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**ADDITIONAL PHASE II SUBSURFACE ASSESSMENT
3051, 3065 & 3071 EAST MIRALOMA AVENUE
ANAHEIM, CALIFORNIA 92806**

Prepared for:

**City of Anaheim, Department of Public Works,
Development Services Division
Attention: Mr. Ronald B. Pickett
200 South Anaheim Boulevard, Suite 276
Anaheim, CA 92805**

Submitted by:

**AMEC Earth & Environmental, Inc.
1290 North Hancock Street, Suite 102
Anaheim, California 92807**

May 4, 2007

Project No. 6171002600, Phase ****, Task 4



May 4, 2007
Job No. 6171002600

Mr. Ronald Pickett, Real Property Analyst
City of Anaheim, Department of Public Works
Development Services Division
200 S. Anaheim Boulevard
Anaheim, California 92805

**Re: Additional Phase II Subsurface Assessment
Proposed Power Generation/Peaker Site
3051, 3065 and 3071 Miraloma Avenue
Anaheim, California 92806**

Dear Mr. Pickett:

AMEC Earth & Environmental, Inc. is pleased to present this Phase I Environmental Site Assessment report for the above-referenced property in Anaheim, California. We appreciate the opportunity to continue to assist the City. If you have any questions or desire further information, please feel free to contact the undersigned at (714) 779-2591.

Sincerely,

Nathan Starr, PG
Project Geologist
NS/DMB/dc

Dennis M. Bohme, B.S. Geological
Project Manager

Encl.: Phase I Environmental Site Assessment

c: Mr. Ronald Pickett, City of Anaheim (5)



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A handwritten signature in cursive script, appearing to read "Nathan Starr".

Nathan Starr, PG
Project Geologist

A handwritten signature in cursive script, appearing to read "Dennis M. Bohme".

Dennis M. Bohme
Geological Engineer/Project Manager

A handwritten signature in cursive script, appearing to read "Stewart Emhof".

Stewart Emhof
Associate Geologist

May 4, 2007

Project No. 6171002600, Phase ****, Task 4



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EXECUTIVE SUMMARY

AMEC Earth and Environmental, Inc. (AMEC) conducted an Additional Phase II Subsurface Assessment on behalf of the City of Anaheim for a light-industrial parcel located at 3051, 3065, and 3071 East Miraloma Avenue in Anaheim, California (site). The approximately 9.3-acre property is comprised of three parcels currently owned by the Karagines Family Trust, and a narrow strip of land located along the north side of East Miraloma Avenue.

The site is predominantly paved (concrete and asphalt). Principal land use for the site is food catering for a fleet of approximately 75 to 100 trucks, as operated by Orange County Food Service (OCFS). On-site structures include a kitchen/warehouse building, maintenance garage (9 service bays), truck wash facility (5 bays), two ice manufacturing buildings, several storage sheds, three houses along East Miraloma Avenue, and an outdoor truck repair shop which includes storage lockers for solvents and petroleum products (tenant - Gaio Trucking). Details of the subsurface site assessment performed by AMEC during 2007 on behalf of the City of Anaheim are as follows:

Date	Soil Boring Type	# of Borings and Samples Collected	Laboratory Analyses	Maximum Depth Range
22 March	Direct Push (soil-gas survey)	20 borings (SG-1 to SG-20); 25 soil-gas samples analyzed	VOC and GROs	5 feet bgs
29 March	Hollow-Stem Auger	3 borings (HS-1 to HS-3); 33 soil samples collected, of which 19 were analyzed; 3 groundwater samples analyzed.	TPH-cc & VOCs (soil); TPH-g, TPH-d and VOCs (groundwater)	90 feet bgs
30 March	Hollow-Stem Auger	1 boring (HS-4); 11 soil samples collected, of which 3 were analyzed; 1 groundwater sample analyzed.	TPH-cc & VOCs (soil); TPH-g, TPH-d and VOCs (groundwater)	90 feet bgs

Notes:

- bgs = below ground surface
- VOCs = volatile organic compounds by EPA Method 8260B
- TPH-g = total petroleum hydrocarbons as gasoline by EPA Method 8015B (M)
- TPH-d = total petroleum hydrocarbons as diesel by EPA Method 8015B (M)
- TPH-cc = total petroleum hydrocarbons; carbon chain range characterization C7 to C44, by Modified EPA Method 8015B (M)

The objectives of these supplemental subsurface assessment activities were as follows:

Soil-Gas Survey - To evaluate whether or not the shallow subsurface soils (e.g., depths of approximately 5 feet bgs or less) contain significant concentrations of soil-gas chemical compound(s) that may be indicative of soil impacts at a greater depth beneath the site. Key areas tested by the soil-gas survey included the former gasoline UST location and the New and Old Automotive Garage (two contiguous buildings).

Soil and Groundwater Sampling – To collect and analyze soil samples between approximately 20 to 85 feet bgs at four (4) locations using a high-torque hollow-stem auger rig; and, to evaluate the site for potential groundwater impacts by collecting four (4) grab groundwater samples from the regional aquifer.

Findings And Conclusions

AMEC performed this Additional Phase II Subsurface Assessment in general conformance with Proposal No. 2006-W-0491R2 for the City of Anaheim dated February 16, 2007 and current environmental industry standards for projects of similar scope. Based on the results presented herein, the following findings and conclusions are presented below.

- Native soils beneath the site consist primarily of fine- to coarse-grained sand and some gravel with rare intermittent silts and clayey silts to approximately 90 feet bgs, the maximum depth explored;
- Ten of twenty-five soil-gas samples indicated detections of tetrachloroethylene ranging from 46 $\mu\text{g}/\text{m}^3$ (SG-10/5') to 600 $\mu\text{g}/\text{m}^3$ (SG-19/5'); below the established California Human Health Screening Levels (CHHSLs) of 603 $\mu\text{g}/\text{m}^3$ for commercial land use. Six soil-gas sample detections of tetrachloroethylene were greater than the established CHHSLs reference of 180 $\mu\text{g}/\text{m}^3$ for residential land use;
- Except for one soil sample, the TPH-carbon chain results (C7 – C44) indicate that all the soil samples collected from the hollow-stem auger drilling were below the laboratory reporting limit. Relatively low levels of petroleum hydrocarbons in the diesel-oil range were detected in sample HS-3/85' (27 mg/kg TPH-cc). Additionally, no detectable concentrations of VOCs were reported above the laboratory reporting limit;
- Based on the depth-to-water (DTW) gauging activities performed on 29 and 30 March 2007, the depth to groundwater beneath the site ranges from 83.40 to 87.10 feet bgs. The groundwater regional gradient flows generally towards the south/southwest, although local gradient may vary;
- Laboratory analytical results indicate that diesel related dissolved-phase constituents are present in the groundwater samples collected from all four borings; HS-1 through HS-4. Specifically, TPH-d concentrations ranged from 580 $\mu\text{g}/\text{L}$ to 2,700 $\mu\text{g}/\text{L}$. The highest TPH-d result was detected in the northeast corner of the site which is inferred to be upgradient relative to the regional groundwater flow regime; and
- TPH-g and VOC concentrations did not exceed the laboratory reporting limit in any of the four groundwater samples submitted for analysis.

The preceding summary is intended for introductory and reference use only. A complete reading of this report is recommended.

1 INTRODUCTION

1.1 Background

This report presents the results of the Additional Phase II Subsurface Assessment (Subsurface Assessment) performed by AMEC Earth & Environmental, Inc. (AMEC) on behalf of the City of Anaheim (City) at the subject property located at 3051, 3065 and 3071 East Miraloma Avenue in Anaheim, California (herein referred to as the "site"). Specifically, the Subsurface Assessment included a soil gas survey using direct-push drilling technology and soil/groundwater sampling using a hollow-stem auger rig. The site location is shown on Figure 1.

The scope of services for this project is outlined in AMEC's Proposal No. 2006-W-0491R2 dated February 16, 2007 to Mr. Dick Wilson, Environmental Services Manager, City of Anaheim, Public Utilities Department. The environmental consulting services provided as part of this Subsurface Assessment, as discussed herein, were planned and implemented by AMEC to support the City with decision making during the property transaction process. Therefore, the Subsurface Assessment activities were self-directed with no oversight by an environmental regulatory agency (e.g., Orange County Health Care Agency or California Regional Quality Control Board, Santa Ana Region).

1.2 Summary of Previous Reports

In 2006, two previous Phase I and II Environmental Site Assessments (ESAs) were conducted by AMEC on behalf of the City. The reports are listed as follows:

- *Phase I Environmental Site Assessment, 3051, 3065, and 3071 East Miraloma Avenue, (APN Nos.344-221-03, 344-221-04, 344-221-09), Anaheim, California, completed for the City of Anaheim, Department of Public Works, Development Services Division Boulevard, dated November 20, 2006 by AMEC Earth & Environmental, Inc.; and*
- *Phase II Environmental Site Assessment, 3051, 3065, and 3071 East Miraloma Avenue, (APN Nos.344-221-03, 344-221-04, 344-221-09), Anaheim, California, completed for the City of Anaheim, Department of Public Works, Development Services Division Boulevard, dated November 20, 2006 by AMEC Earth & Environmental, Inc.*

The Subsurface Assessment activities discussed herein were, in part, identified and targeted based on information provided in the above-referenced reports. For reference, key features that may pose a potential environmental concern to the environmental integrity of the site are shown on Figure 2.

Phase I ESA Report

Recognized environmental conditions (RECs) in connection with the site are summarized as follows:

Pertaining to historical RECs

- *A former gasoline fueling station was located in the northeast portion of the site. That area included two 8,000-gallon capacity gasoline USTs and two dispensers. The USTs and appurtenances were removed in 1997 under Anaheim Fire Department (AFD) oversight, and a No Further Action letter was issued. However, the results of AMEC's Phase I ESA suggested that gasoline impacts to soils around the tank cavity may be present.*
- *Previous land use of the site and surrounding properties included orange groves between the 1930s and 1960s. This past use may have resulted in pesticide impacts to surface and near-surface soils at the site.*

Pertaining to known or suspected RECs

- *The presence of a reported 500-gallon capacity UST that formerly contained waste oil in the vicinity of the Old Automotive Garage. According to the key site manager, the UST was pumped out and filled with concrete slurry by an independent contractor to facilitate in-place decommissioning activities (completed during the mid-1980s). No further documentation on the decommissioning activities was found during this subsurface assessment.*
- *The presence of an active 500-gallon capacity UST containing waste food grease. At the time of the site reconnaissance, catering truck personnel were observed to drain grease and other solid material into the port of this UST, which is exposed at the ground surface near the northeast corner of the truck wash structure. Because the UST port is exposed at the surface (uncovered), there is a potential for other chemical constituents to enter the UST.*
- *The presence of nine (9) hydraulic hoists inside the automotive garages (see Figure 2, New and Old Automotive Garage). The in-ground piston-type hydraulic hoists currently allow oil products to accumulate within the limits of the concrete-lined base. In some cases, the hoist equipment appeared to be in contact with bare soil.*
- *The presence of four (4) grated metal inserts (approximately 8-inches in diameter) located in the concrete slab in the Old Automotive Garage. These round features in the concrete slab may have been used historically as floor drains. The apparent drains were observed to contain pooled liquids and sediment accumulations.*
- *The presence of multiple leaking petroleum product storage containers on the concrete slab floor within the limits of the New and Old Automotive Garage. According to the key site manager, the containers (e.g. steel drums) are used to store waste chemical products (e.g., antifreeze), filters and waste oil.*



- *The presence of an oil stain greater than 2 feet in diameter on cracked concrete pavement (east-central portion of the site).*
- *The presence of four subsurface clarifiers. According to the key site manager, the clarifiers filter solids and grease particulates from the wash water generated on the site (Figure 2 – truck wash). The paved area was observed to include oil stains, and various chemical products used for truck washing and cleaning. During wash-down activities, chemical constituents have potential to impact the subsurface soils proximal to the clarifiers and related piping systems on the site (e.g., potential for cracks in these subsurface structures).*
- *The presence of an oil stain greater than 4 feet in diameter on a linear strip of bare soil proximal to the northeast corner of the site. The stain was observed beneath a tractor parked in the equipment storage area. This linear strip of exposed soil is surrounded by concrete pavement sloped such that surface runoff water is directed towards the bare soil (i.e., infiltration of potential chemical and/or petroleum products into the subsurface soils during a storm event).*
- *A truck maintenance shop and storage yard for Gaio Trucking is located in the northwest portion of the site. Truck repairs are typically performed proximal to a concrete slab near an equipment and petroleum product storage locker. A black petroleum product stain, approximately 4 feet in diameter, was observed on the bare ground adjacent to the concrete pad where truck repairs are conducted.*

Phase II ESA Report

Previous subsurface assessment activities performed as part of the 2006 Phase II ESA are summarized in Table 1:

Table 1 - Summary of Previous Subsurface Activities

Target	Boreholes
Abandoned in-place waste oil UST (500-gallon capacity)	3 soil borings (near the north, west, and southern limits of the reinforced concrete patch that covers the UST)
Former gasoline USTs & dispensers	4 soil borings (outside the limits of the former tank cavity)
Old Automotive Garage (4 dual hoists, 4 floor drains & two hydraulic oil tanks)	4 soil borings (inside the limits of the Old Automotive Garage)
	2 soil borings (outside the limits of the Old Automotive Garage)
New Automotive Garage (5 dual hoists and two hydraulic oil tanks)	11 soil borings (5 dual hoists below the concrete slab floor)
Two, 2-stage oil/water separators	3 soil borings
Two, 3-stage oil/water separators	4 soil borings



Table 1 - Summary of Previous Subsurface Activities

Target	Boreholes
Stained soil (equipment storage area)	2 soil borings
Stained bare ground near the concrete pad (Gaio Trucking repair shop)	2 soil borings
Grease Trap (500-gallon UST)	1 soil boring
Truck Wash (4 bays)	1 soil boring
Wilson Demolition - debris storage area	1 soil boring
Leaking drums / battery storage area	1 soil boring
Stain (cracked concrete, parking lot)	1 soil boring
Truck wash area (bare ground)	2 soil borings
Total	42 soil borings

The above-referenced borings were advanced using direct-push drilling methods to a maximum depth of approximately 40 feet below ground surface (bgs). Soil samples were collected at approximate 5-foot intervals. Selected samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), Title 22 Metals (17 metals analyzed) and total petroleum hydrocarbons with carbon chain distinction (TPH-cc), characterization range from C7 to C44. Key findings are summarized as follows:

- *The results of the subsurface soil sampling and analysis program indicate soil impacts of diesel-oil petroleum hydrocarbons greater than the generally accepted threshold value of 1,000 mg/kg TPH-cc (i.e., for diesel-oil range compounds). Specifically, two areas were defined within the limits of the New Automotive Garage where soil remediation may be required. Soil boring B-27, located within limits of the New Automotive Garage, indicated increasing concentrations of TPH to the maximum depth drilled (24 feet bgs). The TPH-cc laboratory results are: B27-10' (8,630 mg/kg), B27-15' (3,260 mg/kg), B27-20' (14,700 mg/kg) and B27-24' (21,000 mg/kg). Based on the point source evidence of impacted soil for soil borings B-27, B-35 and B-5, it was conservatively estimated that TPH-impacted soil occurs in two areas (includes three of the five dual hydraulic hoists located within the limits of the New Automotive Garage):*
 - *Area #1 – 416 cubic yards or 618 tons; and*
 - *Area #2 – 150 cubic yards or 220 tons.*
- *The results of the soil sampling and analysis program do not indicate soil impacts by SVOCs, with the exception of one constituent, benzo(a)pyrene in one sample (B-32/5'), where it's concentration exceeded the U.S. Environmental Protection Agency (EPA) Preliminary Remediation Goal (PRG) value. This compound is commonly found in*

association with diesel and heavy oils. Because benzo(a)pyrene was detected in a sample where TPH-cc also exceeded its applicable threshold, it is AMEC's opinion that the impact by benzo(a)pyrene is likely associated with the TPH-cc detected in this sample.

- *The results of the soil sampling and analysis program do not indicate the presence of soil impacts by metals concentrations above published background concentrations.*
- *Relatively low levels of VOCs were detected in several soil samples submitted for analysis including tetrachloroethylene, xylenes, toluene, and ethylbenzene.*
- *The detected concentrations for the above-referenced VOCs are at least two orders of magnitude lower than EPA Region 9 PRG values for industrial and residential sites.*
- *Groundwater was not encountered above 40 feet bgs (maximum depth explored by drilling). Because the highest concentration of TPH-cc was detected in a sample collected at 24 feet bgs, and the depth of impacted soil for Area #1 is unknown, the possibility of TPH-cc impacts to groundwater beneath the site cannot be ruled out.*

1.3 Objectives

The objectives of the Subsurface Assessment activities are described as follows:

Soil-Gas Survey

- To evaluate whether or not the shallow subsurface soils (e.g., depths of approximately 5 feet bgs or less) contain significant concentrations of soil-gas chemical compound(s) that may be indicative of soil impacts at a greater depth beneath the site. Key areas to be tested by the soil-gas survey include the former gasoline USTs and the New and Old Automotive Garage (two contiguous buildings).

Soil and Groundwater Sampling

- To collect discrete soil samples at depth intervals of approximately 20 to 85 feet bgs at four (4) locations using a high-torque hollow-stem auger rig; and
- To evaluate the site for potential groundwater impacts by collecting four (4) grab groundwater samples from the regional aquifer using bailer-sampling methods.

1.4 General Site Information

The site is comprised of three parcels and a narrow strip of land located along East Miraloma Avenue (Figures 1 & 2). The current land use is mobile food catering for a fleet of

approximately 75 to 100 trucks (hot and cold food) and light-duty automotive repairs as operated by Orange County Food Service (OCFS). Other site information as follows:

Current Owner: Karagines Family Trust

Assessor's Parcel Nos.: APN 344-221-03, 344-221-04, and 344-221-09

Gross Area: Approximately 9.3 acres

Current Structures: Multiple including a main food manufacturing/warehouse building, truck maintenance garage (9 services bays), truck wash (5 bays), two ice manufacturing structures, a paint shed, and three houses.

Uses: OCFS operations include food manufacturing (kitchen and bakery), catering truck repair, washing and parking, food storage, and vending services. Other businesses operating include Wilson Hauling (demolition debris storage), and two trucking companies, Gaio Trucking (Gaio) and Nieto & Sons Trucking (Nieto). The truck operations by Gaio and Nieto include light-duty vehicle maintenance, truck washing and tractor/trailer storage.

1.5 Scope of Services

The scope of services are summarized as follows:

- Coordination of pre-field activities with interested parties, including procurement of sub-consulting (e.g., driller, utility locator and laboratory);
- The site-specific Health and Safety Plan (HSP) was updated, as appropriate;
- Proposed borehole locations were marked by AMEC personnel and Underground Service Alert was notified approximately 48 hours prior to drilling to identify any underground utilities (Ticket No. A70870674). Additionally, a private utility locator was used to sweep each proposed borehole location;
- An Application for Well Construction Permit was prepared for the soil borings advanced to groundwater and submitted to the City of Anaheim Public Utilities Department on 8 March 2007;
- For the soil-gas survey, subsurface exploration included boring advancement and soil-gas sampling of twenty (20) borings to a maximum depth of 5 feet bgs using direct-push (Geoprobe) drilling technology;

- For hollow-stem auger drilling, subsurface exploration included boring advancement, soil and groundwater sampling, and logging of four (4) borings to a maximum depth of 90 feet bgs;
- For laboratory analytical testing, a mobile laboratory was used for the soil-gas samples collected and a fixed lab was used for soil and groundwater samples collected; and
- Preparation of a report that documents the field and laboratory analytical results and summarizes the findings.

2 PRE-FIELD ACTIVITIES

2.1 Site Safety

As required by California State law, an HSP was developed prior to conducting field work at the site. The HSP was developed in accordance with OSHA hazardous waste site operations (29 CFR 1910.120), and covered AMEC employees and subcontractors while working on the project. AMEC field personnel and subcontractors were required to read, sign, and comply with the HSP. The HSP was designed to identify potential physical and chemical hazards associated with the above-referenced scope of services. The HSP also included emergency response information, hospital route maps, and emergency contact numbers (intended to protect on-site workers and the public).

An attempt was made prior to conducting subsurface activities to locate underground utilities and USTs. Underground Service Alert was contacted 48 hours prior to starting work, as required by California State law. In addition, a private utility locator, EPL, Inc. (Garden Grove, CA), was subcontracted to perform geophysical services.

