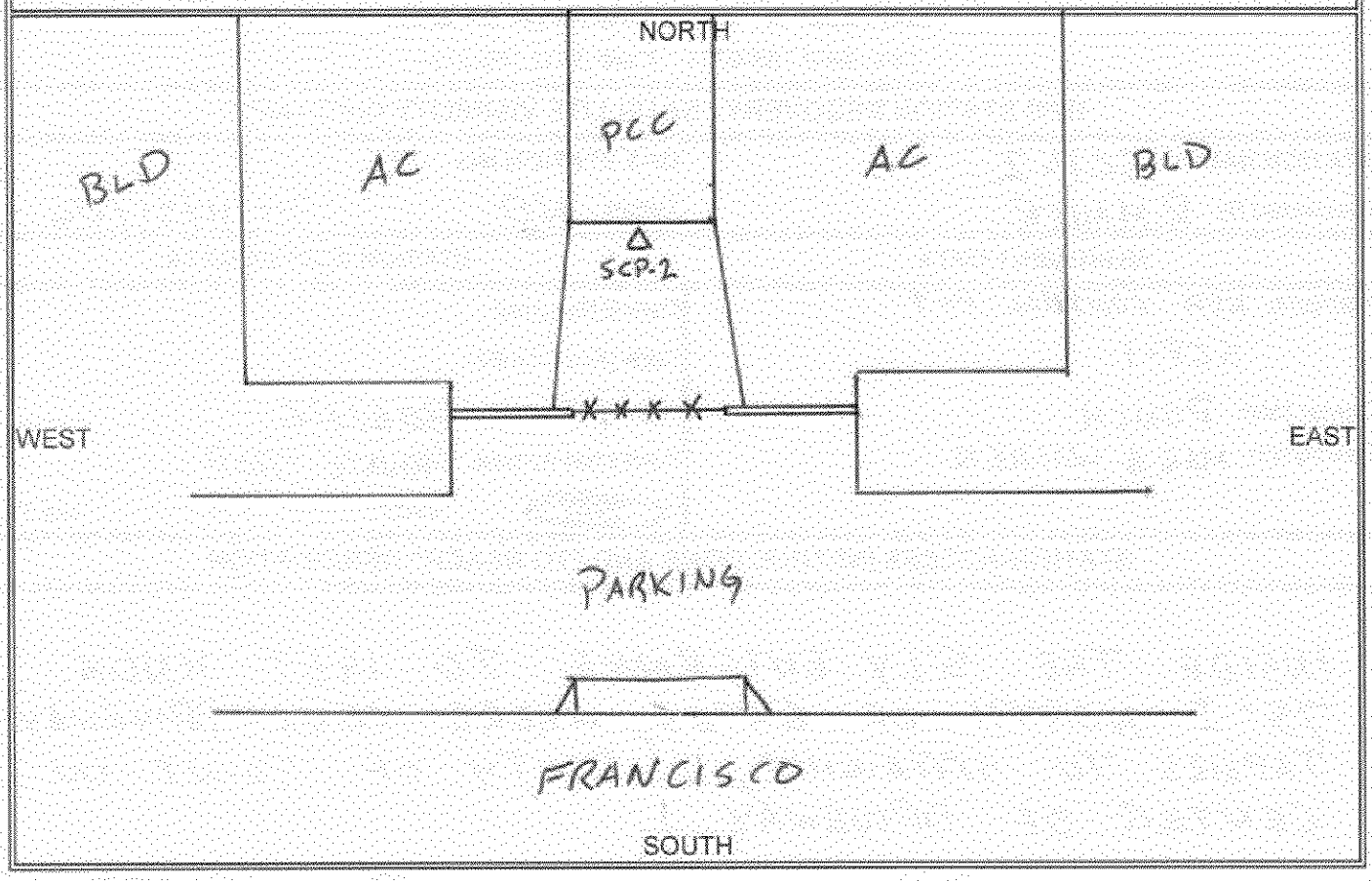
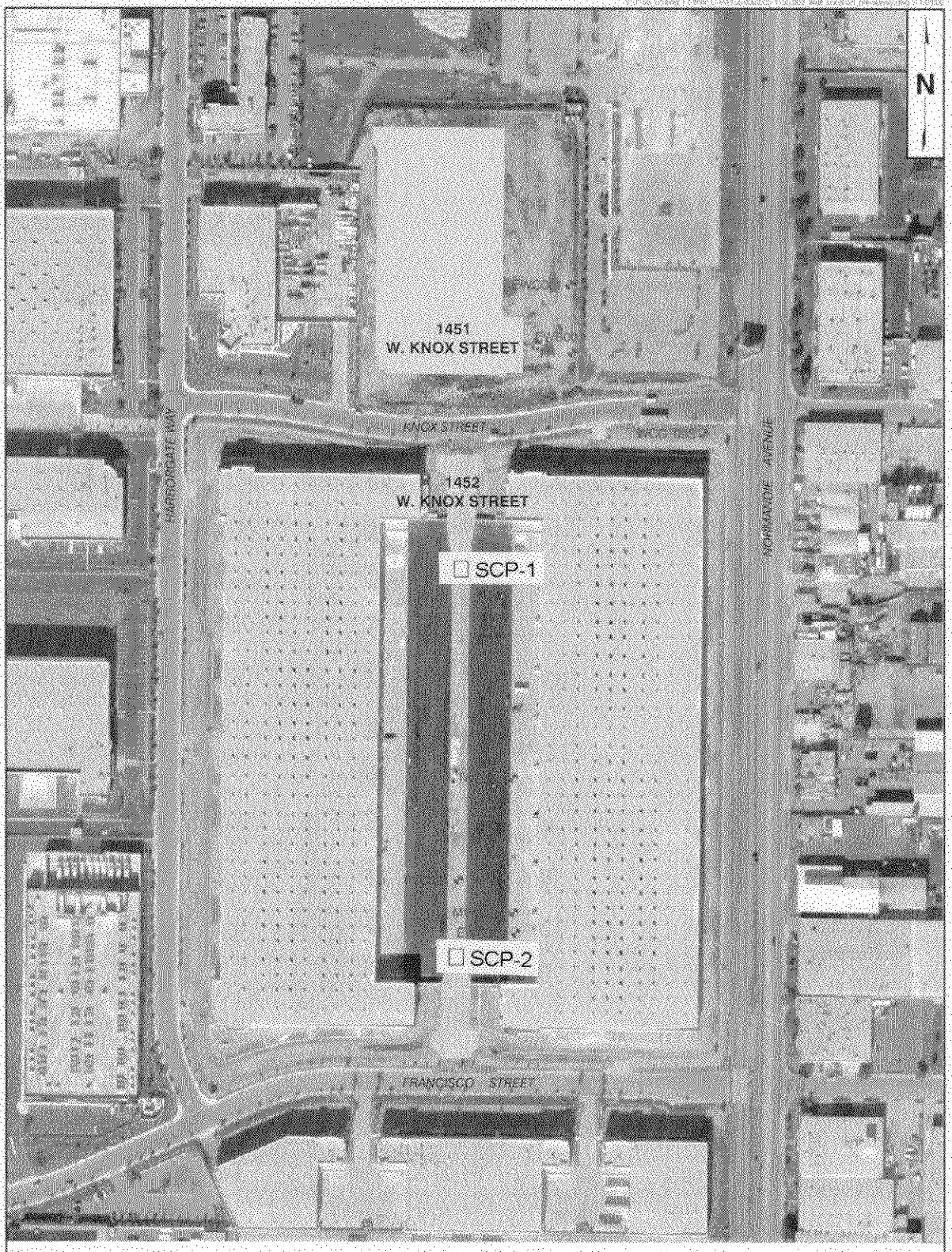


Exhibit 4



0 200 400 FEET
SCALE

LEGEND

EWC001 APPROXIMATE WELL LOCATION

FIGURE 1

APPROXIMATE WELL LOCATIONS

HARBOR GATEWAY PROJECT
LOS ANGELES, CALIFORNIA

AVOCET ENVIRONMENTAL, INC.