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FINAL SITE ASSESSMENT REPORT FOR SITE 2 NAS SAUFLEY FIELD FL
8/1/2012
TETRA TECH

Comprehensive Long-term Environmental Action Navy

CONTRACT NUMBER N62470-08-D-1001



Rev. 1
August 2012

Final Site Assessment Report for Saufley Field Site 2

Saufley Field
Pensacola, Florida

Contract Task Order JM30

August 2012



NAS Jacksonville
Jacksonville, Florida 32212-0030



**FINAL
SITE ASSESSMENT REPORT
FOR
SAUFLEY FIELD SITE 2
(FIRE FIGHTER TRAINING AREA)**

**SAUFLEY FIELD
PENSACOLA, FLORIDA**

**COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT**

**Submitted to:
Naval Facilities Engineering Command Southeast
NAS Jacksonville Building 103
Jacksonville, Florida 32212**

**Submitted by:
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**CONTRACT NUMBER N62470-08-D-1001
CONTRACT TASK ORDER JM30**

AUGUST 2012

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PROFESSIONAL CERTIFICATION

**Site Assessment Report
Saufley Field Site 2, Fire Fighter Training Area
Saufley Field, Pensacola, Florida**

This Site Assessment Report was prepared under the direct supervision of the undersigned geologist using geologic and hydrogeologic principles standard to the profession at the time the report was prepared. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of additional information on the assessment described in this report. This report was developed specifically for the referenced site and should not be construed to apply to any other site.

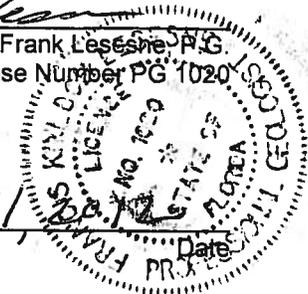

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Aug 31, 2012
Date

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ACRONYMS

bls	below land surface
cPAH	chlorinated polycyclic aromatic compound
cVOC	chlorinated volatile organic compound
CLEAN	Comprehensive Long-term Environmental Action Navy
CTO	Contract Task Order
DPT	direct-push technology
ECD	electron capture detector
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FID	flame ionization detector
FL-PRO	Florida Residual Petroleum Organic Method
ID	inside diameter
LIF	Laser Induced Fluorescence
LLSVOC	low level semivolatile organic compound
µg/kg	microgram per kilogram
µg/L	microgram per liter
MCL	Maximum Contaminant Level
MIP	Membrane Interface Probe
mg/kg	milligram per kilogram
mg/L	milligram per liter
NAD	North American Datum
NAS	Naval Air Station
NEESA	Naval Energy and Environmental Support Activity
NETPDTC	Naval Education and Training Professional Development and Technology Center
NTU	Nephelometric Turbidity Unit
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PID	photoionization detector
PVC	polyvinyl chloride
SAR	Site Assessment Report
SCTL	Soil Cleanup Target Level
SIM	selected ion monitor
SOP	Standard Operating Procedure
SVOC	semivolatile organic compound

ACRONYMS (Continued)

SW	solid waste
Tetra Tech	Tetra Tech NUS, Inc.
TRPH	total recoverable petroleum hydrocarbon
VOC	volatile organic compound

EXECUTIVE SUMMARY

Tetra Tech NUS, Inc. (Tetra Tech) has completed the Site Assessment Report (SAR) for Site 2, Fire Fighter Training Area located at Saufley Field, in Escambia County, Florida. This document was conducted in general accordance with the requirements of Chapter 62-780, Florida Administrative Code (F.A.C).

The main purpose of this SAR is to evaluate the extent of soil and groundwater contamination resulting from past fire fighter training activities. Site 2, Fire Fighter Training Area was initially identified in a preliminary assessment conducted by the Navy Energy and Environmental Support Activity in May 1992.

Site Assessment

The following activities were conducted during the November 2010 to January 2011 field event portion of this SAR:

- Laser Induced Fluorescence (LIF) screening data was collected from seven borings advanced to a depth of 50 feet below land surface (bls) or refusal. The locations were based on circular grid overlain on the Fire Fighter Training Area. Screening data was collected from the center boring, then subsequent step out borings were selected based on the screening results.
- Membrane Interface Probe (MIP) screening data was collected from eight borings advanced to depths ranging from approximately 50 to 74 feet bls. The locations were based on circular grid overlain on the Fire Fighter Training Area. Screening data was collected from the center boring, then subsequent step out borings were selected based on the screening results.
- The LIF/MIP field screening results were use to select nine soil samples for off-site laboratory for analysis of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), low level SVOCs (LLSVOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), total recoverable petroleum hydrocarbons (TRPH), and metals.
- Three monitoring wells were installed based on the results of the LIF/MIP screening results and soil sample laboratory analytical results.
- Groundwater samples were collected from the newly installed monitoring wells and analyzed at an off-site laboratory for VOCs, SVOCs, LLSVOCs, PAHs, pesticides, PCBs, TRPH, and the Florida Waste Oil metals (arsenic, cadmium, chromium, and lead).
- Soil analytical results were compared to the State of Florida's Residential, Industrial, and Leachability to Groundwater Soil Cleanup Target Levels (SCTLs) per Chapter 62-777, F.A.C.