2.2 Permits

A well permit was obtained by AMEC for the soil boring, advanced to groundwater from the City of Anaheim Public Utilities Department Environmental Services Division. A copy of Well Permit #1116, as signed and dated 15 March 2007 by Ms. Suzanne Wilson (714.765.4112), is provided in Appendix B.

3 FIELD ACTIVITIES

Fieldwork for the Subsurface Assessment activities were conducted by AMEC during two mobilizations:

- Direct-push drilling on 22 March 2007 for the soil-gas survey; and



- Hollow-stem auger drilling on 29 and 30 March 2007 for the soil and groundwater sampling activities.

The locations of each direct-push boring where soil-gas samples were collected, and the locations of each hollow-stem auger boring where soil and groundwater samples were collected are shown on Figure 3. Site photographs are provided in Appendix A. Sampling techniques and quality assurance/quality control procedures are summarized in Appendix C. Lithologic descriptions and soil boring logs for the hollow-stem auger drilling are provided in Appendix D. The laboratory analytical results for the soil-gas survey, and the soil and groundwater samples, are provided in Appendices E, F and G, respectively.

3.1 Soil Gas Survey

AMEC supervised the advancement and sampling of twenty (20) borings for the soil-gas survey (SG-1 through SG-20). Drilling services for the soil-gas survey were provided by Kehoe Environmental Engineering (Kehoe) of Huntington Beach, California. The mobile analytical laboratory services were provided by Jones Environmental, Inc. Testing Laboratories (Jones) of Fullerton, California.

3.1.1 Soil-Gas Sampling Program

The soil-gas sampling probes were advanced using a truck-mounted direct-push rig (Geoprobe 5410 rig). The soil-gas sampling probes were generally installed at a depth of approximately 5 feet bgs. The soil-gas survey was performed in accordance with the joint Department of Toxic Substances Control (DTSC)/Los Angeles Regional Water Quality Control Board (LARWQCB) "Advisory – Active Soil Gas Investigations" Guidance (Guidance Document) dated January 28, 2003. Information on the sample ID's, borehole locations, sample collection depths, and analytical methods used for the soil-gas sampling program are summarized as follows (Table 2):

Table 2 - Summary of the Soil-Gas Survey

Borehole ID	Sample ID	Sample Depth feet, bgs	Laboratory Analyses	General Location
SG-1	SG-1@5'-1P	5	VOCs, GRO	Old Automotive Garage – service bays at south portion of the garage
	SG-1@5'-3P	5	VOCs, GRO	
	SG-1@5'-7P	5	VOCs, GRO	
SG-2	SG-2@5'	5	VOCs, GRO	Old Automotive Garage – southern end of the garage
SG-3	SG-3@5'	5	VOCs, GRO	UST: waste oil (abandoned in-place)
SG-4	SG-4@5'	5	VOCs, GRO	New Automotive Garage

Table 2 - Summary of the Soil-Gas Survey

Borehole ID	Sample ID	Sample Depth feet, bgs	*Laboratory Analyses	General Location
SG-5	SG-5@5'-1P	5	VOCs, GRO	New Automotive Garage
	SG-5@5'-3P	5	VOCs, GRO	
	SG-5@5'-7P	5	VOCs, GRO	
SG-6	SG-6@5'	5	VOCs, GRO	New Automotive Garage
	SG-6@5'DUP	5	VOCs, GRO	
SG-7	SG-7@5'	5	VOCs, GRO	New Automotive Garage
SG-8	SG-8@5'	5	VOCs, GRO	New Automotive Garage
SG-9	SG-9@5'	5	VOCs, GRO	New Automotive Garage
SG-10	SG-10@5'	5	VOCs, GRO	New Automotive Garage
SG-11	SG-11@5'	5	VOCs, GRO	New Automotive Garage
SG-12	SG-12@5'	5	VOCs, GRO	New Automotive Garage
SG-13	SG-13@5'	5	VOCs, GRO	New Automotive Garage
SG-14	SG-14@5'	5	VOCs, GRO	New Automotive Garage
SG-15	SG-15@5'	5	VOCs, GRO	Former gasoline USTs
SG-16	SG-16@5'	5	VOCs, GRO	Paint Storage Shed
SG-17	SG-17@5'	5	VOCs, GRO	Bare Ground (Shed Area)
SG-18	SG-18@5'	5	VOCs, GRO	New Automotive Garage
SG-19	SG-19@5'	5	VOCs, GRO	Open Yard - Residential
SG-20	SG-20@5'	5	VOCs, GRO	Concrete Pad – Gaio Trucking Yard

Notes: Sample numbers include the borehole number followed by the depth (feet bgs) of sample collection (e.g., SG-1-5' indicates a soil-gas sample collected from boring SG-1 at 5 feet bgs).

bgs - below ground surface

VOCs - volatile organic compounds

GRO – gasoline-range organics

***Method 8260B** - Soil gas samples analyzed in the field using federal EPA Method 8260B using a gas chromatograph/mass spectrometer GC/MS for 64 target compounds (VOCs) as specified in the DTSC/LARWQCB Guidance Document.

3.1.2 Methodology

For this survey, once a probe was installed to an approximate depth of 5 feet bgs, the 1.5-inch diameter hollow probe drive-rods were withdrawn, leaving a steel probe point and ¼-inch Nylaflow™ sampling tube in the subsurface soils. The lower 2-inches of the tubing installed was slotted. The end of the tubing at the surface was plugged with a sheet metal screw.

Approximately 6 inches of clean, graded (#3), kiln-dried RMC Lonestar sand was poured around the slotted section of Nylaflow™ sample tubing to allow for diffusion of soil vapors (Appendix C).

Sample Collection Setup

The soil-gas sampling system is constructed of stainless steel, glass, Nylaflow™ and Teflon™ components. Instrumentation associated with the sampling system includes a calibrated flow meter and a vacuum gauge. Vacuum integrity of the sampling system was tested prior to, and after the soil gas survey using leak-down testing methods. A duplicate sample was collected and analyzed at SG-6@5' (labeled as SG-6@5' DUP).

Purge Volume Test

A purge test determines the volumes of the soil-gas required to be purged throughout the project. Purging and sample volume calibrations were initially performed for samples SG-1@5' and SG-5@5' to evaluate the appropriate volume of gas to be purged from each probe prior to sampling. One, three and seven tube volumes were purged and analyzed to make this determination. No VOCs were detected in SG-1@5' in the three purge volumes. Tetrachloroethylene (PCE) detected in SG-5@5' was highest at 3-purge volumes, therefore three-well volumes (230 milliliters) were purged for subsequent sampling points.

Leak Test

Leak testing was conducted using a tracer gas, n-Propanol, as a leak check compound at all probe locations. The clean towel was dampened with n-Propanol and placed around the probe tubing at the ground surface. This tracer gas was included in the analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. The detection limit for n-Propanol is 1.0 micrograms per liter (µg/L).

Soil-Gas Sampling

After probe purging and leak testing, soil gas samples were withdrawn from the sample flow stream using a glass syringe fitted with a disposable needle and Mininert™ gas-tight valve. Immediately following collection, the samples were introduced into the purge and trap system for automated processing. Soil-gas samples were analyzed in the field by U.S. Environmental Protection Agency (EPA) Method 8260B using a gas chromatograph/mass spectrometer GC/MS for sixty-four (64) target compounds (VOCs). A series of quality assurance/quality control (QA/QC) analyses were performed prior to, during, and following the analysis of the soil-gas samples (Appendix C). One blank and one duplicate (SG-6@5') were collected and analyzed as part of QA/QC in accordance with the DTSC/LARWQCB regulations.

3.1.3 Laboratory Analysis

Mobile analytical services were used for the soil-gas samples during the field investigation to allow for expedited analytical result. Use of the mobile laboratory also enabled AMEC to make appropriate changes to the field program based on real-time results.

Per Table 2, twenty-five (25) soil-gas probe samples from the 20 sampling locations were analyzed for VOCs and GRO using EPA Method 8260B including duplicate and purge test samples. The samples were submitted under standard chain-of-custody (COC) procedures.

3.1.4 Borehole Abandonment

After collecting the soil-gas samples, the Nylaflo™ tubing was plugged with a sheet metal screw, folded over, and pushed down-hole until slightly below grade. Approximately 6-inches of granular bentonite was added above the sand pack and hydrated with tap water. The remaining borehole annulus was filled with cement mortar/bentonite grout to slightly below grade. A surface patch of asphalt and/or concrete was applied, to match the surrounding paved surface, as appropriate.

3.1.5 Decontamination Procedures

Soil-gas sampling syringes and applicable fittings were decontaminated by placing the equipment in the gas chromatograph oven and heating at a temperature ranging from 100 to 120 degrees centigrade (°C) for a minimum of 5 minutes. The syringe was allowed to cool to ambient temperature before use on the next sampling location (Appendix C).

3.1.6 Investigative Derived Waste

Since no soil sampling was conducted during the soil-gas survey, no excess soil cuttings were generated during the drilling activities associated with the soil-gas survey.

3.2 Soil / Groundwater Sampling

On 30 and 31 March 2007, an AMEC geologist supervised drilling and sampling of four hollow-stem auger soil borings (HS-1 through HS-4) by BC2 Environmental Drilling Corporation of Fullerton, CA. Fixed laboratory analysis for the soil and groundwater samples submitted was provided Calcience Environmental Laboratories, Inc. (Calscience) in Garden Grove, CA

3.2.1 Soil / Groundwater Sampling Program

Information on the sample ID's, borehole locations, sample collection depths, and analytical methods used for this program are summarized in Table 3.



Table 3 - Summary of Hollow-Stem Auger Drilling Program

Borehole ID	Sample Number	Sample Depth feet, bgs	Laboratory Analyses		Location
			Soil	Groundwater	
HS-1	HS-1/40'	40	None		Northeast corner of the site, near former gasoline USTs.
	HS-1/45'	45	None		
	HS-1/50'	50	None		
	HS-1/55'	55	None		
	HS-1/60'	60	None		
	HS-1/65'	65	None		
	HS-1/70'	70	None		
	HS-1/75'	75	VOCs, TPH-cc		
	HS-1/80'	80	VOCs, TPH-cc		
	HS-1	*83.40	None	VOCs, TPH-g, TPH-d	
HS-2	HS-2/20'	20	VOCs, TPH-cc		North-central portion of the site, just south of the New Automotive Garage.
	HS-2/25'	25	VOCs, TPH-cc		
	HS-2/30'	30	VOCs, TPH-cc		
	HS-2/35'	35	VOCs, TPH-cc		
	HS-2/40'	40	VOCs, TPH-cc		
	HS-2/45'	45	VOCs, TPH-cc		
	HS-2/50'	50	VOCs, TPH-cc		
	HS-2/55'	55	VOCs, TPH-cc		
	HS-2/60'	60	VOCs, TPH-cc		
	HS-1265'	65	VOCs, TPH-cc		
	HS-2/70'	70	VOCs, TPH-cc		
	HS-2/75'	75	VOCs, TPH-cc		
	HS-2/80'	80	VOCs, TPH-cc		
	HS-2/65'	85	VOCs, TPH-cc		
HS-2	*84.30	None	VOCs, TPH-g, TPH-d, hardness, pH, TDS, SC and alkalinity		



Table 3 - Summary of Hollow-Stem Auger Drilling Program

Borehole ID	Sample Number	Sample Depth feet, bgs	Laboratory Analyses		Location
			Soil	Groundwater	
HS-3	HS-3/40'	40	None		West-central portion of the site (open parking lot).
	HS-3/45'	45	None		
	HS-3/50'	50	None		
	HS-3/55'	55	None		
	HS-3/60'	60	None		
	HS-3/65'	65	None		
	HS-3/70'	70	None		
	HS-3/75'	75	VOCs, TPH-cc		
	HS-3/80'	80	VOCs, TPH-cc		
	HS-3/85'	85	VOCs, TPH-cc		
	HS-3	*87.10	None	VOCs, TPH-g, TPH-d, hardness, pH, TDS, SC and alkalinity	
HS-4	HS-4/40'	40	None		Southwest corner of the site, open yard area adjacent to a house.
	HS-4/45'	45	None		
	HS-4/50'	50	None		
	HS-4/55'	55	None		
	HS-4/60'	60	None		
	HS-4/65'	65	None		
	HS-4/70'	70	None		
	HS-4/75'	75	None		
	HS-4/80'	80	VOCs, TPH-cc		
	HS-4/85'	85	VOCs, TPH-cc		
	HS-4/85' Dup	85	VOCs, TPH-cc		
	HS-4	*85.95	None	VOCs, TPH-g, TPH-d	

Notes: Sample numbers include the borehole number followed by the depth (feet bgs) of sample collection (e.g., HS-1/80 indicates a soil sample from boring HS-1 at 80 feet bgs)

None: indicates that sample was not submitted for laboratory analysis

* indicates approximate depth to groundwater where a "grab" sample was collected (measured with a water level meter)

bgs - below ground surface

VOCs - volatile organic compounds by EPA method 8260B

TPH-g - total petroleum hydrocarbons as gasoline by EPA Method 8015B (M)

TPH-d - total petroleum hydrocarbons as diesel by EPA Method 8015B (M)

SC - specific conductance by EPA Method 120-1

TDS - total dissolved solids by EPA Method 160-1

Alkalinity - total (as CaCO₃) by EPA Method SM 2320B

TPH-cc - by EPA Method 8015B (M)

3.2.2 Methodology – Soil Samples

Soil borings HS-1 through HS-4 were drilled using a CME-95 truck-mounted drilling rig equipped with a 6-inch diameter steel auger resulting in an approximate 8-inch diameter soil boring. All four borings were drilled to a depth of approximately 90 feet bgs. During drilling, each boring was logged according to the Unified Soil Classification System (USCS) and representative soil samples were screened for VOCs using a photoionization detector (PID). The PID readings are shown on the borehole logs (Appendix D).

Soil samples were collected at approximately 5-foot intervals using a California 2½-inch-diameter, steel, split- spoon sampler. The soil samples were collected from the split-spoon sampler using three 6-inch-long stainless steel sleeves. Upon retrieval of the sleeves, the ends of the bottom-most, or most intact, soil sample was securely sealed with Teflon™ sheeting and polyurethane caps. The sample was subsequently labeled and then placed into an ice chest for transport to a California-certified laboratory.

3.2.3 Methodology – Groundwater Samples

Groundwater samples were collected from each of the four borings in general accordance with industry protocols and California groundwater sampling guidelines (i.e., county agencies). Groundwater sampling using hydropunch equipment was not utilized in the field by AMEC due to severe rocky conditions at depth, having potential to bend and/or damage the steel probe sampling tool and to minimize potential impacts to groundwater (e.g., likely very difficult to advance the steel- encased sampling tool more than a few inches and the steel tip would remain downhole).

Following the collection of soil samples, 2.5-inch diameter Schedule 40, flush threaded, polyvinyl chloride (PVC) casing was temporarily installed through the hollow-stem augers for groundwater sampling. The casing was constructed with 80 feet of blank casing and 5 feet of 0.020-inch slotted casing. The 5-foot length of slotted casing was also fitted with a cloth sock (white cotton cloth cut from a large roll) to filter coarse particulates. In all cases, the approximate depth to groundwater was measured with a Solinst water level meter. The depth-to-groundwater measurements for each boring were taken within approximately 15 minutes after the groundwater table was intersected by the auger.

Groundwater was allowed to settle approximately 10 to 20 minutes once the temporary well casing was installed. Samples were collected using new disposable bailers, transferred into laboratory-provided containers, then placed into an ice chest for transport to a California certified laboratory.

3.2.4 Laboratory Analysis

Soil and groundwater samples collected from the hollow-stem auger drilling were transported to Calscience under standard COC procedures. The analytical program is summarized in Table 4.



Table 4 – Laboratory Analytical Program – Soil and Groundwater

Analyte	Soil Samples	EPA Methodology
VOCs	22	Method 5030B / 8260B
TPH-cc (extended range hydrocarbons); carbon-chain C7 to C44	22	Method 3550B / 8015B (M)
Analyte	Groundwater Samples	EPA Methodology
VOCs	5	Method 5030B / 8260B
TPH as gasoline (TPH-g)	5	Method 3510C / 8015B (M)
TPH as diesel (TPH-d)	5	Method 3510C / 8015B (M)
Specific Conductance (SC)	2	Method 120.1
Total Hardness	2	Method 130.2
pH	2	Method 150.1
Total Dissolved Solids (TDS)	2	Method 160.1
Total Alkalinity (as CaCO3)	2	Method SM 2320B

NOTES:

- VOCs** - volatile organic compounds
- TPH-g** - total petroleum hydrocarbons as gasoline
- TPH-d** - total petroleum hydrocarbons as diesel
- SC** - specific conductance
- TDS** - total dissolved solids
- Alkalinity** - total (as CaCO3)
- TPH-cc** – total petroleum hydrocarbons – carbon chain range

For QA/QC purposes, one duplicate soil sample (HS-4/85'Dup) and one duplicate groundwater sample (HS-2 Dup) were collected.

3.2.5 Borehole Abandonment

After sample collection, each borehole was filled with a relatively high-solids bentonite grout slurry to a depth of approximately 5 feet bgs and the remaining annular space was sealed to within approximately 6 inches of surface with hydrated granular bentonite. A surface patch of asphalt and/or concrete was applied, to match the surrounding paved surface.

3.2.6 Decontamination Procedures

The steel auger was steam cleaned and rinsed between each borehole using a pressurized spray nozzle on a decontamination trailer.

3.2.7 Investigative Derived Waste

Soil cuttings generated during the drilling activities were placed in nine, 55-gallon capacity steel drums and stored onsite. Rinsate water from decontamination procedures was placed in one, 55-gallon capacity drum and stored onsite pending analytical results.

City of Anaheim
Additional Phase II Subsurface Assessment
3051, 3065 And 3071 East Miraloma Avenue
Anaheim, California 92806



4 RESULTS AND DISCUSSION

4.1 Lithology/Geology

The native soils beneath the site consist of Quaternary-age alluvial deposits consisting of loose to moderately dense, unconsolidated sand, sandy silt, and silt of the Santa Ana River flood plain (AMEC, 2006).

An evaluation of the soil samples collected during drilling indicates that the site is underlain by approximately three to five feet of fill consisting of brown silty sand. Native soil underlies the fill to a depth of 90 feet bgs (maximum depth explored). In general, the native soils beneath the site are described as brown to tan-brown, fine- to coarse-grained sand with a few relatively thin intermixed layers of brown sandy silt and sandy clay. Fine to coarse gravel, with some gravelly sand intermixed, was logged for the 75- to 90-foot depth interval in each of the borings (Appendix D).

4.2 Groundwater

For reference, AMEC reviewed the "November 2005 Groundwater Elevation Contours in the Principal Aquifer Zones, Northeast Quadrant of the Orange County Water District (OCWD)" which provides coverage for the Site and vicinity on the following website: (http://www.ocwd.com/assets/maps/gwcontour_nov05/wl05_basin_quad_ne_060106.pdf).

Based on an extrapolation of the groundwater elevation contours for the regional aquifer proximal to the site, the depth to groundwater beneath the site was estimated at approximately 98 feet bgs. Based on the orientation of the regional groundwater contour lines on the map, the regional groundwater flow direction beneath the site is estimated to be southwest, although the local groundwater gradient may vary.

The site is located above the shallow Talbert Water Bearing Zone, which is considered a shallower aquifer above the "principal" aquifer system as monitored by the OCWD. With the exception of some larger-scale municipal wells in the City of Anaheim, most of the water produced from the shallow aquifers is used for industrial and agricultural purposes. Specifically, the groundwater beneath the site is a recognized unconfined aquifer with existing beneficial uses for municipal, industrial, processing, agricultural and domestic use purposes.

Prior to sampling, each borehole that intersected groundwater was gauged using an electronic sounder instrument and water measurements were recorded to the nearest 0.01 foot. Site-specific depth-to-water (DTW) information to the regional aquifer is provided on Table 5. The DTW measurements ranged from 83.40 feet bgs (sample HS-1) at the northeast corner of the site to 87.10 feet bgs (sample HS-3) towards the west-southwest corner of the site.

4.3 Soil-Gas Survey Results

The soil-gas samples were analyzed for VOCs and GRO by a mobile laboratory and compared to California Human Health Screening Levels (CHHSLs) for Soil Gas in Shallow Soils

(residential and commercial land use scenarios with results expressed in micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]). For reference, laboratory results from the mobile laboratory are reported in $\mu\text{g}/\text{l}$ and converted to $\mu\text{g}/\text{m}^3$ by multiplying by 1000. The soil-gas results that exceeded the laboratory detection limit for a particular analyte are summarized on Table 6.

4.3.1 VOCs

Of the 25 samples analyzed, ten samples indicated detectable concentrations of tetrachlorethylene at or above the practical quantitation limit of $0.020 \mu\text{g}/\text{L}$. The maximum tetrachlorethylene result was $0.600 \mu\text{g}/\text{L}$ (sample SG-19/5'). Refer to Section 5.0 for further discussion of the results and comparison to screening values

4.3.2 GRO

Of the 25 samples analyzed, two samples indicated detectable concentrations of GRO at or above the practical quantitation limit of $0.20 \mu\text{g}/\text{L}$. The maximum GRO result was $0.26.1 \mu\text{g}/\text{L}$ (sample SG-19/5'). Refer to Section 5.0 for further discussion of the results and comparison to screening values.

4.3 Hollow Stem Auger Drilling - Soil Sample Results

Representative samples of the vadose zone (i.e., unsaturated soil conditions) were submitted for TPH-cc and VOC analysis based on local structural features that may pose an environmental concern to the site (e.g., automotive shop, former gasoline USTs) or PID readings. As a check for potential contaminants of concern in the damp to moist soils immediately above the regional aquifer, representative soil samples were submitted for analysis. In general, samples collected proximal to the groundwater interface may contain impacted soils due to historical fluctuations in groundwater table. Specifically, the samples submitted for laboratory analysis that are representative of the unsaturated transitional soil interval immediately above the groundwater table include HS-1/75' and HS-1/80'; HS-2/80' and HS-2/85'; HS-3/80 and HS-3/85'; HS-4/80' and HS-4/85'.

For reference, TPH is an estimate of petroleum hydrocarbons that have carbon-chain lengths of approximately seven (C7) to forty-four (C44). For reference, the general carbon-chain breakdown is listed as follows:

- Carbon-chain length C7 to C13 represents the gasoline petroleum product range;
- Carbon-chain length C13 to C22 represents the diesel fuel range; and
- Carbon-chain length C22 to C44 represents the oil petroleum product range.

In general, the C7 to C14 range compounds represent a mixture of light molecular weight (i.e., volatile organic compounds) analogous to gasoline and kerosene, and the C14-plus compounds represent a mixture of high molecular weight (i.e., non-volatile organic compounds) petroleum hydrocarbons analogous to diesel fuel and oil.

4.4.1 TPH-cc

Of the 22 samples submitted for laboratory analysis, one sample indicated detectable concentrations of TPH-cc at or above the applicable method laboratory reporting limit of 5 milligrams per kilogram (mg/kg). Specifically, sample HS-3/85' indicated concentrations of 27 mg/kg TPH-cc. Note that this soil sample is representative of the vadose zone immediately above the groundwater table. Detectable results greater than 1 mg/kg were reported in sample HS-85' for carbon chains in the range of C19 to C36, with the highest concentrations reported for C19 to C22 range. The carbon chain profile for this sample is indicative of diesel fuel.

4.4.2 VOCs

None of the soil samples submitted for laboratory analysis indicated detectable concentrations of VOCs.

4.4 Hollow-Stem Auger Drilling – Groundwater Sample Results

Following soil sample collection, a temporary groundwater monitoring well was installed in each of the four hollow-stem auger borings to collect a representative grab groundwater sample with a bailer (Section 3.2.3). The layout of the groundwater sampling program was designed to collect samples roughly coincident with the regional groundwater gradient (per Section 4.2 - from northeast to southwest). Groundwater results that exceeded the laboratory reporting limit for a specified analyte are provided on Table 7.

4.4.1 TPH-g and TPH-d

For TPH-g, the analytical results for the groundwater samples collected from HS-1 through HS-4 indicate non-detectable concentrations for the laboratory reporting limit (<100 µg/L for TPH-g).

Dissolved-phase concentrations of TPH-d were detected in groundwater samples collected from each of the borings. Specifically, the laboratory analytical results indicate the following TPH-d concentrations:

- HS-1 (2,700 µg/L);
- HS-2 (1,400 µg/L);
- HS-3 (1,500 µg/L); and
- HS-4 (580 µg/L).

Field indications of groundwater contamination (i.e., slight petroleum hydrocarbon odors, PID instrument readings) were observed in the groundwater sample collected from boring HS-1 and the soil sample collected just above the groundwater table (HS-1/80').

In general, the initial cleanup goals for an industrial property are to reduce groundwater contaminants to below the State Maximum Contaminant Levels (MCL) for drinking water and to

reduce soil contamination so the residual adsorbed-phase contaminants do not mobilize to the dissolved phase and potentially further impact a drinking water aquifer. The industry-accepted groundwater cleanup level for TPH-d, in part based on the current State MCLs for a drinking water aquifer, is referenced as 100 µg/L. In all cases, the TPH-d concentrations for samples HS-1 through HS-4 exceeded the above-referenced cleanup level where remedial activities may be required.

4.4.2 VOCS

No dissolved-phase VOCs were detected in the groundwater samples collected from borings HS-1 through HS-4.

4.4.3 Water Quality Parameters

Per Table 4, groundwater samples collected from HS-2 and HS-3 were analyzed for five water quality parameters including pH, SC, total hardness, TDS and total alkalinity. The laboratory results are shown on Table 7.

The Safe Drinking Water Act (SDWA) requires the federal EPA to establish maximum contaminant levels (MCLs) to be protective of the public health (primary MCL) and for aesthetic quality (secondary MCLs). According to the California Department of Health Services (CDHS), the secondary MCL provided in Section 64449 of 22 CCR (Article 16 Secondary Drinking Water Standards), shall not be exceeded for water supplied to the public by community water systems. For comparative purposes, the water quality results from the groundwater samples collected beneath the site were compared to these standards, as shown on Table 7. None of the laboratory results exceeded the specified secondary MCLs, where available.

5 FINDINGS AND CONCLUSIONS

AMEC performed this Subsurface Assessment in general conformance with Proposal No. 2006-W-0491R2 to the City of Anaheim dated February 16, 2007 and current environmental industry standards for projects of similar scope. Based on the results presented herein, the following findings and conclusions are presented below.

- Native soils beneath the site consist primarily of fine- to coarse-grained sand and some gravel with rare intermittent silts and clayey silts to approximately 90 feet bgs, the maximum depth explored;
- Ten of twenty-five soil-gas samples indicated detections of tetrachloroethylene ranging from 46 µg/m³ (SG-10/5') to 600 µg/m³ (SG-19/5'); below the established CHHSLs of 603 µg/m³ for commercial land use. Six soil-gas samples detections of tetrachloroethylene were greater than the established CHHSLs reference of 180µg/m³ for residential land use;
- Except for one soil sample, the TPH-cc results (C7 – C44) indicate that all the soil samples collected from the hollow-stem auger drilling were below the laboratory reporting limit.

Relatively low levels of petroleum hydrocarbons in the diesel-oil range were detected in sample HS-3/85' (27 mg/kg TPH-cc). Additionally, no detectable concentrations of VOCs were reported above the laboratory reporting limit;

- Based on the depth-to-water (DTW) gauging activities performed on 29 and 30 March 2007, the depth to groundwater beneath the site ranges from 83.40 to 87.10 feet bgs. The groundwater regional gradient flows generally towards the south/southwest, although local gradient may vary;
- Laboratory analytical results indicate that diesel related dissolved-phase constituents are present in the groundwater samples collected from all four borings; HS-1 through HS-4. Specifically, TPH-d concentrations ranged from 580 µg/L to 2,700 µg/L. The highest TPH-d result was detected in the northeast corner of the site which is inferred to be upgradient relative to the regional groundwater flow regime reference; and
- TPH-g and VOC concentrations did not exceed the laboratory reporting limit in any of the four groundwater samples.

6 LIMITATIONS

This report is intended for the sole usage by City of Anaheim and to parties designated by City of Anaheim. The sampling locations and rationale presented in the Report are based on information from a variety sources, and AMEC makes no representation or warranty about the accuracy, reliability, suitability, or completeness of this information. Any use of this Report, whether by City of Anaheim or by a third party, shall be subject to the provisions of the Contract between the City of Anaheim and AMEC. Any unauthorized use, misuse of or reliance upon the Report shall be without risk or liability to AMEC.

The purpose of an environmental site assessment is to reasonably evaluate the potential for adverse impact from past practices at a given property or neighboring properties. In performing an environmental site assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. The professional opinions in this report are based in part on the interpretation of data from discrete sampling locations that may not represent conditions at locations not sampled by drilling methods.

Due to the current site conditions and accessibility, this Subsurface Assessment was limited in nature and was not intended to identify all environmental issues and eliminate all risk. AMEC offers a range of investigative and engineering services to suit the needs of our clients, including more extensive investigations. Although risk can never be eliminated, more extensive and more detailed investigations yield more information, which may help to understand and better manager potential risks. Since such detailed services involve greater expense, we ask our



clients to participate in identifying the level of service that will provide them with an acceptable level of risk.

The environmental services provided by AMEC were performed in accordance with generally accepted practice of professionals performing comparable work in southern California at the time of the investigation. It is possible that variations in conditions at the site could exist at points not explored during the course of this investigation. Also, changes in conditions may occur over time due to variations in rainfall, temperature, or other factors not apparent at the time of the field investigation. Therefore, no warranty, expressed or implied, is made.

The property owners are solely responsible for notifying all governmental agencies and the public of the existence, release, or disposal of any hazardous materials/wastes or petroleum products at the subject site, whether before, during, or after the performance of AMEC services. AMEC assumes neither responsibility nor liability for any claim, loss of property value, damage, or injury which results from hazardous materials, wastes or petroleum products being present or encountered at a given site.

7 REFERENCES

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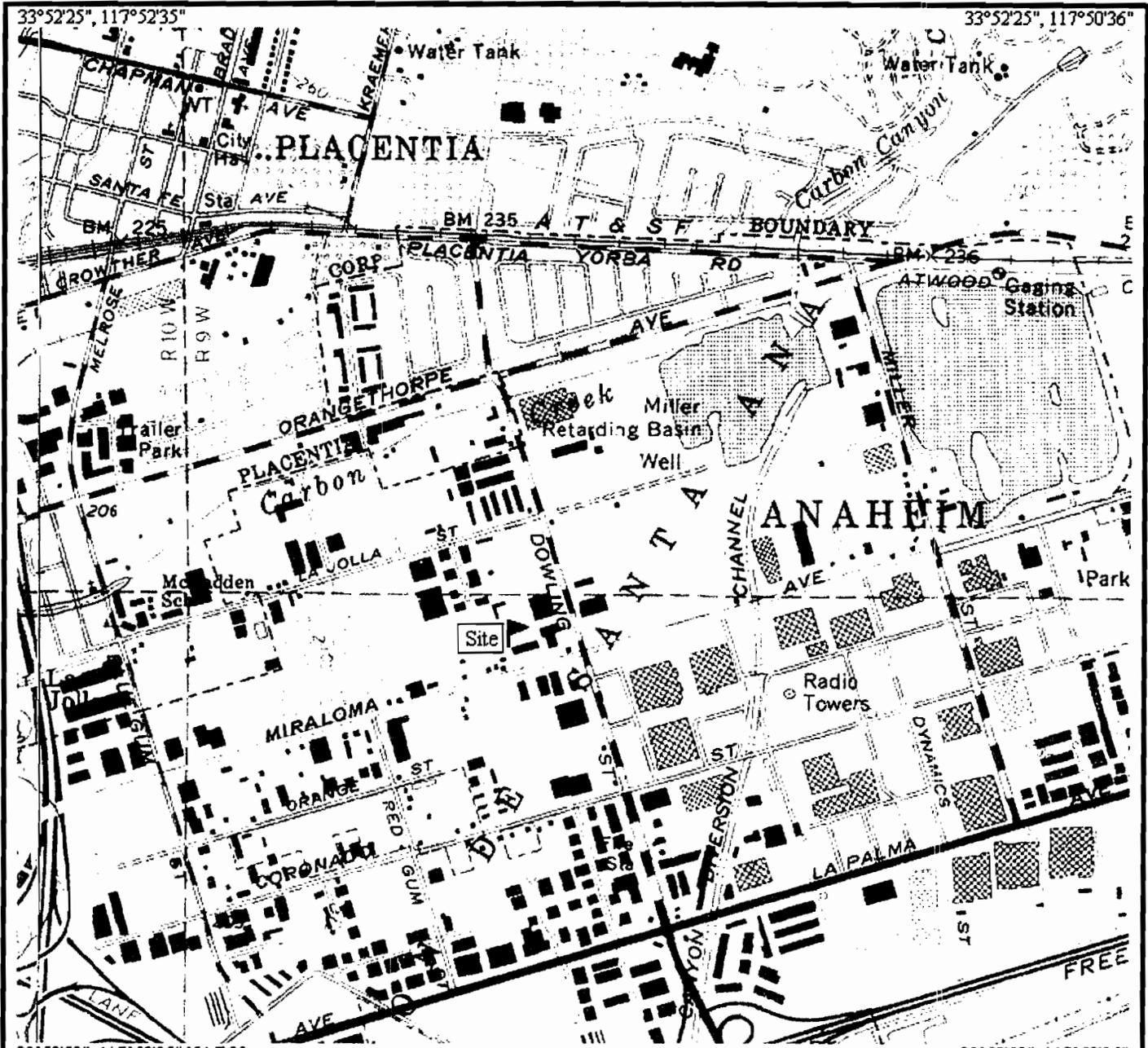
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FIGURES



33°50'53", 117°52'35" NAD83 33°50'53", 117°50'36"

TN 134° MN

0 1000 0 1000 2000 3000 4000 FEET 1/2 1 MILE

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LEGEND

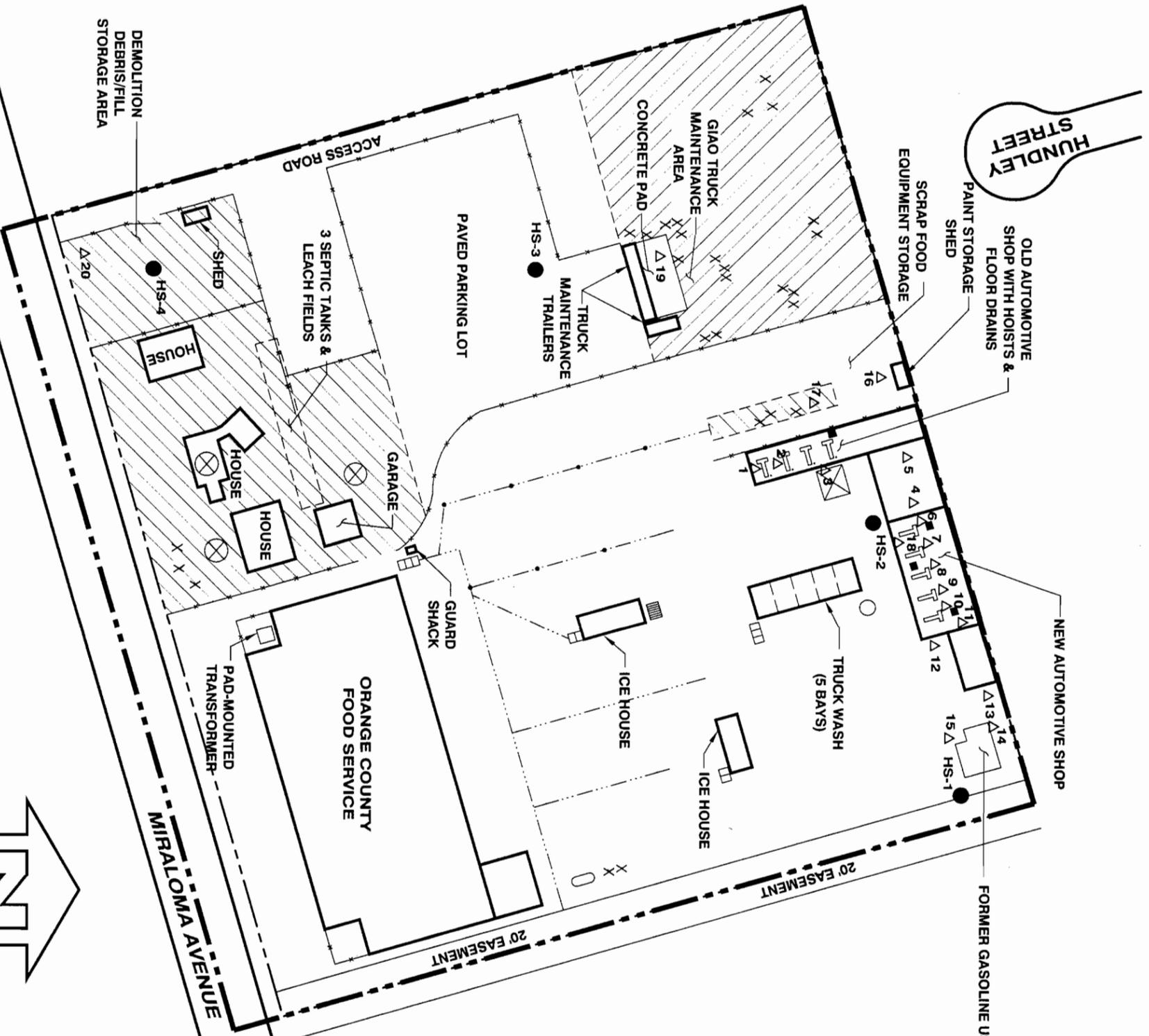
Figure 1

ADDITIONAL PHASE II SUBSURFACE ASSESMENT 3051, 3065 AND 3071 EAST MIRALOMA AVENUE, ANAHEIM, CA 92806				
SITE LOCATION MAP				
AMEC Earth & Environmental, Inc.				
FIELD	DRAFT	APPROV.	DATE	JOB NO.
--	DMB	DMB	May 2007	6171002600

Base Map: USGS
 7.5' Map Name, Quad Code, Created, Revised, Printed, DEM
 Orange Q33117G7 1964 1981 1982 7.5'

EXPLANATION

- PROJECT BOUNDARY
- CHAIN LINK FENCE
- DRAIN LINE
- GRAVELLY SAND
- BARE GROUND (UNPAVED)
- ▣ 3-STAGE CLARIFIER
- ▣ 2-STAGE CLARIFIER
- X X STAINED SOIL
- HYDRAULIC OIL TANK
- ⊥ HYDRAULIC PISTON HOIST
- ⊠ CONCRETE PATCH (ABANDONED WASTE OIL UST)
- GREASE TRAP TANK
- PROPAANE TANK
- ⊗ BURIED CONCRETE CISTERN (APPROXIMATE LOCATIONS)
- ▣ CARDBOARD COMPACTOR
- FLOOR DRAINS
- 1 Δ SOIL GAS PROBE LOCATION
- HS-1 ● HOLLOW STEM AUGER BORING (SOIL AND GROUNDWATER SAMPLE COLLECTED)



SCALE: 1" = 100'

ORANGE COUNTY FOOD SERVICE
 3051, 3065 & 3071 MIRALOMA AVENUE
 ANAHEIM, CALIFORNIA

AMEC Earth & Environmental, Inc.

SOIL GAS SURVEY & HOLLOW STEM AUGER LOCATIONS

FIELD	DRAFT	APPROV.	DATE	JOB No.
D.M.B.	JBD	D.M.B.	May 2007	6171002600

FIGURE 3

TABLES

Table 5

Depth to Groundwater Information

Orange County Food Service
3071 East Miraloma Avenue, Anaheim, CA 92806

Borehole ID	Location	Measured Depth To Groundwater (feet BGS)	Borehole Total Depth	Analytical
HS - 1	Northeast corner of site near former gasoline USTs	83.40 feet	90 feet	VOCs, TPH-g and TPH-d
HS - 2	North-central portion of site near automotive repair shop	84.30 feet	90 feet	VOCs, TPH-g, TPH-d, hardness, alkalinity, pH, SC & TDS
HS - 3	West-central portion of site, open parking lot	87.10 feet	90 feet	VOCs, TPH-g, TPH-d, hardness, alkalinity, pH, SC & TDS
HS - 4	Southwest corner of site, open yard adjacent to house	85.95 feet	90 feet	VOCs, TPH-g and TPH-d

Notes:

- BGS = below ground surface, as measured with a Solinst® water level meter
- VOCs = volatile organic compounds
- TPH-g = total petroleum hydrocarbons as gasoline
- TPH-d = total petroleum hydrocarbons as diesel
- SC = specific conductance
- TDS = total dissolved solids



Table 6

Soil-Gas Survey - Samples With Detectable Concentrations

Orange County Food Service - 3071 East Miraloma Avenue, Anaheim, CA

Analyte	Tetrachloroethylene		Gasoline Range Organics (GRO)
	ug/L	ug/m ³	
Sample ID	CHHSLS for Shallow Soils - Tetrachloroethylene (residential and commercial) are shown		No CHHSLS Listed
SG-3/5'	0.240	240**	ug/L
SG-4/5'	0.100	100	
SG-5/5' (1P) *	0.150	150	
SG5/5' (3P) *	0.190	190**	
SG5/5' (7P) *	0.190	190**	
SG-7/5'	0.240	240**	
SG-8/5'	0.110	110	
SG-9/5'	0.190	190**	
SG-10/5'	0.046	46	
SG-19/5'	0.600	600**	26.1
Residential CHHSLS	-	180	NA
Commercial CHHSLS	-	603	NA

Notes:

CHHSLS For Soil Gas = California Human Health Screening Levels used in Evaluation of Contaminated Properties, CalEPA, January 2005

For comparison purposes to the CHSSLS, the laboratory results are reported in micrograms per liter (ug/l) and converted to ug/m³ by multiplying 1000.

CHHSLS are reported in micrograms per cubic meter (ug/m³)

NA = CHHSLS not available for the respective contaminant

* A Purge volume study was conducted at sample SG-5/5' (1P), SG-5/5' (3 P) and SG-5/5' (7P)] for a time series purge volume.

** Soil-gas laboratory result exceeds CHHSLS for residential land use.



TABLE 7

Groundwater Results - Samples With Detectable Concentrations

Orange County Food Service
 3071 East Miraloma Avenue
 Anaheim, CA 92806

Sample ID	Date	TPH-d (µg/L)	TPH-g (µg/L)	Location Description
HS-1	3/29/2007	2,700	<100	Northeast Corner of the site (near former gasoline USTs)
HS-2	3/29/2007	1,400	<100	North-central portion of the site (near New Automotive Shop)
HS-2-DUP	3/29/2007	1,200	<100	As Above
HS-3	3/29/2007	1,500	<100	West-central portion of the site (paved parking lot)
HS-4	3/30/2007	580	<100	Southwest corner of the site (adjacent to access road along western site perimeter)

NOTES:

- TPH-d = Total Petroleum Hydrocarbons as diesel, analyzed by EPA Method 8015B (M)
- TPH-g = Total Petroleum Hydrocarbons as gasoline, analyzed by EPA Method 8015B (M)
- < 100 = less than the laboratory reporting limit for the specified analyte
- µg/L = micrograms per liter, which is equivalent to parts per billion or ppb
- MCLs = Maximum Contaminant Limits (California Department of Health Services)
- HS-2-DUP = Duplicate Groundwater Sample

Sample ID	Date	Specific Conductance (µmhos/cm)	Total Hardness (mg/L)	pH	Total Dissolved Solids (mg/L)	Total Alkalinity (mg/L) as CaCO ₃
California Secondary MCLs (b)						
HS-2	3/29/2007	970	1,300	7.35	590	212
HS-3	3/29/2007	1,000	1,200	7.29	573	206

NOTES:

- µmhos/cm = micro mhos per centimeter
- mg/L = milligrams per liter (equivalent to parts per million or ppm)
- MCLs = California Department of Health Services Secondary Maximum Contaminant Levels; section 64449 22CCR
- (a) = U.S. EPA National Secondary Drinking Water Regulation Standard
- (b) = Recommended and Upper Limits of Consumer Acceptance Contaminant Levels shown, respectively

Site Photographs

APPENDIX A



Photo 1 – Looking north at drill setup (boring HS-2). Roll-up doors for New Automotive Garage in background.



Photo 2 – Looking east at auger drilling (boring HS-2). Soil cuttings containerized in drums.



Photo 3 – Looking down at steel tube with fine to coarse gravelly sand from a sample interval near the interface with regional groundwater table (boring HS-2).

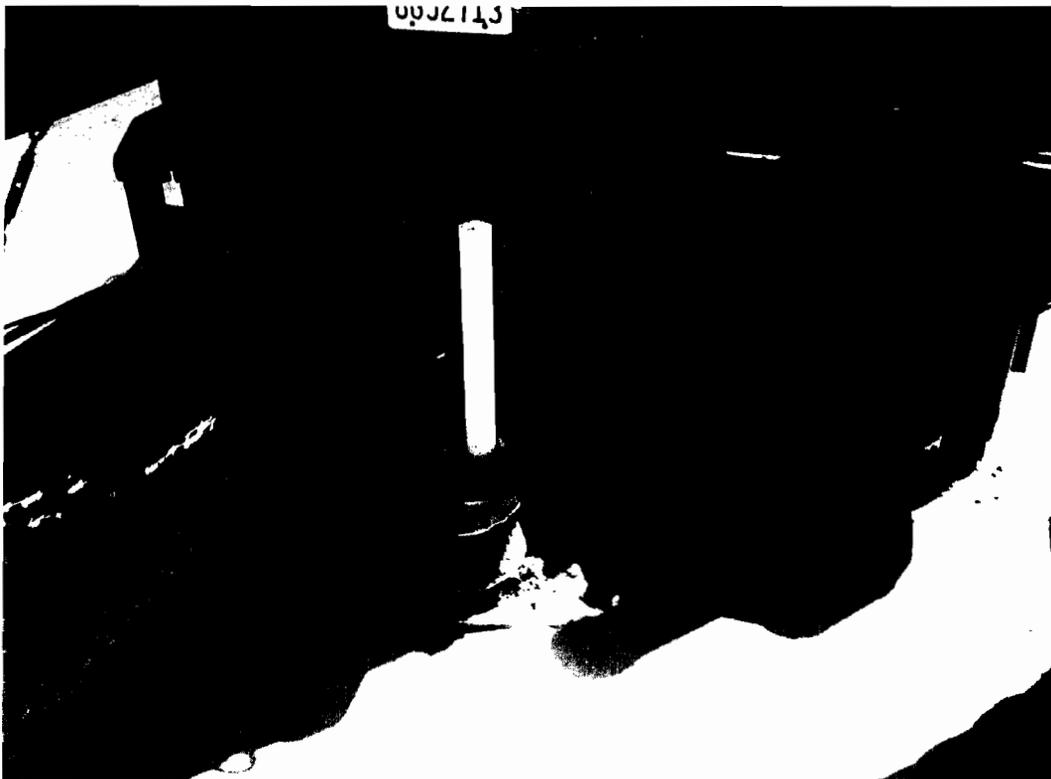


Photo 4 – Looking at PVC casing stickup from temporary monitoring well (boring HS-2).

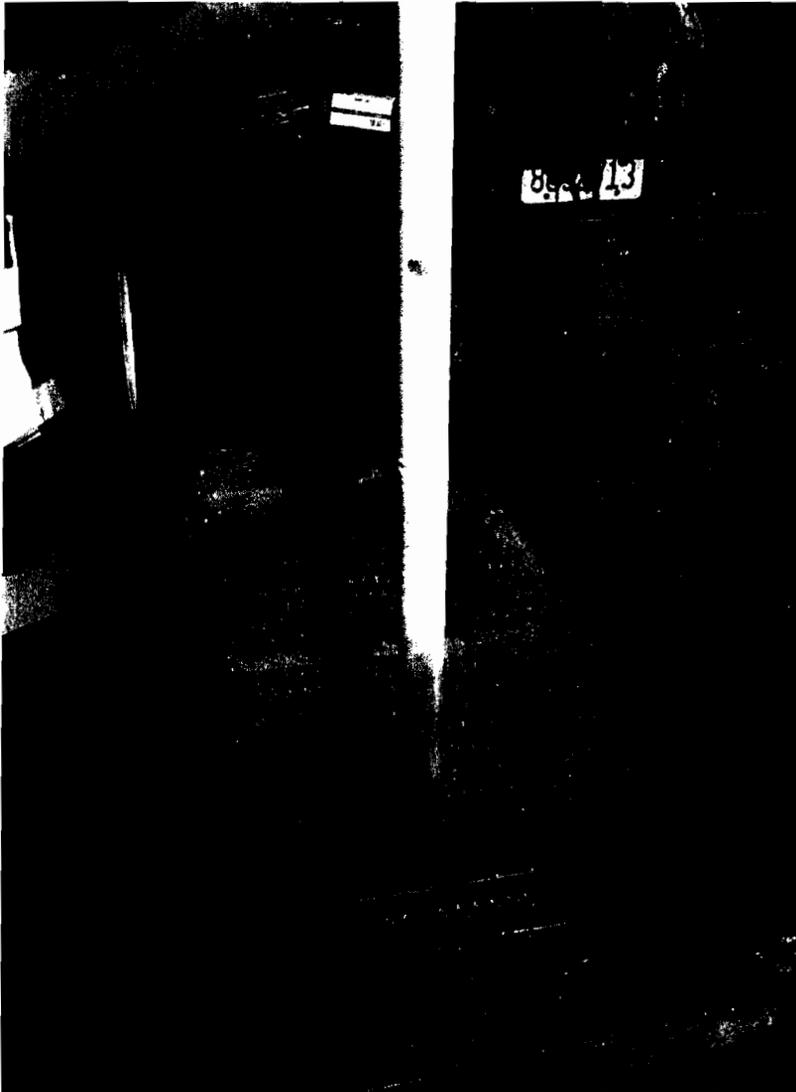


Photo 5 – Looking at approximate 5-foot section of slotted PVC casing with a cotton cloth sock cover that has been pulled from the borehole bottom after collecting a groundwater sample. An approximate 2-foot section of the casing (cloth material) was advanced into the groundwater table (light brown coloration is from groundwater turbidity).



Photo 6 – Looking northeast at drill setup for boring HS-3. Old Automotive Shop in the background (white building).



Photo 7 – Looking southwest at open yard area (boring HS-4).



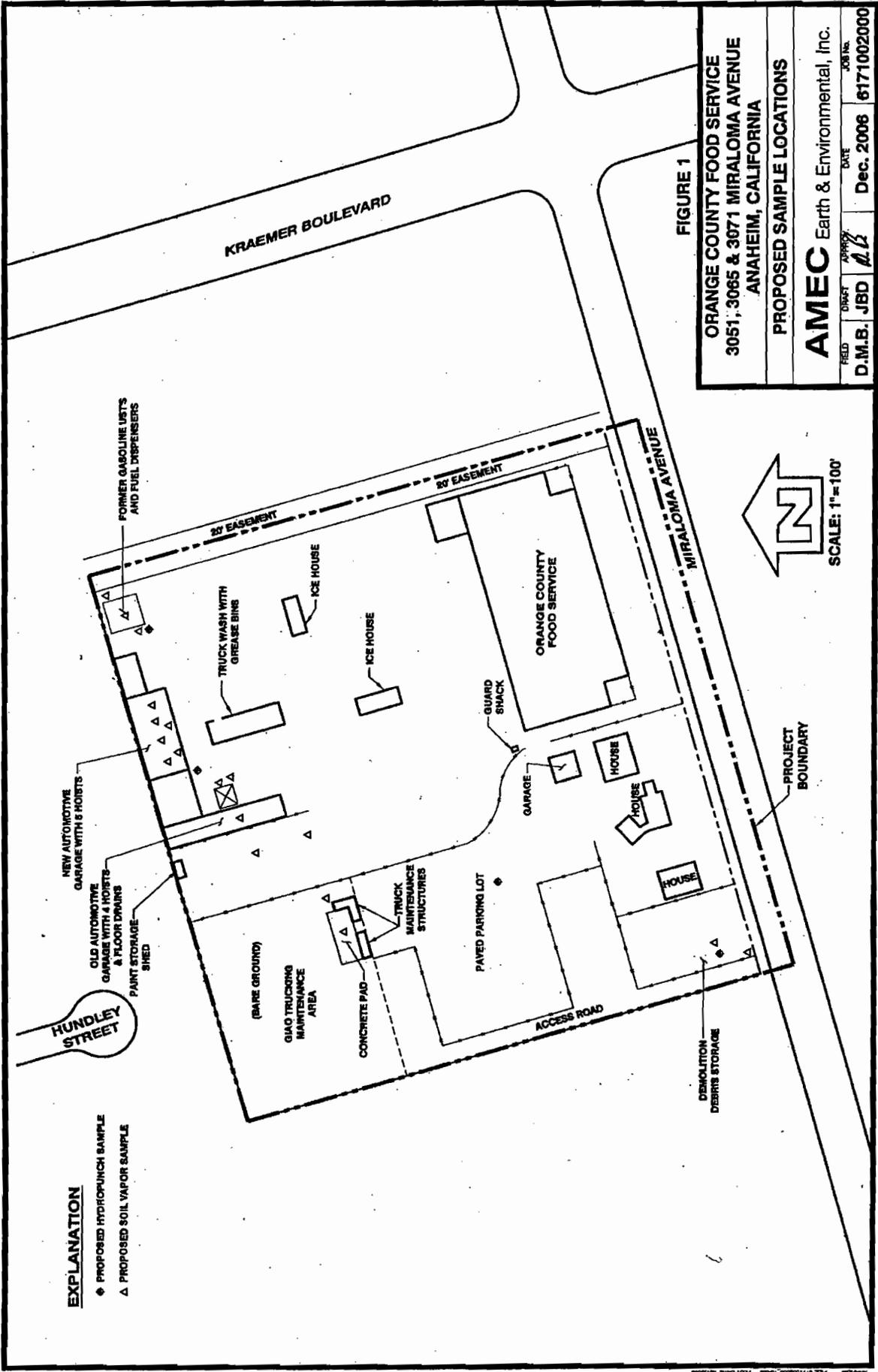
Photo 8 – Looking at a soil gas sampling tube (SG-7) inside the New Automotive Shop.



Photo 9 – Collection of a soil-gas sample for analysis using a glass syringe instrument (SG-19).

APPENDIX B

Well Permit



EXPLANATION

- ◆ PROPOSED HYDRO-PUNCH SAMPLE
- △ PROPOSED SOIL VAPOR SAMPLE

FIGURE 1

ORANGE COUNTY FOOD SERVICE 3051, 3065 & 3071 MIRALOMA AVENUE ANAHEIM, CALIFORNIA			
PROPOSED SAMPLE LOCATIONS			
AMEC Earth & Environmental, Inc.			
FIELD	DATE	JOB NO.	
D.M.B. JBD	Dec. 2006	6171002000	



APPENDIX C

**Sampling Techniques –
Quality Assurance/Quality Control**



SOIL SAMPLING TECHNIQUES

Hollow Stem Auger Soil Borings

Soil samples were collected within an acetate liner using a four-foot long steel sample barrel (i.e. California split-spoon type sampler). To prevent cross-contamination between samples, the steel sampling device was washed prior to each sampling using the "three-bucket" cleaning system. This system involves:

1. washing the sampling device with a nontoxic, non-phosphate detergent and water solution;
2. rinsing the sampling device with tap water;
3. rinsing the sampling device with distilled water; and
4. air dried prior to equipment reuse.

QUALITY ASSURANCE/QUALITY CONTROL

To maintain the integrity of each soil sample, the following procedures were performed. Specifically, after extraction and/or collection, individual soil samples were:

1. collected in newly inserted steel sleeves or tubes, as inserted inside the California split-spoon sampling tool, approximately 6-inches long by 2 inches in diameter;
2. sealed with Teflon™ sheeting and with Teflon™ polypropylene end-caps;
3. properly labeled with complete custody forms;
4. placed in a cooler and chilled on ice; and
5. analyzed by a State-certified laboratory (fixed laboratory).

All soil samples were refrigerated and stored at the laboratory for thirty days in case additional analyses were needed.

SOIL GAS SURVEYING
METHODS AND PROCEDURES
FOR
INSTALLATION AND SAMPLING
OF SOIL GAS SAMPLING PROBES

METHODS AND PROCEDURES FOR SOIL GAS SURVEYING

This document describes the methods and procedures for conducting soil gas surveys. Procedures may be modified based on evaluation of specific project needs. EST will perform soil gas surveys in general accordance with the Department of Toxic Substances Control (DTSC) / Los Angeles Regional Water Quality Control Board's (LARWQCB) "Advisory – Active Soil Gas Investigations" dated January 28, 2003.

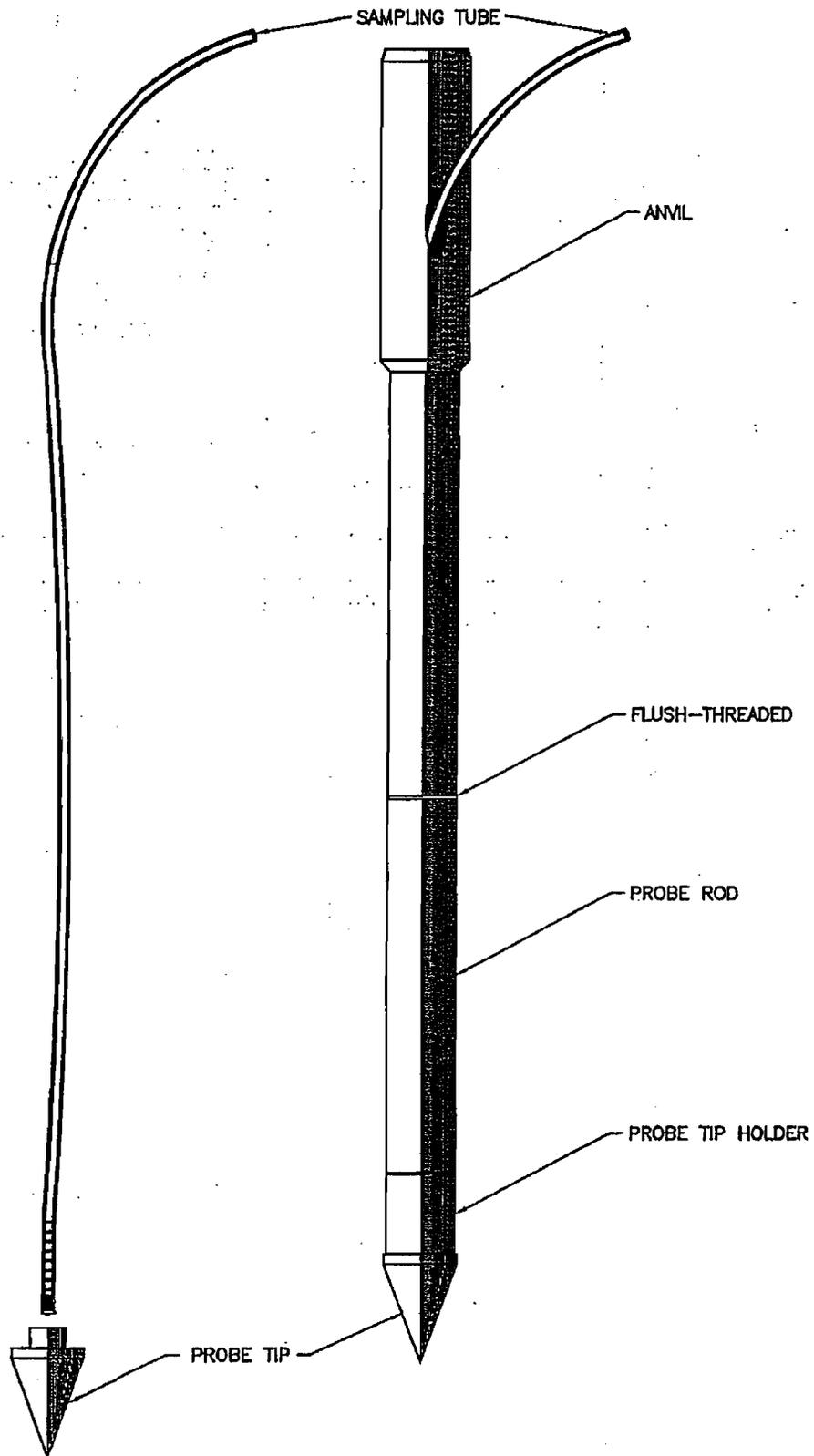
INSTALLATION OF SEMI-DEDICATED SOIL GAS SAMPLING PROBES

Soil gas sampling probes will be installed using a truck-mounted direct-push rig. Once a probe is installed to the desired depth, the 1.5-inch diameter hollow probe drive-rods are withdrawn, leaving a steel probe point and ¼-inch Nylaflow™ sampling tube in the subsurface. The lower 2-inches of the tubing will be slotted and the end of the tubing will be plugged with a sheet metal screw. Approximately 12-inches of clean, graded (# 3), kiln dried, RMC Lonestar sand will be poured around the perforated section of Nylaflow™ sample tubing to allow for diffusion of soil vapors. Approximately 12-inches of granular bentonite will be added above the sand pack and hydrated. The remaining annulus will be filled with cement mortar/bentonite grout to slightly below grade. Construction details of a typical soil gas sampling probe are shown in Figure 1.

SOIL GAS SAMPLE COLLECTION

Soil gas samples will be collected from the driven probes using the soil gas sampling system as shown in Figure 2. The soil gas sampling system is constructed of stainless steel, glass, Nylaflow™, and Teflon™ components. Instrumentation associated with the sampling system includes a calibrated flow meter and a vacuum gauge. Vacuum integrity of the sampling system will be tested prior to, and after the soil gas survey using leak-down testing methods. Site-specific probe purging and sample volume calibrations will be initially performed to evaluate the appropriate volume of gas to be purged from each probe prior to sample collection. This will be done by performing time-series sampling of at least one probe to evaluate trends in soil gas concentrations as a function of purge volume. After probe purging, soil gas samples will be withdrawn from the moving sample stream using a glass syringe fitted with a disposable needle and Mininert™ gas-tight valve. Immediately following collection, the samples will be loaded into the purge and trap system for analysis.

When soil gas sampling is completed, the probe can either be abandoned in-place or completed at grade so that additional samples can be collected in the future. If it is desired to abandon the tubing in-place, the Nylaflow™ sample tubing will be plugged with a sheet metal screw, folded over, and pushed down-hole until slightly below grade. The remaining depression will be filled with concrete mortar and finished flush with grade. If the probe will remain in-place for subsequent sampling, the end of the tubing will be plugged with a sheet metal screw or fitted with a compression fitting with plug and an identification tag will be placed around the tubing. The tubing will be completed at the surface according to client specifications.



DEDICATED PORTION OF PROBE

NOTE: NOT TO SCALE

FIGURE 1
SOIL GAS SAMPLING PROBE

DRAWN BY: JST SCALE: NOT TO SCALE DATE: 06-03-03

SAMPLE ANALYSIS OF VOLATILE ORGANIC COMPOUNDS

Soil gas samples will be analyzed by EPA Method 8260B using a gas chromatograph/mass spectrometer GC/MS for the target volatile organic compounds (VOCs). Reporting limits for the target compounds will range from 0.1 to 0.5 microgram per liter ($\mu\text{g/L}$) of gas except when compound concentration exceeds the initial calibration range. If this occurs, the sample will be diluted using smaller volume, which will result in raised reporting limits for the analysis.

A series of quality assurance/quality control (QA/QC) analyses will be performed prior to, during, and following the analysis of the soil gas samples. A summary of these QA/QC analyses is shown in Table 1 and each are described below.

LEAK TEST

Leak testing will be conducted at every soil gas probe using 2-propanol as a leak check compound. A rag dampened with 2-propanol will be placed around the probe at the surface while purging to detect any possible leak in the probe construction or the sampling system. The reporting limit for 2-propanol will be 10 $\mu\text{g/L}$.

SURROGATE COMPOUNDS

Three (3) surrogate compounds will be added to all analysis runs. Surrogate compound concentrations will be within the calibration range. The percent recovery of the surrogate compounds will be calculated and reported with soil gas sample results. The acceptance goal for surrogate recovery is ± 25 percent difference from the true concentration of the surrogate compounds. Surrogate compounds added to each sample analysis run will include dibromofluoromethane, toluene-d8, and 4-bromofluorobenzene, each at a concentration of 25 $\mu\text{g/L}$.

INITIAL MULTI-POINT EQUIPMENT CALIBRATION

The GC/MS used for soil gas analysis will be calibrated using high-purity solvent-based standards obtained from certified vendors. Standards are typically prepared in high-purity methanol solvent. Calibration will be performed using solvent-based standards at varying concentration levels. If necessary, stock solvent-based standards will be diluted to an appropriate concentration. Diluted standards will be prepared by introducing a known volume of stock solvent-based standard into a known volume of high-purity solvent.

Initial GC/MS calibration will be performed for volatile organic compounds (VOCs). The GC/MS will be calibrated using multiple standard analysis runs to establish a multi-point calibration curve. The lowest standard will not be higher than five times the method reporting limit. The percent relative standard deviation (%RSD) of the response factor (RF) for each target compound must not exceed 20 percent except for trichlorofluoromethane (Freon®-11), dichlorodifluoromethane (Freon®-12), trichlorotrifluoroethane (Freon®-113), chloroethane (CE), and vinyl chloride (VC) which must not exceed 30% RSD. Initial calibration will also meet the Calibration Check Compounds (CCC)/System Performance Check Compounds (SPCC) requirements for EPA Method 8260B. Identification and quantitation of compounds in the field will be conducted under the same analytical conditions as for the initial calibration.

TABLE 1
SUMMARY OF
QUALITY ASSURANCE/QUALITY CONTROL ANALYSES
FOR SOIL GAS SURVEYS

LABORATORY QUALITY ASSURANCE / QUALITY CONTROL SAMPLES		
DESCRIPTION	FREQUENCY	ACCURACY / PRECISION GOAL
INITIAL MULTI-POINT CALIBRATION (25 Target Compounds)	At the beginning of the soil gas survey, unless the RPDs of the initial laboratory check sample or daily ICV samples exceed their goals.	20, 30 %RSD (1)
INITIAL LABORATORY CONTROL SAMPLE (LCS) (25 Target Compounds)	At the beginning of the survey, following the initial multi-point calibration.	$\pm 15, \pm 25$ %D (2)
INITIAL CALIBRATION VERIFICATION (ICV) (14 Target Compounds)	At the beginning of each day (unless an initial multi-point calibration was performed).	$\pm 15, \pm 25$ %D (3)
LAST GC TEST RUN	At the end of the day if all samples from that day of analysis show non-detect (ND) results.	At least 50 % recovery (4)
BACKGROUND SAMPLE (5)	Minimum one per day.	<RL of target compounds and 75 to 125 percent recovery of surrogate compounds
SYRINGE BLANK (5)	Minimum one per day.	<RL of target compounds and 75 to 125 percent recovery of surrogate compounds
DUPLICATE SAMPLES	Minimum one per day.	RPD ≤ 50 for all detected analytes

%RSD = Percent Relative Standard Deviation calculated based on the initial multi-point calibration.

%D = Percent Difference between the response factor obtained from the LCS, the daily ICV, and the average response factor initially calculated based on the multi-point calibration.

RL = Reporting Limit

RPD = Relative Percent Difference

- (1) The %RSD goal for the initial multi-point calibration will be 20 percent for all compounds except for Dichlorodifluoromethane (Freon®-12, Vinyl Chloride (VC), Chloroethane (CE), Trichlorofluoromethane (Freon®-11), and 1,1,2-Trichloro-trifluoroethane (Freon®-113) for which the % RSD goal is 30 percent.
- (2) The %D goal for the initial laboratory control standard will be ± 15 percent for all compounds except for Freon®-12, Vinyl Chloride, Chloroethane, Freon®-11, and Freon®-113 for which the %D goal is ± 25 percent.
- (3) The %D goal for the daily ICV will be ± 15 percent for all compounds except for Freon®-12, Vinyl Chloride, Chloroethane, Freon®-11, and Freon®-113 for which the %D goal is ± 25 percent.
- (4) A LCS at the detection limit concentration is analyzed. The recovery for each compound must be at least 50 percent.
- (5) A syringe/background sample will be analyzed using ambient air. If volatile organic compounds (VOCs) are not detected, the ambient air sample will represent the background sample and syringe blank. If VOCs are detected in the ambient air sample, a syringe blank will be analyzed using ultra-high-purity helium or nitrogen gas.

LABORATORY CONTROL SAMPLE

A laboratory control sample (LCS) from a source or a lot number other than the initial calibration standard will be analyzed to verify the true concentration of the initial calibration standard. The LCS will include the DTSC / LARWQCB target compounds and the RF for each compound must be within ± 15 percent difference from the average response factor (ARF) of the initial calibration except for Freon®-11, Freon®-12, Freon®-113, CE, and VC, which must be within ± 25 percent difference from the ARF of the initial calibration.

INITIAL CALIBRATION VERIFICATION

A daily Initial Calibration Verification (ICV) will consist of a mid-point concentration of the initial calibration using the calibration standard solution. The daily ICV will include the 14 target compounds as specified in the previously referenced DTSC / LARWQCB requirements. The RF of each compound (except for Freon®-11, -12, and -113, CE, and VC) must be within ± 15 percent difference from the ARF of the initial calibration. The RF for Freon®-11, -12, and -113, CE, and VC must be within ± 25 percent difference from the ARF of the initial calibration. ICV will also meet the Calibration Check Compounds (CCC)/System Performance Check Compounds (SPCC) requirements for EPA Method 8260B. Daily ICV will be performed prior to the first sample analysis of the day. Daily ICV also will be performed for compounds detected at a particular location to assure accurate quantitation.

END OF DAY GC TEST RUN

A LCS will be analyzed at the reporting limit concentration should the soil gas samples show no detections of volatile organic compounds. The recovery for each compound must be at least 50 percent of the true concentration of that LCS. If these criteria are not met, an additional LCS will be analyzed to satisfy these criteria.

BLANK SAMPLES

The syringes used for soil gas sample collection will be filled with ambient air or high-purity carrier-grade gas from a compressed gas cylinder. The ambient air or high-purity gas will be analyzed daily before running samples. The blank injection will serve to detect contamination of the syringe to be used for sampling and verify the effectiveness of equipment decontamination procedures.

DUPLICATE SAMPLES

Duplicate samples will be collected at a minimum of one (1) per day. Duplicate samples will be collected from areas of concern. A duplicate sample will be collected in a separate sample container at the same location and depth immediately after the original sample.

DECONTAMINATION PROCEDURES

Soil gas sampling syringes and applicable fittings will be decontaminated by placing the equipment in the gas chromatograph oven and heating at a temperature ranging from 100 to 120 degrees centigrade ($^{\circ}\text{C}$) for a minimum of 30 minutes. The syringes will be allowed to cool to ambient temperature before use on the next sampling location.

APPENDIX D

**Soil Boring Logs
(Hollow Stem Auger)**

ENVIRONMENTAL BORING 6171002600_PXXT4-001.GPJ AMEC PORTLAND.GDT 4/6/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
0		SM	CONCRETE: 5 inches thick NATIVE: SILTY SAND to SAND, tan brown, fine to coarse grained, trace GRAVEL, dry, loose to medium						
5									
10									
15									
20									
25									
30									
35									
40			... (40 feet) mostly fine to medium grained SAND, tan brown, dry, loose to medium dense		43				HS-1/40' PID=0.1
45			... (45 feet) fine to coarse grained SAND, salt and pepper texture, light brown to tan brown, loose to medium dense, dry		46				HS-1/45' PID=0.1
50									
BORING METHOD: Hollow Stem			ELEVATION REFERENCE: NA			REMARKS: Hole drilled near former USTs.			
BOREHOLE DIAMETER: 8 (in)			GROUND SURFACE ELEVATION: NA						
DRILL RIG: CME-95			CASING ELEVATION: NA						
CONTRACTOR: BC Drilling			DRILLING DATES: 03/29/2007						
LOGGED BY: D. Bohme									

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LOG OF BORING
HS-1

ENVIRONMENTAL BORING 6171002600_PXXT4-001.GPJ AMEC PORTLAND.GDT 4/8/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
50		SM	NATIVE: SILTY SAND to SAND, tan brown, fine to coarse grained, trace GRAVEL, dry, loose to medium ... (50 feet) medium dense, dry		45				HS-1/50' PID=0.0
55			... (55 feet) mostly fine to medium grained SAND, light brown, salt and pepper texture, loose to medium dense, dry		45				HS-1/55' PID=0.0
60					47				HS-1/60' PID=0.2
65			... (65 feet) some fine GRAVEL, subrounded, quartz pieces, dense, dry		50				HS-1/65' PID=0.2
70				GM	GRAVELLY SAND, mostly fine to coarse GRAVEL, subrounded, granitic, dense, dry ... (70 feet) SAND, mostly coarse grained with fine to coarse GRAVEL, subrounded, granitic, dense, dry		50		
75	... (75 feet) some fine to coarse GRAVEL, subrounded, quartz pieces, dense, dry				50				HS-1/75' PID=0.6
80	... (80 feet) fine to coarse GRAVEL, subrounded, slightly damp, dense				50				HS-1/80' PID=0.9
85	... (85 feet) mostly fine to coarse GRAVEL, clean, damp to saturated, dense								NS
90			NOTE: 1. Hole completed to 90 feet below ground surface (bgs). 2. Groundwater measured at 83.4 bgs. 3. Groundwater sample collected by installing a temporary well (2 inch diameter PVC); 85 feet of blank casing and 5 feet of screen. 4. Hole backfilled with high solids bentonite grout mix on March 29, 2007 (6 drums mixed).						

BORING METHOD: Hollow Stem	ELEVATION REFERENCE: NA	REMARKS: Hole drilled near former USTs.
BOREHOLE DIAMETER: 8 (in)	GROUND SURFACE ELEVATION: NA	
DRILL RIG: CME-95	CASING ELEVATION: NA	
CONTRACTOR: BC Drilling		
LOGGED BY: D. Bohme	DRILLING DATES: 03/29/2007	

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LOG OF BORING
HS-1
PAGE 2 OF 2

ENVIRONMENTAL BORING 6171002600.PXXT4-001.GPJ AMEC PORTLAND.GDT 4/6/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
0		SM	CONCRETE: 5 inches thick SILTY SAND, mostly fine to medium grained, tan brown to light brown, salt and pepper texture, micaceous, loose to medium dense, dry						
5									
10									
15									
20			... (20 feet) mostly fine to coarse grained SAND, tan brown, trace brown SILT, loose, dry		27				HS-2/20' PID=0.0
25			... (25 feet) micaceous, granitic, loose, dry		25				HS-2/25' PID=0.2
30			... (30 feet) trace fine GRAVEL, subrounded, loose, dry		28				HS-2/30' PID=0.1
35			... (35 feet) mostly fine to coarse grained SAND, granitic, loose to medium dense, dry		38				HS-2/35' PID=0.0
40			... (40 feet) mostly fine to coarse grained SAND, brown to tan brown, medium dense, dry		45				HS-2/40' PID=0.0
45			... (45 feet) mostly SANDY SILT, brown to gray brown, cohesive, some SAND, dry		34				HS-2/45' PID=0.0
50									
BORING METHOD: Hollow Stem BOREHOLE DIAMETER: 8 (in) DRILL RIG: CME-95 CONTRACTOR: BC Drilling LOGGED BY: D. Bohme				ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA DRILLING DATES: 03/29/2007		REMARKS: Drilled near automotive shop.			

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LOG OF BORING
HS-2

ENVIRONMENTAL BORING 6171002600_PXXT4-001.GPJ AMEC PORTLAND.GDT 4/6/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA	
50		SM	SILTY SAND, mostly fine to medium grained, tan brown to light brown, salt and pepper texture, micaceous, loose to medium dense, dry ... (50 feet) fine to medium grained SAND, tan brown, loose, dry		50				HS-2/50' PID=0.1	
55			... (55 feet) mostly fine to coarse grained SAND, tan brown, granitic, dry, loose to dense		50				HS-2/55' PID=0.0	
60			... (60 feet) trace fine GRAVEL, subrounded, dry, very dense		50				HS-2/60' PID=0.0	
65			... (65 feet) loose to dense		50				HS-2/65' PID=0.0	
70			... (70 feet) trace fine GRAVEL, subrounded, dry, dense						HS-2/70' PID=0.1	
75		GM	GRAVELLY SAND, subrounded, brown to gray brown ... (75 feet) some fine GRAVEL, granitic, GRAVELLY SAND, gray brown, dense, dry						HS-2/75' PID=0.0	
80			... (80 feet) mostly medium to coarse grained SAND, some fine GRAVEL, brown to gray brown, dense, damp						HS-2/80' PID=0.0	
85			... (86 feet) predominately fine to coarse GRAVEL, subrounded, granitic, some quartz, dense, saturated				▼		HS-2/85' PID=0.0	
90			NOTE: 1. Hole completed to 90 feet below ground surface (bgs). 2. Groundwater measured at 84.3 bgs. 3. Groundwater sample collected by installing a temporary well (2 inch diameter PVC); 85 feet of blank casing and 5 feet of screen. 4. Hole backfilled with bentonite grout mix pumped downhole (6 drums mixed) on March 29, 2007.							
100	BORING METHOD: Hollow Stem BOREHOLE DIAMETER: 8 (in) DRILL RIG: CME-95 CONTRACTOR: BC Drilling LOGGED BY: D. Bohme				ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA DRILLING DATES: 03/29/2007			REMARKS: Drilled near automotive shop.		

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**LOG OF BORING
 HS-2**
 PAGE 2 OF 2

ENVIRONMENTAL BORING 6171002600_PXXT4-001.GPJ AMEC PORTLAND.GDT 4/6/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
0			ASPHALT: 6 inches thick						
0 - 40		SM	SILTY SAND, mostly fine to coarse grained, salt and pepper texture, granitic, trace fine GRAVEL, tan brown to brown, dry, loose to medium dense						
40 - 45			... (40 feet) mostly fine to coarse grained SAND,		30				HS-3/40' PID=0.1
45 - 50			... (45 feet) mostly fine to medium SAND, tan brown, loose, dry		39				HS-3/45' PID=0.0

BORING METHOD: Hollow Stem BOREHOLE DIAMETER: 8 (in) DRILL RIG: CME-95 CONTRACTOR: BC Drilling LOGGED BY: D. Bohme	ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA DRILLING DATES: 03/29/2007	REMARKS: Hole drilled in parking lot (south central portion of site).
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O.C. Food Services 3071 E. Mira Loma Ave. Anaheim, CA 6171002600	AMEC Earth & Environmental 1290 N. Hancock St., Suite 102 Anaheim, CA 92807 Tel 1-714-779-2591 Fax 1-714-779-8377		LOG OF BORING HS-3 PAGE 1 OF 2
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ENVIRONMENTAL BORING 6171002600_PXXT4-001.GPJ AMEC PORTLAND.GDT 4/6/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
50		SM	SILTY SAND, mostly fine to coarse grained, salt and pepper texture, granitic, trace fine GRAVEL, tan brown to brown, dry, loose to medium dense		36				HS-3/50' PID=0.0
55			... (55 feet) mostly fine to coarse grained SAND, tan brown, trace SILT, brown, loose, dry		37				HS-3/55' PID=0.0
60			... (60 feet) some GRAVEL, subrounded, granitic, loose to dense, dry		50				HS-3/60' PID=0.0
65			... (65 feet) trace GRAVEL, subrounded, granitic, medium dense		50				HS-3/65' PID=0.0
70			... (70 feet) predominately fine to medium grained SAND, salt and pepper texture, loose to medium dense, dry		50				HS-3/70' PID=0.0
75			... (75 feet) trace GRAVEL, granitic, subrounded, dense, dry		50				HS-3/75' PID=0.0
80		GM	GRAVELLY SAND, fine to coarse GRAVEL, granitic, damp ... (80 feet) GRAVELLY SAND, fine to coarse GRAVEL, subrounded, granitic, damp, dense		50				HS-3/80' PID=0.0
85			... (85 feet) damp to moist, some coarse GRAVEL, granitic, dense		50		▼		NS PID=0.0
90			NOTE: 1. Hole completed to 90 feet below ground surface (bgs). 2. Groundwater measured at 87.1 bgs. 3. Groundwater sample collected by installing a temporary well (2 inch diameter PVC); 85 feet of blank casing and 5 feet of screen. 4. Hole backfilled with high density bentonite grout mix, pumped downhole on March 29, 2007 (6 drums mixed).						
95									
100									

BORING METHOD: Hollow Stem ELEVATION REFERENCE: NA
BOREHOLE DIAMETER: 8 (in) GROUND SURFACE ELEVATION: NA
DRILL RIG: CME-95 CASING ELEVATION: NA
CONTRACTOR: BC Drilling
LOGGED BY: D. Bohme DRILLING DATES: 03/29/2007

REMARKS:
Hole drilled in parking lot (south central portion of site).

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LOG OF BORING
HS-3
PAGE 2 OF 2

ENVIRONMENTAL BORING 6171002600_PXXT4-001.GPJ AMEC PORTLAND.GDT 4/6/07

DEPTH (ft bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
0		SM	SILTY SAND, predominately fine to coarse grained SAND, tan brown to brown, loose to medium dense, dry						
5									
10									
15									
20									
25									
30									
35									
40			... (40 feet) mostly fine to coarse grained SAND, salt and pepper texture, loose to medium dense, dry		50				 HS-4/40' PID=0.7
45			... (45 feet) trace fine GRAVEL, subrounded, loose, dry		49				 HS-4/45' PID=0.0
50									

BORING METHOD: Hollow Stem BOREHOLE DIAMETER: 8 (in) DRILL RIG: CME-95 CONTRACTOR: BC Drilling LOGGED BY: D. Bohme	ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA DRILLING DATES: 03/30/2007	REMARKS: Hoel drilled in open yard (southwest corner of site).
--	---	---

O.C. Food Services 3071 E. Mira Loma Ave. Anaheim, CA 6171002600	AMEC Earth & Environmental 1290 N. Hancock St., Suite 102 Anaheim, CA 92807 Tel 1-714-779-2591 Fax 1-714-779-8377		LOG OF BORING HS-4 PAGE 1 OF 2
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ENVIRONMENTAL BORING 617-1002600_PXXT-4-001.GPJ AMEC PORTLAND.GDT 4/8/07

DEPTH (# bgs)	GRAPHIC LOG	USCS SYMBOL	SOIL DESCRIPTION	SAMPLE	BLOW COUNT SPT N VALUE	VOLATILE READING (ppm)	GROUNDWATER	FIELD TESTING	TESTING AND LABORATORY DATA
50		SM	SILTY SAND, predominately fine to coarse grained SAND, tan brown to brown, loose to medium dense, dry ... (50 feet) mostly medium to coarse grained SAND, tan brown, dry, loose to medium dense		50				HS-4/50' PID=0.1
55			... (55 feet) mostly fine to coarse grained SAND, salt and pepper texture, loose, dry		48				HS-4/55' PID=0.0
60			... (60 feet) trace fine GRAVEL		50				HS-4/60' PID=0.0
65			... (65 feet) mostly fine to coarse grained SAND, brown to tan, loose, dry		49				HS-4/65' PID=0.0
70					50				HS-4/70' PID=0.1
75		GM	GRAVELLY SAND, fine to coarse GRAVEL, granitic, subrounded, fine to medium grained SAND, dense		50				HS-4/75' PID=0.1
80			... (80 feet) mostly fine GRAVEL, gray, subrounded, dense		50				HS-4/80' PID=0.0
85			... (85 feet) fine to coarse GRAVEL, subrounded, some coarse grained SAND, damp, dense		50		▼		HS-4/85' PID=0.0
90			NOTE: 1. Hole completed to 90 feet below ground surface (bgs). 2. Groundwater measured at 85.95 bgs. 3. Groundwater sample collected by installing a temporary well (2 inch diameter PVC); 85 feet of blank casing and 5 feet of screen. 4. Hole backfilled with bentonite grout, pumped downhole, allowed to settle for 2 hours on March 30, 2007.						
100	BORING METHOD: Hollow Stem BOREHOLE DIAMETER: 8 (in) DRILL RIG: CME-95 CONTRACTOR: BC Drilling LOGGED BY: D. Bohme				ELEVATION REFERENCE: NA GROUND SURFACE ELEVATION: NA CASING ELEVATION: NA DRILLING DATES: 03/30/2007		REMARKS: Hoel drilled in open yard (southwest corner of site).		

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LOG OF BORING
HS-4

APPENDIX E

**Laboratory Analytical Results
Soil-Gas Survey**



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Testing Laboratories

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JONES ENVIRONMENTAL

LABORATORY REPORT

Client: AMEC Earth & Environmental, Inc.
Client Address: 1290 N. Hancock Street, Suite 102
Anaheim, CA 92817

Report Date: 03/23/07
JEL Ref. No.: B-4505
Client Ref. No.: 6171002600

RECEIVED

MAR 26 2007

Attn: Dennis Bohme
Project: OCFS-Miraloma Ave.
Project Address: 3071 E. Miraloma Ave., Anaheim, CA

Date Sampled: 03/22/07
Date Received: 03/22/07
Date Analyzed: 03/22/07
Physical State: Soil Gas

AMEC - ANAHEIM

ANALYSES REQUESTED

1. EPA 8260B- Volatile Organics by GC/MS + Oxygenates/Volatile Hydrocarbons as Gasoline

Sampling – Soil Gas samples are collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling is purged three different times as recommended by DTSC/RWQCB regulations. This purge test determines how many purges of the soil gas tubing are needed throughout the project. One, three and seven purge volumes were analyzed to make this determination.

A tracer gas, n-Propanol, is placed at the tubing-surface interface before sampling. This compound is analyzed during the 8260B analytical run to determine if there are surface leaks into the subsurface due to improper installation of the probe. No n-Propanol was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min using a gas tight syringe. 3 purge volumes were used since this purging level gave the highest results.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Ambient Air Blanks are analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) are analyzed with each batch of Soil Gas samples. A duplicate sample is analyzed each day of the sampling activity.

Approval:

Steve Jones, Ph.D.
Laboratory Manager



Jones Environmental, Inc.

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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-1</u>	<u>SG-1</u>	<u>SG-1</u>	<u>SG-2@</u>	<u>SG-3@</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
	<u>@5'</u>	<u>@5'</u>	<u>@5'</u>	<u>5'</u>	<u>5'</u>		
Analytes:	<u>1P</u>	<u>3P</u>	<u>7P</u>				
Benzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromoform	ND	ND	ND	ND	ND	0.020	ug/L
Bromomethane	ND	ND	ND	ND	ND	0.020	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.020	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Chloroform	ND	ND	ND	ND	ND	0.020	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.020	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.020	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-1</u>	<u>SG-1</u>	<u>SG-1</u>	<u>SG-2@</u>	<u>SG-3@</u>	<u>Practical Quantitation Limits</u>	<u>Units</u>
	<u>@5'</u>	<u>@5'</u>	<u>@5'</u>	<u>5'</u>	<u>5'</u>		
Analytes:	<u>1P</u>	<u>3P</u>	<u>7P</u>				
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Freon 113	ND	ND	ND	ND	ND	0.020	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.020	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.020	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.020	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.020	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Styrene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Tetrachloroethylene	ND	ND	ND	ND	0.24	0.020	ug/L
Toluene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-1</u> <u>@5'</u> <u>1P</u>	<u>SG-1</u> <u>@5'</u> <u>3P</u>	<u>SG-1</u> <u>@5'</u> <u>7P</u>	<u>SG-2@</u> <u>5'</u>	<u>SG-3@</u> <u>5'</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.020	ug/L
Xylenes	ND	ND	ND	ND	ND	0.020	ug/L
MTBE	ND	ND	ND	ND	ND	0.020	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.020	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.050	ug/L
Gasoline Range Organics	ND	ND	ND	ND	24.8	0.20	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	1.0	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	106%	97%	98%	89%	98%	60 - 140	
Toluene-d ₈	105%	98%	97%	91%	100%	60 - 140	
4-Bromofluorobenzene	99%	96%	90%	100%	98%	60 - 140	

ND = Not Detected



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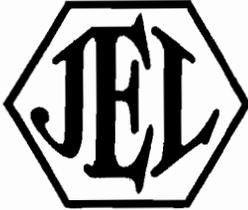
LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-4@</u> <u>5'</u>	<u>SG-5@</u> <u>5' 3P</u>	<u>SG-6@</u> <u>5'</u>	<u>SG-6@</u> <u>5'</u> <u>DUP</u>	<u>SG-5@</u> <u>5' 1P</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromoform	ND	ND	ND	ND	ND	0.020	ug/L
Bromomethane	ND	ND	ND	ND	ND	0.020	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.020	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Chloroform	ND	ND	ND	ND	ND	0.020	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.020	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.020	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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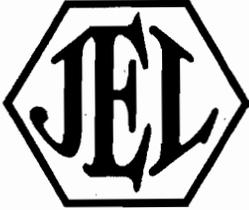
LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-4@</u> <u>5'</u>	<u>SG-5@</u> <u>5' 3P</u>	<u>SG-6@</u> <u>5'</u>	<u>SG-6@</u> <u>5'</u> <u>DUP</u>	<u>SG-5@</u> <u>5' 1P</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Freon 113	ND	ND	ND	ND	ND	0.020	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.020	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.020	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.020	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.020	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Styrene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Tetrachloroethylene	0.10	0.19	ND	ND	0.15	0.020	ug/L
Toluene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-4@</u> 5'	<u>SG-5@</u> 5' 3P	<u>SG-6@</u> 5'	<u>SG-6@</u> 5' DUP	<u>SG-5@</u> 5' 1P	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.020	ug/L
Xylenes	ND	ND	ND	ND	ND	0.020	ug/L
MTBE	ND	ND	ND	ND	ND	0.020	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.020	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.050	ug/L
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	1.0	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	91%	98%	97%	97%	102%	60 - 140	
Toluene-d ₈	89%	100%	95%	94%	102%	60 - 140	
4-Bromofluorobenzene	102%	92%	98%	101%	108%	60 - 140	

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-5'@</u> <u>5' 7P</u>	<u>SG-7@</u> <u>5'</u>	<u>SG-8@</u> <u>5'</u>	<u>SG-9@</u> <u>5'</u>	<u>SG-10@</u> <u>5'</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromoform	ND	ND	ND	ND	ND	0.020	ug/L
Bromomethane	ND	ND	ND	ND	ND	0.020	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.020	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Chloroform	ND	ND	ND	ND	ND	0.020	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.020	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.020	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-5'@</u> <u>5' 7P</u>	<u>SG-7@</u> <u>5'</u>	<u>SG-8@</u> <u>5'</u>	<u>SG-9@</u> <u>5'</u>	<u>SG-10@</u> <u>5'</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Freon 113	ND	ND	ND	ND	ND	0.020	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.020	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.020	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.020	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.020	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Styrene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Tetrachloroethylene	0.19	0.24	0.11	0.19	0.046	0.020	ug/L
Toluene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

**EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline**

<u>Sample ID:</u>	<u>SG-5'@</u> <u>5' 7P</u>	<u>SG-7@</u> <u>5'</u>	<u>SG-8@</u> <u>5'</u>	<u>SG-9@</u> <u>5'</u>	<u>SG-10@</u> <u>5'</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.020	ug/L
Xylenes	ND	ND	ND	ND	ND	0.020	ug/L
MTBE	ND	ND	ND	ND	ND	0.020	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.020	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.050	ug/L
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	1.0	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	95%	101%	98%	105%	83%	60 - 140	
Toluene-d ₈	94%	103%	90%	101%	96%	60 - 140	
4-Bromofluorobenzene	104%	106%	99%	110%	100%	60 - 140	

ND = Not Detected



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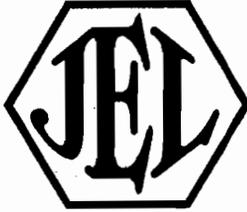
LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-11@</u> 5'	<u>SG-12@</u> 5'	<u>SG-13@</u> 5'	<u>SG-14@</u> 5'	<u>SG-15@</u> 5'	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromoform	ND	ND	ND	ND	ND	0.020	ug/L
Bromomethane	ND	ND	ND	ND	ND	0.020	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.020	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Chloroform	ND	ND	ND	ND	ND	0.020	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.020	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.020	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-11@</u> 5'	<u>SG-12@</u> 5'	<u>SG-13@</u> 5'	<u>SG-14@</u> 5'	<u>SG-15@</u> 5'	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Freon 113	ND	ND	ND	ND	ND	0.020	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.020	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.020	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.020	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.020	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Styrene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Tetrachloroethylene	ND	ND	ND	ND	ND	0.020	ug/L
Toluene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-11@</u> 5'	<u>SG-12@</u> 5'	<u>SG-13@</u> 5'	<u>SG-14@</u> 5'	<u>SG-15@</u> 5'	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.020	ug/L
Xylenes	ND	ND	ND	ND	ND	0.020	ug/L
MTBE	ND	ND	ND	ND	ND	0.020	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.020	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.050	ug/L
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	1.0	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	96%	97%	98%	96%	93%	60 - 140	
Toluene-d ₈	98%	96%	95%	96%	96%	60 - 140	
4-Bromofluorobenzene	98	101%	106%	100%	106%	60 - 140	

ND = Not Detected



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LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-16@</u> <u>5'</u>	<u>SG-17@</u> <u>5'</u>	<u>SG-18@</u> <u>5'</u>	<u>SG-19@</u> <u>5'</u>	<u>SG-20@</u> <u>5'</u>	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Bromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.020	ug/L
Bromoform	ND	ND	ND	ND	ND	0.020	ug/L
Bromomethane	ND	ND	ND	ND	ND	0.020	ug/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.020	ug/L
Chlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Chloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Chloroform	ND	ND	ND	ND	ND	0.020	ug/L
Chloromethane	ND	ND	ND	ND	ND	0.020	ug/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.020	ug/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.020	ug/L
Dibromomethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



Jones Environmental, Inc.

Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838
(714) 449-9937 • FAX (714) 449-9685

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates/ Volatile Hydrocarbons as Gasoline

<u>Sample ID:</u>	<u>SG-16@</u> 5'	<u>SG-17@</u> 5'	<u>SG-18@</u> 5'	<u>SG-19@</u> 5'	<u>SG-20@</u> 5'	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.020	ug/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,1-Dichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
Cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.020	ug/L
Ethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Freon 113	ND	ND	ND	ND	ND	0.020	ug/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.020	ug/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.020	ug/L
Methylene chloride	ND	ND	ND	ND	ND	0.020	ug/L
Naphthalene	ND	ND	ND	ND	ND	0.020	ug/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Styrene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Tetrachloroethylene	ND	ND	ND	0.60	ND	0.020	ug/L
Toluene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.020	ug/L
Trichloroethylene	ND	ND	ND	ND	ND	0.020	ug/L

ND = Not Detected



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JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

**EPA 8260B- Volatile Organics by GC/MS + Oxygenates/
Volatile Hydrocarbons as Gasoline**

<u>Sample ID:</u>	<u>SG-16@</u> 5'	<u>SG-17@</u> 5'	<u>SG-18@</u> 5'	<u>SG-19@</u> 5'	<u>SG-20@</u> 5'	<u>Practical</u> <u>Quantitation</u> <u>Limits</u>	<u>Units</u>
Analytes:							
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.020	ug/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.020	ug/L
Vinyl chloride	ND	ND	ND	ND	ND	0.020	ug/L
Xylenes	ND	ND	ND	ND	ND	0.020	ug/L
MTBE	ND	ND	ND	ND	ND	0.020	ug/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.020	ug/L
Di-isopropylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.020	ug/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.050	ug/L
Gasoline Range Organics	ND	ND	ND	26.1	ND	0.20	ug/L
TIC							
n-Propanol	ND	ND	ND	ND	ND	1.0	ug/L
Dilution Factor	1	1	1	1	1		
Surrogate Recovery :						QC Limits	
Dibromofluoromethane	93%	96%	94%	104%	90%	60 - 140	
Toluene-d ₈	90%	96%	78%	92%	92%	60 - 140	
4-Bromofluorobenzene	100%	110%	99%	110%	97%	60 - 140	

ND = Not Detected



Jones Environmental, Inc.

Testing Laboratories

P.O. Box 5387 • Fullerton, CA 92838
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JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client:	AMEC Earth & Environmental, Inc.	Report Date:	03/23/07
Client Address:	1290 N. Hancock Street, Suite 102 Anaheim, CA 92817	JEL Ref. No.:	B-4505
		Client Ref. No.:	6171002600
Attn:	Dennis Bohme	Date Sampled:	03/22/07
		Date Received:	03/22/07
Project:	OCFS-Miraloma Ave.	Date Analyzed:	03/22/07
Project Address:	3071 E. Miraloma Ave., Anaheim, CA	Physical State:	Soil Gas

EPA 8260B- Volatile Organics by GC/MS + Oxygenates

Sample Spiked: AMBIENT AIR

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	121%	118%	2.8%	60 - 140
Benzene	113%	114%	1.0%	60 - 140
Trichloroethylene	104%	104%	1.1%	60 - 140
Toluene	105%	108%	2.7%	60 - 140
Chlorobenzene	99%	111%	1.1%	60 - 140
Gasoline	108%	109%	0.1%	60 - 140

Sample Spiked: AMBIENT AIR

<u>Parameter</u>	<u>MS Recovery (%)</u>	<u>MSD Recovery (%)</u>	<u>RPD</u>	<u>Acceptability Range (%)</u>
1,1-Dichloroethylene	96%	91%	5.7%	60 - 140
Benzene	94%	90%	4.0%	60 - 140
Trichloroethylene	90%	87%	3.7%	60 - 140
Toluene	97%	96%	1.4%	60 - 140
Chlorobenzene	104%	96%	8.7%	60 - 140
Gasoline	96%	92%	4.7%	60 - 140

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Chain-of-Custody Record

Client AMEC
Project Name OCS - MINAXIMA
Project Address 3071 E. MINAXIMA ST.
Project Contact ANASTASIN, CA

Date 3/22/07
Client Project #

Turn Around Requested:
 Immediate Attention
 Rush 24-48 Hours
 Rush 72-96 Hours
 Normal
 Mobile Lab

JEL Project # B-4505
Page 1 **of** 3
Lab Use Only
 Sample Condition as Received:
 Chilled yes no
 Sealed yes no

Sample ID	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix			Analysis Requested	Number of Containers	Remarks/Special Instructions
					Soil (S)	Sludge (SL)	Aqueous (A)			
SG-105	1P Purge Volume	3/22/07	08:21	B-4505-1	X	X	X		1	6 Cans Gas Tight Sealed
SG-105	3P Purge Volume	3/22/07	08:43	B-4505-2	X	X	X		1	
SG-105	7P Purge Volume	3/22/07	09:03	B-4505-3	X	X	X		1	
SG-205	3P Purge Volume	3/22/07	09:20	B-4505-4	X	X	X		1	
SG-305	" "	3/22/07	09:31	B-4505-5	X	X	X		1	
SG-405	" "	3/22/07	09:43	B-4505-6	X	X	X		1	
SG-505	3P	3/22/07	09:53	B-4505-7	X	X	X		1	
SG-605	" "	3/22/07	10:02	B-4505-8	X	X	X		1	
SG-605	DWP	3/22/07	10:03	B-4505-9	X	X	X		1	PURGE RATE ~ 200cc/min
SG-505	1P	3/22/07	10:33	B-4505-10	X	X	X		1	THRESHOLD - N-PURGE

1 Relinquished by (signature) *Mimi M. Bohm* Date 3/22/07 Time 14:30
 Company AMEC

2 Received by (signature) *[Signature]* Date 3/22/07 Time 14:30
 Company

3 Relinquished by (signature) *AMEC* Date 14:30
 Company

4 Received by Laboratory (signature) *JEL* Date 14:30
 Company

Total Number of Containers

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Chain-of-Custody Record

Client: AMEC
Project Name: OCFS - Miraloma
Project Address: 3071 E. Miraloma St
Project Contact: Anaheim, CA

Date: 3/22/07
Client Project #:

Turn Around Requested:
 Immediate Attention
 Rush 24-48 Hours
 Rush 72-96 Hours
 Normal
 Mobile Lab

JEL Project #: B-4505
Page: 2 **of** 2
Lab Use Only
 Sample Condition as Received:
 Chilled yes no
 Sealed yes no

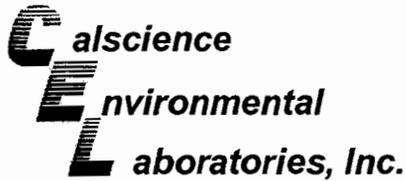
Sample ID	Discussion	Date	Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested	Number of Containers	Remarks/Special Instructions	Received by (signature)		Relinquished by (signature)	
									Date	Time	Date	Time
SG-505	7 pumps	3/22/07	10:52	B-4505-11	X	TPH CASDWAVE RANGE	1	GLASS GAS TIGHT SURINGS	3/22/07		3/22/07	
SG-705	3 pumps	3/22/07	11:13	B-4505-12	X		1					
SG-805	" "	3/22/07	11:16	B-4505-13	X		1					
SG-905	" "	3/22/07	11:30	B-4505-14	X		1					
SG-1005	" "	3/22/07	11:35	B-4505-15	X		1					
SG-1105	" "	3/22/07	11:54	B-4505-16	X		1					
SG-1205	" "	3/22/07	12:13	B-4505-17	X		1					
SG-1305	" "	3/22/07	12:19	B-4505-18	X		1					
SG-1405	" "	3/22/07	12:31	B-4505-19	X		1					
SG-1505	" "	3/22/07	12:37	B-4505-20	X		1					
									Received by (signature): <i>[Signature]</i>		Date: 3/22/07	
									Company: AMEL		Time: 14:30	
									Received by (signature): <i>[Signature]</i>		Date: 3/22/07	
									Company: AMEL		Time: 14:30	
									Received by (signature): <i>[Signature]</i>		Date: 3/22/07	
									Company: AMEL		Time: 14:30	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

Total Number of Containers:

APPENDIX F

**Laboratory Analytical Reports,
Soil Samples (Hollow-Stem Auger)**



April 05, 2007

Dennis Bohme
AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Subject: **Calscience Work Order No.: 07-03-1947**
Client Reference: **OCFS / 6171002600**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/30/2007 and analyzed in accordance with the attached chain-of-custody.

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

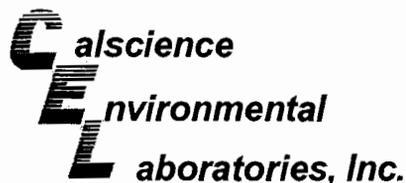
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Stearns", written over a horizontal line.

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

A handwritten signature in black ink, appearing to read "M. Bohme", written over a horizontal line.



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

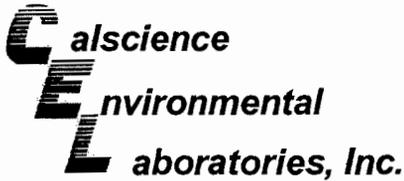
Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: OCFS / 6171002600

Page 1 of 8

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID		
HS-1/75	07-03-1947-8	03/29/07	Solid	GC 15	03/30/07	03/30/07	070330B07		
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>					
Decachlorobiphenyl	123	61-145							
HS-1/80	07-03-1947-9	03/29/07	Solid	GC 15	03/30/07	03/30/07	070330B07		
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	0.090		1		C7-C44 Total	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>					
Decachlorobiphenyl	105	61-145							
HS-2/20	07-03-1947-10	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07		
<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	0.28		1		C7-C44 Total	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>					
Decachlorobiphenyl	110	61-145							

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: OCFS / 6171002600

Page 2 of 8

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/25'	07-03-1947-11	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	2.1		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	112	61-145							

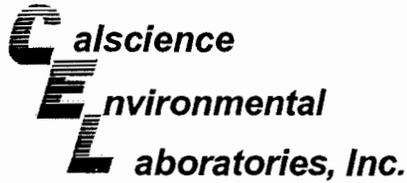
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/30'	07-03-1947-12	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	109	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/35'	07-03-1947-13	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	103	61-145							

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



Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 3550B
 Method: EPA 8015B (M)
 Units: mg/kg

Project: OCFS / 6171002600

Page 3 of 8

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/40	07-03-1947-14	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	107	61-145							

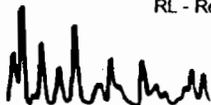
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/45	07-03-1947-15	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

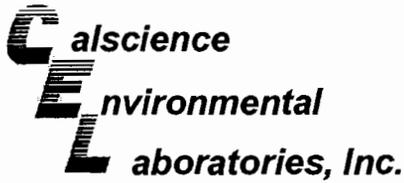
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	107	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/50	07-03-1947-16	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	0.11		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	101	61-145							

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





Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/55	07-03-1947-17	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	102	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/60	07-03-1947-18	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.20		1	
C8	ND		1		C23-C24	0.0075		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	0.36		1		C33-C36	ND		1	
C15-C16	0.58		1		C37-C40	ND		1	
C17-C18	0.73		1		C41-C44	ND		1	
C19-C20	0.28		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	106	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/65	07-03-1947-19	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	110	61-145							

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 3550B
 Method: EPA 8015B (M)
 Units: mg/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-270'	07-03-1947-20	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	0.069		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	102	61-145							

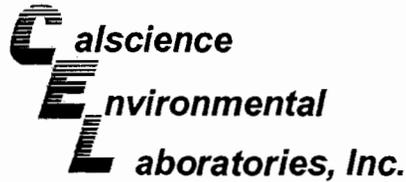
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-275'	07-03-1947-21	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	0.14		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	0.10		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	104	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-280'	07-03-1947-22	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	0.17		1		C41-C44	ND		1	
C19-C20	0.15		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	99	61-145							

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/85'	07-03-1947-23	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

subse zone

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	0.024		1		C41-C44	ND		1	
C19-C20	0.15		1		C7-C44 Total	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>					
Decachlorobiphenyl	105	61-145							

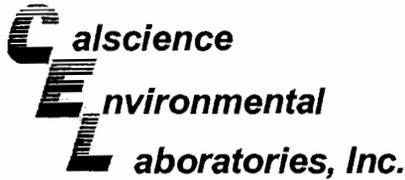
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3/75'	07-03-1947-31	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>					
Decachlorobiphenyl	105	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3/80'	07-03-1947-32	03/29/07	Solid	GC 15	03/30/07	03/31/07	070330B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>					
Decachlorobiphenyl	99	61-145							

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3/85	07-03-1947-33	03/29/07	Solid	GC 15	03/30/07	04/02/07	070330B07

valdise Zone

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	11		1	
C8	ND		1		C23-C24	2.2		1	
C9-C10	ND		1		C25-C28	4.6		1	
C11-C12	ND		1		C29-C32	1.8		1	
C13-C14	0.29		1		C33-C36	1.0		1	
C15-C16	0.87		1		C37-C40	0.0022		1	
C17-C18	0.79		1		C41-C44	ND		1	
C19-C20	4.5		1		C7-C44 Total	27	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	104	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4/80	07-03-1947-42	03/30/07	Solid	GC 15	03/30/07	03/31/07	070330B07

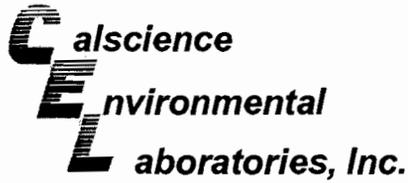
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	0.17		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	0.15		1		C41-C44	ND		1	
C19-C20	0.35		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	99	61-145							

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4/85	07-03-1947-43	03/30/07	Solid	GC 3	03/30/07	03/30/07	070330B01

valdise

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C21-C22	ND		1	
C8	ND		1		C23-C24	ND		1	
C9-C10	ND		1		C25-C28	ND		1	
C11-C12	ND		1		C29-C32	ND		1	
C13-C14	ND		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	92	61-145							

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4/85DUP	07-03-1947-44	03/30/07	Solid	GC 3	03/30/07	03/30/07	070330B01

Vadose

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	0.032		1		C21-C22	ND		1	
C8	0.036		1		C23-C24	ND		1	
C9-C10	0.27		1		C25-C28	ND		1	
C11-C12	0.22		1		C29-C32	ND		1	
C13-C14	0.17		1		C33-C36	ND		1	
C15-C16	ND		1		C37-C40	ND		1	
C17-C18	ND		1		C41-C44	ND		1	
C19-C20	ND		1		C7-C44 Total	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual					
Decachlorobiphenyl	96	61-145							

Method Blank	099-12-275-533	N/A	Solid	GC 3	03/30/07	03/30/07	070330B01
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Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	95	61-145		

Method Blank	099-12-275-550	N/A	Solid	GC 15	03/30/07	03/30/07	070330B07
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Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	105	61-145		

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-175	07-03-1947-8	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	116	73-139		1,2-Dichloroethane-d4	126	73-145			
Toluene-d8	97	90-108		1,4-Bromofluorobenzene	87	71-113			

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

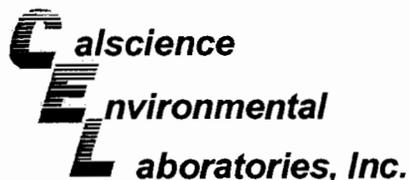
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-1/80'	07-03-1947-9	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
Dibromofluoromethane	118	73-139			1,2-Dichloroethane-d4	128	73-145		
Toluene-d8	98	90-108			1,4-Bromofluorobenzene	89	71-113		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/20'	07-03-1947-10	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		
Dibromofluoromethane	114	73-139		1,2-Dichloroethane-d4	123	73-145			
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	88	71-113			

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

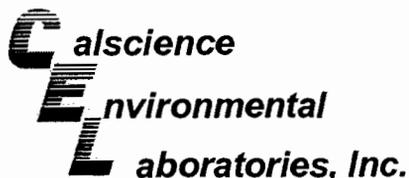
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/25	07-03-1947-11	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	122	73-139		1,2-Dichloroethane-d4	134	73-145			
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	89	71-113			

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

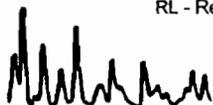
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/30'	07-03-1947-12	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	124	73-139		1,2-Dichloroethane-d4	133	73-145			
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	89	71-113			

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



Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/35	07-03-1947-13	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	73-139			1,2-Dichloroethane-d4	125	73-145		
Toluene-d8	101	90-108			1,4-Bromofluorobenzene	90	71-113		

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/40	07-03-1947-14	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	118	73-139			1,2-Dichloroethane-d4	128	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	87	71-113		

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/45	07-03-1947-15	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	119	73-139		1,2-Dichloroethane-d4	126	73-145			
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	87	71-113			

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

Analytical Report


 AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

 Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/50'	07-03-1947-16	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	131	73-139		1,2-Dichloroethane-d4	139	73-145			
Toluene-d8	100	90-108		1,4-Bromofluorobenzene	88	71-113			

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

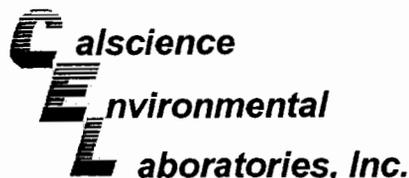
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/55	07-03-1947-17	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	125	73-139			1,2-Dichloroethane-d4	137	73-145		
Toluene-d8	99	90-108			1,4-Bromofluorobenzene	88	71-113		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/65	07-03-1947-19	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
Dibromofluoromethane	129	73-139			1,2-Dichloroethane-d4	138	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	87	71-113		

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

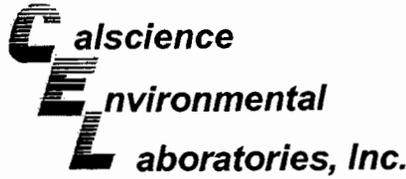
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-270	07-03-1947-20	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	123	73-139			1,2-Dichloroethane-d4	134	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	87	71-113		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

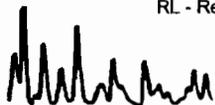
Project: OCFS / 6171002600

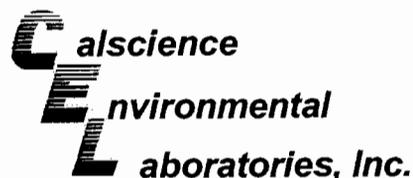
Page 13 of 25

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-270	07-03-1947-20	03/29/07	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	123	73-139			1,2-Dichloroethane-d4	134	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	87	71-113		

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





Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

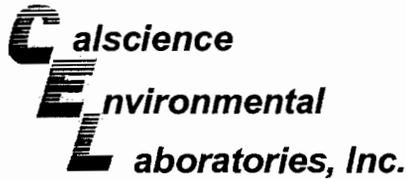
Project: OCFS / 6171002600

Page 14 of 25

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/75	07-03-1947-21	03/29/07	Solid	GC/MS JJ	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		
Dibromofluoromethane	103	73-139		1,2-Dichloroethane-d4	102	73-145			
Toluene-d8	99	90-108		1,4-Bromofluorobenzene	92	71-113			

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

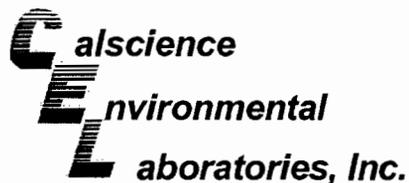
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/80	07-03-1947-22	03/29/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoforn	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	111	73-139			1,2-Dichloroethane-d4	113	73-145		
Toluene-d8	101	90-108			1,4-Bromofluorobenzene	88	71-113		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

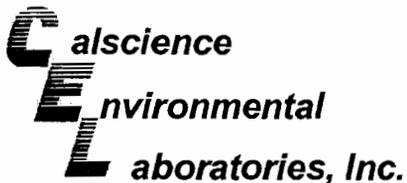
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2/85*	07-03-1947-23	03/29/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromofom	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	110	73-139			1,2-Dichloroethane-d4	115	73-145		
Toluene-d8	102	90-108			1,4-Bromofluorobenzene	89	71-113		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

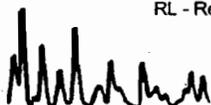
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3/80	07-03-1947-32	03/29/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	115	73-139			1,2-Dichloroethane-d4	116	73-145		
Toluene-d8	101	90-108			1,4-Bromofluorobenzene	87	71-113		

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



Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3/85	07-03-1947-33	03/29/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	116	73-139			1,2-Dichloroethane-d4	120	73-145		
Toluene-d8	100	90-108			1,4-Bromofluorobenzene	88	71-113		

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

Analytical Report



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 Anaheim, CA 92807-1986

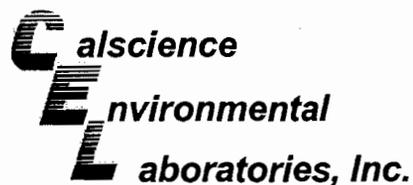
Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID		
HS-4/80	07-03-1947-42	03/30/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03		
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	118	73-139		1,2-Dichloroethane-d4	122	73-145			
Toluene-d8	101	90-108		1,4-Bromofluorobenzene	87	71-113			

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4/85	07-03-1947-43	03/30/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	114	73-139			1,2-Dichloroethane-d4	121	73-145		
Toluene-d8	103	90-108			1,4-Bromofluorobenzene	88	71-113		

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/kg

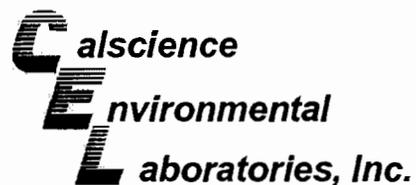
Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4/85DUP	07-03-1947-44	03/30/07	Solid	GC/MS JJ	04/02/07	04/03/07	070402L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	
Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual		
Dibromofluoromethane	117	73-139		1,2-Dichloroethane-d4	125	73-145			
Toluene-d8	101	90-108		1,4-Bromofluorobenzene	89	71-113			

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



Quality Control - Spike/Spike Duplicate



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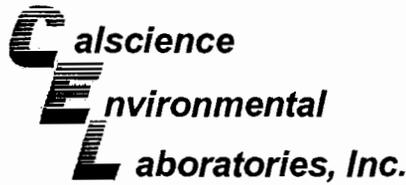
Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HS-175	Solid	GC 15	03/30/07	03/30/07	070330S07

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	105	92	64-130	13	0-15	

RPD - Relative Percent Difference , CL - Control Limit



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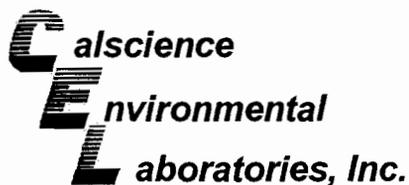
Date Received: 03/30/07
 Work Order No: 07-03-1947
 Preparation: EPA 5030B
 Method: EPA 8260B

Project OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HS-175	Solid	GC/MS W	04/02/07	04/02/07	070402S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	101	79-115	3	0-13	
Carbon Tetrachloride	99	103	55-139	4	0-15	
Chlorobenzene	101	99	79-115	2	0-17	
1,2-Dichlorobenzene	100	99	63-123	2	0-23	
1,1-Dichloroethene	112	115	69-123	3	0-16	
Toluene	105	103	79-115	2	0-15	
Trichloroethene	103	101	66-144	1	0-14	
Vinyl Chloride	106	104	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	95	95	68-128	0	0-14	
Tert-Butyl Alcohol (TBA)	112	117	44-134	5	0-37	
Diisopropyl Ether (DIPE)	115	113	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	98	100	75-117	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	101	79-115	1	0-12	
Ethanol	130	131	42-138	1	0-28	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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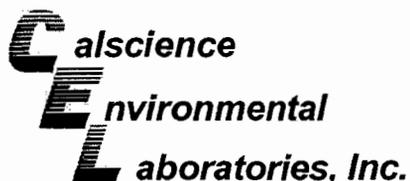
Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B

Project OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-03-1921-22	Solid	GC/MS JJ	04/02/07	04/03/07	070402S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	93	79-115	0	0-13	
Carbon Tetrachloride	98	100	55-139	2	0-15	
Chlorobenzene	91	93	79-115	2	0-17	
1,2-Dichlorobenzene	87	89	63-123	1	0-23	
1,1-Dichloroethene	90	92	69-123	2	0-16	
Toluene	95	95	79-115	0	0-15	
Trichloroethene	107	104	66-144	3	0-14	
Vinyl Chloride	96	97	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	92	96	68-128	3	0-14	
Tert-Butyl Alcohol (TBA)	90	92	44-134	2	0-37	
Diisopropyl Ether (DIPE)	88	91	75-123	3	0-12	
Ethyl-t-Butyl Ether (ETBE)	89	94	75-117	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	97	79-115	1	0-12	
Ethanol	90	83	42-138	8	0-28	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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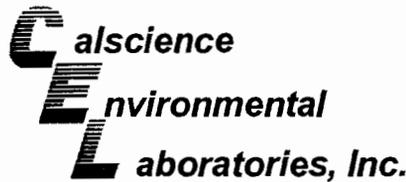
Date Received: 03/30/07
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B

Project OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HS-275	Solid	GC/MS JJ	04/03/07	04/03/07	070403S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	95	79-115	1	0-13	
Carbon Tetrachloride	100	101	55-139	1	0-15	
Chlorobenzene	97	97	79-115	1	0-17	
1,2-Dichlorobenzene	94	95	63-123	1	0-23	
1,1-Dichloroethene	96	95	69-123	1	0-16	
Toluene	99	98	79-115	1	0-15	
Trichloroethene	97	96	66-144	0	0-14	
Vinyl Chloride	103	103	60-126	1	0-14	
Methyl-t-Butyl Ether (MTBE)	99	99	68-128	1	0-14	
Tert-Butyl Alcohol (TBA)	105	100	44-134	5	0-37	
Diisopropyl Ether (DIPE)	94	94	75-123	0	0-12	
Ethyl-t-Butyl Ether (ETBE)	97	98	75-117	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	102	101	79-115	0	0-12	
Ethanol	96	92	42-138	4	0-28	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

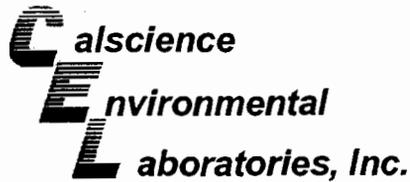
Date Received: N/A
 Work Order No: 07-03-1947
 Preparation: EPA 3550B
 Method: EPA 8015B (M)

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-533	Solid	GC 3	03/30/07	03/30/07	070330B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	86	93	75-123	7	0-12	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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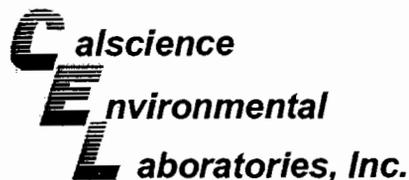
Date Received: N/A
 Work Order No: 07-03-1947
 Preparation: EPA 3550B
 Method: EPA 8015B (M)

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-550	Solid	GC 15	03/30/07	03/30/07	070330B07

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	102	103	75-123	1	0-12	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

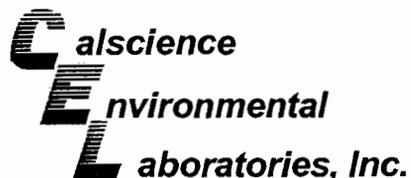
Date Received: N/A
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-13,708	Solid	GC/MS W	04/02/07	04/02/07	070402L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	103	84-114	2	0-7	
Carbon Tetrachloride	110	117	66-132	6	0-12	
Chlorobenzene	98	100	87-111	2	0-7	
1,2-Dichlorobenzene	98	99	79-115	1	0-8	
1,1-Dichloroethene	108	111	73-121	3	0-12	
Toluene	100	101	78-114	2	0-7	
Trichloroethene	102	104	84-114	2	0-8	
Vinyl Chloride	101	104	63-129	3	0-15	
Methyl-t-Butyl Ether (MTBE)	117	122	77-125	4	0-11	
Tert-Butyl Alcohol (TBA)	108	122	47-137	12	0-27	
Diisopropyl Ether (DIPE)	115	119	76-130	3	0-8	
Ethyl-t-Butyl Ether (ETBE)	111	116	76-124	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	110	113	82-118	3	0-11	
Ethanol	102	97	59-131	5	0-21	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC - Anaheim
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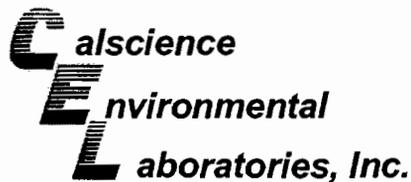
Date Received: N/A
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-13,716	Solid	GC/MS JJ	04/02/07	04/02/07	070402L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	95	84-114	0	0-7	
Carbon Tetrachloride	100	99	66-132	1	0-12	
Chlorobenzene	96	96	87-111	1	0-7	
1,2-Dichlorobenzene	91	92	79-115	1	0-8	
1,1-Dichloroethene	91	89	73-121	2	0-12	
Toluene	98	97	78-114	0	0-7	
Trichloroethene	96	96	84-114	0	0-8	
Vinyl Chloride	97	93	63-129	5	0-15	
Methyl-t-Butyl Ether (MTBE)	102	98	77-125	5	0-11	
Tert-Butyl Alcohol (TBA)	97	89	47-137	9	0-27	
Diisopropyl Ether (DIPE)	96	95	76-130	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	98	96	76-124	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	103	82-118	0	0-11	
Ethanol	90	85	59-131	6	0-21	

RPD - Relative Percent Difference, CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: N/A
Work Order No: 07-03-1947
Preparation: EPA 5030B
Method: EPA 8260B

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-13.718	Solid	GC/MS JJ	04/03/07	04/03/07	070403L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	94	84-114	0	0-7	
Carbon Tetrachloride	99	97	66-132	2	0-12	
Chlorobenzene	98	96	87-111	1	0-7	
1,2-Dichlorobenzene	98	96	79-115	2	0-8	
1,1-Dichloroethene	92	92	73-121	0	0-12	
Toluene	97	97	78-114	0	0-7	
Trichloroethene	95	96	84-114	1	0-8	
Vinyl Chloride	97	98	63-129	0	0-15	
Methyl-t-Butyl Ether (MTBE)	100	99	77-125	2	0-11	
Tert-Butyl Alcohol (TBA)	100	96	47-137	4	0-27	
Diisopropyl Ether (DIPE)	95	95	76-130	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	98	98	76-124	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	102	82-118	1	0-11	
Ethanol	89	97	59-131	9	0-21	

RPD - Relative Percent Difference, CL - Control Limit



Work Order Number: 07-03-1947

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCEINCE ENVIRONMENTAL LABORATORIES, INC.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 3/30/07
Page 1 of 5

LABORATORY CLIENT: AMEC Earth & Environmental, Inc.
ADDRESS: 1290 N. Hancock St. Ste 102 STATE _____ ZIP _____
CITY: Anaheim, CA 92807
TEL: 714-779-2591 E-MAIL: dennis.bohme@amec.com
TURNAROUND TIME: SAME DAY 24 HR 48 HR 72 HR 5 DAYS 10 DAYS
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWOCB REPORTING FORMS COELT EDF

CLIENT PROJECT NAME / NUMBER: OCSF/6171002600
PROJECT CONTACT: Dennis Bohme
SAMPLER(S): (SIGNATURE) DB/LT
COELT LOG CODE
LAB USE ONLY: 3 7 9 7 7
COOLER RECEIPT: _____
TEMP = _____ °C

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (G) or TPH (D)	BTEX / MTBE (8260B) or OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	Carbon Chain 6-14
			DATE	TIME														
	HS-1/40'		3/29/07	0810	Soil	1												Hold
	HS-1/45'			0815		1												Hold
	HS-1/50'			0820		1												Hold
	HS-1/55'			0825		1												Hold
	HS-1/60'			0830		1												Hold
	HS-1/65'			0835		1												Hold
	HS-1/70'			0840		1												Hold
	HS-1/75'			0845		1			✓									✓
	HS-1/80'			0850		1			✓									✓
	HS-2/20'			1200		1			✓									✓

Requested Analyses:

Requested by: (Signature) [Signature] Date: 3/20/07 Time: 10:50
 Received by: (Signature) [Signature] Date: _____ Time: _____
 Relinquished by: (Signature) _____ Date: _____ Time: _____
 Relinquished by: (Signature) _____ Date: _____ Time: _____

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
 7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1427
 TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD
 Date 3/30/07
 Page 3 of 5

LABORATORY CLIENT: ARNEC Earth & Environmental, Inc.
 ADDRESS: 1290 N. Hancock St Ste 102 STATE CA ZIP 92807
 CITY: Anaheim
 TEL: 714 779-2591 E-MAIL: dennis.bohme@arnec.com
 TURNAROUND TIME: SAME DAY 24 HR 48 HR 72 HR 10 DAYS
 SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF

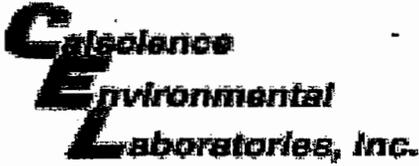
CLIENT PROJECT NAME / NUMBER: OCFs / 6171002600
 PROJECT CONTACT: Dennis Bohme
 SAMPLER(S): (PRINT) DB/LT
 COELT LOG CODE
 LAB USE ONLY: 0 3 7 9 4 7
 COOLER RECEIPT: _____
 TEMP = _____ °C

REQUESTED ANALYSES

TPH (G) or TPH (D)	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCS (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)
✓	✓	✓								✓
										✓
										✓
										Hold
										Hold
										Hold
										Hold
										Hold
										Hold
										Hold

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.
			DATE	TIME		
21	HS-2/75'		3/29/07	1315	soil	1
22	HS-2/80'			1320		1
23	HS-2/85'			1325		1
24	HS-3/40'			1520		1
25	HS-3/45'			1525		1
26	HS-3/50'			1530		1
27	HS-3/55'			1535		1
28	HS-3/60'			1540		1
29	HS-3/65'			1545		1
30	HS-3/70'			1550		1

Received by: (Signature) [Signature] Date: 3/30/07 Time: 10:50
 Received by: (Signature/Affiliation) [Signature] Date: _____ Time: _____
 Received by: (Signature) _____ Date: _____ Time: _____
 Received by: (Signature/Affiliation) _____ Date: _____ Time: _____



WORK ORDER #: 07 - 03 - 1947

Cooler 1 of 2

SAMPLE RECEIPT FORM

CLIENT: AMEC

DATE: 03.30.07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

- C Temperature blank.
8.0 C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact):

Not Present: [Signature]
Initial: [Signature]

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

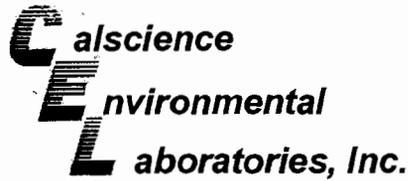
Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.

APPENDIX G

**Laboratory Analytical Reports
Groundwater Samples
(Hollow Stem Auger)**



April 06, 2007

Dennis Bohme
AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Subject: **Calscience Work Order No.:** 07-03-1946
Client Reference: OCFS / 6171002600

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/30/2007 and analyzed in accordance with the attached chain-of-custody.

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

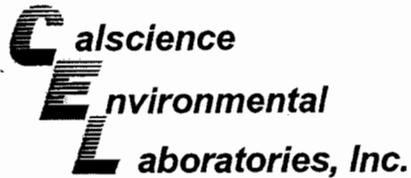
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Stearns", written over a horizontal line.

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

A handwritten signature in black ink, appearing to read "M. Bohme", written over a horizontal line.



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: OCFS / 6171002600

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-1	07-03-1946-1	03/29/07	Aqueous	GC 22	03/30/07	03/31/07	070330B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	91	38-134			

HS-2	07-03-1946-2	03/29/07	Aqueous	GC 22	03/30/07	03/31/07	070330B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	93	38-134			

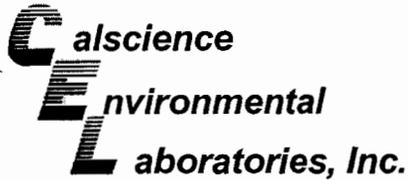
HS-2-DUP	07-03-1946-3	03/29/07	Aqueous	GC 22	03/30/07	03/31/07	070330B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	38-134			

HS-3	07-03-1946-4	03/29/07	Aqueous	GC 22	03/30/07	03/31/07	070330B02
------	--------------	----------	---------	-------	----------	----------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	90	38-134			

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: OCFS / 6171002600

Page 2 of 2

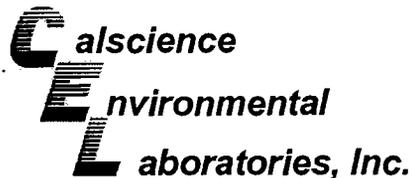
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4	07-03-1946-5	03/30/07	Aqueous	GC 22	03/30/07	03/31/07	070330B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

Method Blank	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
	099-12-247-510	N/A	Aqueous	GC 22	03/30/07	03/31/07	070330B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	89	38-134			

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: OCFS / 6171002600

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-1	07-03-1946-1	03/29/07	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	2700	500	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	121	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2	07-03-1946-2	03/29/07	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	1400	500	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	123	68-140			

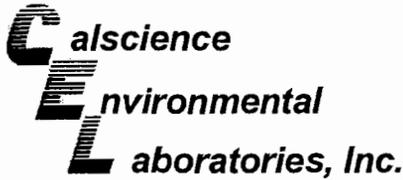
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2-DUP	07-03-1946-3	03/29/07	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	1200	500	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	115	68-140			

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3	07-03-1946-4	03/29/07	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	1500	500	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	140	68-140			

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



Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1946
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: OCFS / 6171002600

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4	07-03-1946-5	03/30/07	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	580	500	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	104	68-140			

Method Blank	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
	099-12-308-229	N/A	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	500	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	101	68-140			

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1946
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

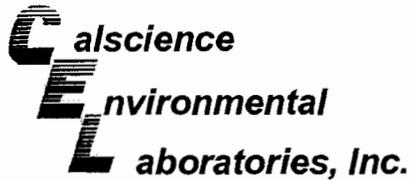
Project: OCFS / 6171002600

Page 1 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-1	07-03-1946-1	03/29/07	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	117	74-140			1,2-Dichloroethane-d4	122	74-146		
Toluene-d8	106	88-112			1,4-Bromofluorobenzene	102	74-110		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

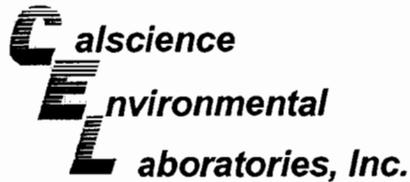
Project: OCFS / 6171002600

Page 2 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2	07-03-1946-2	03/29/07	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	111	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	107	88-112			1,4-Bromofluorobenzene	102	74-110		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: OCFS / 6171002600

Page 3 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-2-DUP	07-03-1946-3	03/29/07	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	113	74-140			1,2-Dichloroethane-d4	116	74-146		
Toluene-d8	108	88-112			1,4-Bromofluorobenzene	102	74-110		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

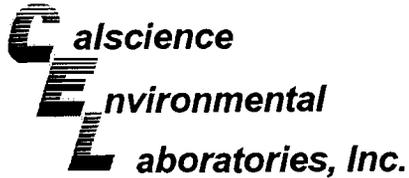
Project: OCFS / 6171002600

Page 4 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-3	07-03-1946-4	03/29/07	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	74-140			1,2-Dichloroethane-d4	115	74-146		
Toluene-d8	108	88-112			1,4-Bromofluorobenzene	101	74-110		

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: OCFS / 6171002600

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
HS-4	07-03-1946-5	03/30/07	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	109	74-146			
Toluene-d8	107	88-112		1,4-Bromofluorobenzene	99	74-110			

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

Analytical Report



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

Date Received: 03/30/07
 Work Order No: 07-03-1946
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

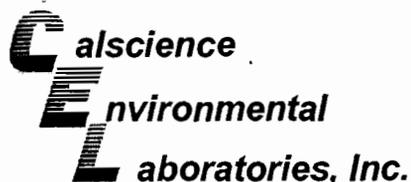
Project: OCFS / 6171002600

Page 6 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-006-20,888	N/A	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	1.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	115	74-146			
Toluene-d8	107	88-112		1,4-Bromofluorobenzene	101	74-110			

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



Analytical Report



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: 03/30/07
Work Order No: 07-03-1946

Project: OCFS / 6171002600

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix
HS-2	07-03-1946-2	03/29/07	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	970	1.0	1		umhos/cm	N/A	03/30/07	EPA 120.1
Hardness, Total	1300	4.0	2		mg/L	N/A	04/03/07	EPA 130.2
pH	7.35	0.01	1		pH units	N/A	03/30/07	EPA 150.1
Solids, Total Dissolved	590	1.0	1		mg/L	N/A	04/02/07	EPA 160.1
Alkalinity, Total (as CaCO3)	212	5.0	1		mg/L	N/A	04/03/07	SM 2320B

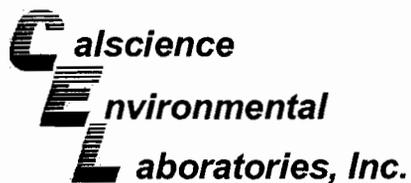
HS-3	07-03-1946-4	03/29/07	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Specific Conductance	1000	10	1		umhos/cm	N/A	03/30/07	EPA 120.1
Hardness, Total	1200	4.0	2		mg/L	N/A	04/03/07	EPA 130.2
pH	7.29	0.01	1		pH units	N/A	03/30/07	EPA 150.1
Solids, Total Dissolved	573	1.0	1		mg/L	N/A	04/02/07	EPA 160.1
Alkalinity, Total (as CaCO3)	206	5.0	1		mg/L	N/A	04/03/07	SM 2320B

Method Blank					N/A			Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Hardness, Total	ND	2.0	1		mg/L	N/A	04/03/07	EPA 130.2
Solids, Total Dissolved	ND	1.0	1		mg/L	N/A	04/02/07	EPA 160.1
Alkalinity, Total (as CaCO3)	ND	1.0	1		mg/L	N/A	04/03/07	SM 2320B

RL - Reporting Limit DF - Dilution Factor Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

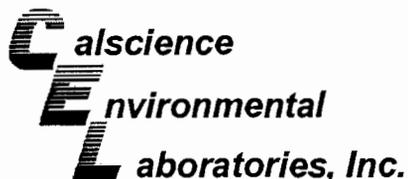
Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
HS-1	Aqueous	GC 22	03/30/07	03/31/07	070330S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	102	101	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

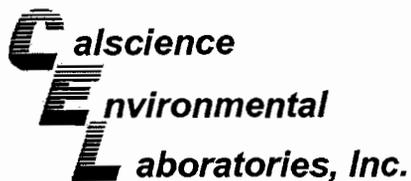
Date Received: 03/30/07
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8260B

Project OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-03-1910-9	Aqueous	GC/MS U	04/03/07	04/03/07	070403S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	112	88-118	2	0-7	
Carbon Tetrachloride	112	114	67-145	2	0-11	
Chlorobenzene	110	111	88-118	2	0-7	
1,2-Dichlorobenzene	110	112	86-116	2	0-8	
1,1-Dichloroethene	109	108	70-130	1	0-25	
Toluene	108	109	87-123	1	0-8	
Trichloroethene	112	112	79-127	0	0-10	
Vinyl Chloride	102	106	69-129	4	0-13	
Methyl-t-Butyl Ether (MTBE)	109	113	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	109	120	36-168	10	0-45	
Diisopropyl Ether (DIPE)	108	111	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	107	110	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	109	111	72-126	1	0-12	
Ethanol	107	113	53-149	5	0-31	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Duplicate



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received:
Work Order No:

N/A
07-03-1946

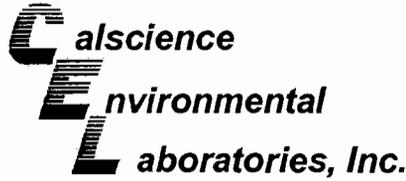
Project: OCFS / 6171002600

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
pH	EPA 150.1	07-03-1944-2	03/30/07	9.61	9.61	0	0-25	
Hardness, Total	EPA 130.2	07-03-1837-1	04/03/07	860	860	0	0-25	
Specific Conductance	EPA 120.1	07-03-2003-10	03/30/07	9200	9200	0	0-25	
Alkalinity, Total (as CaCO ₃)	SM 2320B	07-03-2003-10	04/03/07	502	508	1	0-25	
Bicarbonate (as CaCO ₃)	SM 2320B	07-03-2003-10	04/03/07	502	508	1	0-25	
Carbonate (as CaCO ₃)	SM 2320B	07-03-2003-10	04/03/07	ND	ND	NA	0-25	
Hydroxide (as CaCO ₃)	SM 2320B	07-03-2003-10	04/03/07	ND	ND	NA	0-25	
Solids, Total Dissolved	EPA 160.1	07-03-2003-10	04/02/07	7740	7580	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Quality Control - LCS/LCS Duplicate



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

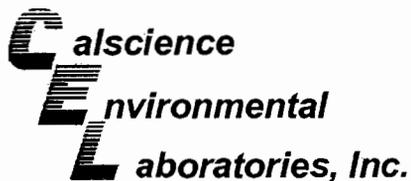
Date Received: N/A
 Work Order No: 07-03-1946
 Preparation: EPA 5030B
 Method: EPA 8015B (M)

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-510	Aqueous	GC 22	03/30/07	03/31/07	070330B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	107	106	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC - Anaheim
 1290 N. Hancock Street, Suite 102
 Anaheim, CA 92807-1986

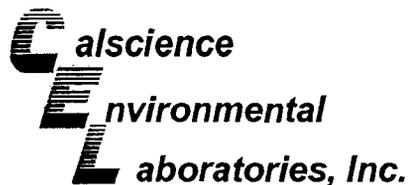
Date Received: N/A
 Work Order No: 07-03-1946
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-229	Aqueous	GC 23	03/30/07	04/03/07	070330B10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	101	99	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



AMEC - Anaheim
1290 N. Hancock Street, Suite 102
Anaheim, CA 92807-1986

Date Received: N/A
Work Order No: 07-03-1946
Preparation: EPA 5030B
Method: EPA 8260B

Project: OCFS / 6171002600

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-20,888	Aqueous	GC/MS U	04/03/07	04/03/07	070403L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	108	84-120	2	0-8	
Carbon Tetrachloride	114	111	63-147	2	0-10	
Chlorobenzene	110	107	89-119	3	0-7	
1,2-Dichlorobenzene	111	110	89-119	1	0-9	
1,1-Dichloroethene	112	112	77-125	0	0-16	
Toluene	109	107	83-125	2	0-9	
Trichloroethene	110	110	89-119	0	0-8	
Vinyl Chloride	106	105	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	109	111	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	106	114	46-154	7	0-32	
Diisopropyl Ether (DIPE)	110	109	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	110	110	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	111	111	76-124	0	0-10	
Ethanol	106	105	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 07-03-1946

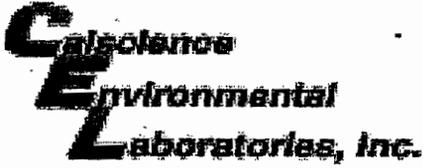
<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CHAIN OF CUSTODY RECORD

Date 3/30/07
 Page 1 of 1

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
 7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1427
 TEL: (714) 895-5494 • FAX: (714) 894-7501

LABORATORY CLIENT: <i>Armed Earth & Environmental</i>		CLIENT PROJECT NAME / NUMBER: <i>OERS/6171002600</i>		P.O. NO.:																			
ADDRESS: <i>1290 N Hancock St. Ste 102</i>		PROJECT CONTACT: <i>Dennis Bohme</i>		LAB USE ONLY <input type="checkbox"/> 3 - <input type="checkbox"/> 4																			
CITY: <i>Anaheim, CA</i>		SAMPLER(S): (PRINT) <i>LT / DB</i>		COOLER RECEIPT TEMP = _____ °C																			
TEL: <i>714 729-2591</i>		E-MAIL: <i>dennis.bohme@amec.com</i>																					
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS		REQUESTED ANALYSES																					
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWCCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>																							
SPECIAL INSTRUCTIONS:																							
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) or TPH (D) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	TDS	Hardness	PH, SC	Alkalinity		
1	HS-1		3/29/07	1020	H ₂ O	7	X		X								X	X					
2	HS-2		3/29/07	1320		10	X		X								X	X					
3	HS-200P		3/29/07	1330		7	X		X								X	X					
4	HS-3		3/29/07	1610		10	X		X								X	X					
5	HS-4		3/29/07	0915		7	X		X								X	X					
Relinquished by: (Signature) <i>Zloyer</i>		Relinquished by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>		Relinquished by: (Signature/Affiliation) <i>[Signature]</i>	
Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>		Date: <u>3/30/07</u>	
Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>		Time: <u>1050</u>	



WORK ORDER #: 07 - 03 - 1942

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: AMEC

DATE: 03-30-07

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

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

LABORATORY (Other than Calscience Courier):

- C Temperature blank.
7.2 C IR thermometer.
Ambient temperature.

Initial: [Signature]

CUSTODY SEAL INTACT:

Sample(s): Cooler: No (Not Intact):

Not Present:

Initial: [Signature]

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody document(s), Sampler's name, Sample container label(s), Sample container(s) intact, Correct containers and volume, Proper preservation, VOA vial(s) free of headspace, Tedlar bag(s) free of condensation.

Initial: [Signature]

COMMENTS:

Blank lines for handwritten comments.