- Groundwater analytical results were compared to Groundwater Cleanup Target Levels per Chapter 62-777, F.A.C., and Maximum Contaminant Levels (MCLs) per Chapter 62-550, F.A.C.
- Groundwater levels were recorded, and a groundwater isocontour map was produced.
- Evaluation of aquifer properties was conducted to interpret the movement of groundwater at the site.

Conclusions

A Triad approach was used to determine if fire fighter training activities have had an impact on the surface soil, subsurface soil, and groundwater at the site. The following findings are based on the information collected during field events in November 2010 and January 2011 and laboratory analytical results:

- Comparison of the peaks on the LIF logs to the response of various random products saturated on wet sand suggest that the residual petroleum contamination encountered at Site 2 most closely resembles the peaks for aviation gas.
- Based on the very low responses by the LIF instrumentation, free-phase product was not present.
- The very low responses measured by the LIF instrumentation suggest that minimal concentrations of residual petroleum contamination are present, and the highest LIF response appears to occur beneath the concrete fire fighting training pad at a depth of approximately 5 feet.
- The MIP screening data also revealed very low instrument responses for the electron capture detector (ECD), flame ionization detector (FID), and photoionization detector (PID). The highest ECD response appears to occur at the western side of the concrete fire fighter training pad at a depth of approximately 5 feet.
- The highest FID responses appear to occur at various depths beneath and north of the fire fighter training pad. The highest FID responses potentially indicating residual petroleum contamination occur at the interface of sands underlain by clay sediments and in the clay sediment.
- The PID response revealed very low instrument responses, which did not indicate the presence of residual petroleum contamination.
- Nine soil samples were collected from areas of interest identified in November 2010 during the MIP/LIF investigation and submitted to a fixed-based laboratory for analyses.
- Based on the laboratory analysis of the soil samples, PCBs were not detected; however, 1 VOC, 12 SVOCs, 7 pesticides, TRPH, and 22 metals were detected in the soil samples. Only one pesticide (dieldrin) and one metal (arsenic) and exceeded Florida SCTLs.

- Dieldrin was detected in one surface sample, SF-2-SAA1-0-2-112010, its duplicate, and one subsurface sample, SF-2-SB A1-46-47-11201.0 at concentrations of 6.6 micrograms per kilogram ($\mu\text{g}/\text{kg}$), 10 $\mu\text{g}/\text{kg}$, and 9.6 $\mu\text{g}/\text{kg}$, respectively, which exceeded the Florida SCTL for Leachability to Groundwater of 2.0 $\mu\text{g}/\text{kg}$. Dieldrin was not detected in the groundwater samples; therefore, leachability to groundwater is not a concern.
- Arsenic was detected in two subsurface samples, SF-2-SBF1-10-12-11210 (collected at 10 to 12 feet bls) and SF-2-SBF1-55-58-112010 (collected at 55 to 58 feet bls), at concentrations of 3.1 milligrams per kilogram (mg/kg) and 2.2 mg/kg , respectively, which exceeded the Florida SCTL for Residential Direct Exposure of 2.1 mg/kg . However, direct exposure is not a concern based on the depths at which these samples were collected.
- The average groundwater horizontal hydraulic gradient of the site is 0.015 foot per foot.
- The groundwater flow direction is toward the north-northwest.
- The theoretical groundwater seepage (linear) velocity is calculated to be approximately 273 feet per year.
- Three 2-inch diameter monitoring wells were installed, and three groundwater samples and one duplicate were collected during the January 2011 field event.
- Based on the laboratory analysis of the groundwater samples, VOC, SVOCs, pesticides, PCBs, and TRPH were not detected in the groundwater samples; however, 2 metals (cadmium and chromium) were detected.
 - Cadmium was detected in groundwater samples collected from monitoring wells SF-2-MW01, SF-2-MW03, and the duplicate sample collected from SF-2-MW04 at concentrations of 0.06, 0.05, and 0.07 micrograms per liter ($\mu\text{g}/\text{L}$), respectively. Cadmium concentrations were below Florida's Primary MCL of 5 $\mu\text{g}/\text{L}$ per Chapter 62-550, F.A.C.
 - Chromium was detected in groundwater samples collected monitoring wells SF-2-MW01, SF-2-MW03, and SF-2-MW04 and its duplicate at concentrations of 2.7, 4.1, 1.7, and 1.7 $\mu\text{g}/\text{L}$, respectively. Chromium concentrations were below Florida's Primary MCL of 100 $\mu\text{g}/\text{L}$ per Chapter 62-550, F.A.C.

Recommendations

Based on a comparison of Florida regulatory criteria outlined in Contaminated Site Cleanup Criteria per Chapter 62-780.680, F.A.C., to the results of the Site 2 surface soil, subsurface soil, and groundwater sampling events, it is reasonable to conclude that the fire fighter training activities have not had an adverse affect at the site. The site assessment and regulatory comparison found the following:

- Free-phase product was not present.
- Based on the laboratory analysis of the soil samples, PCBs were not detected; however, 1 VOC, 12 SVOCs, 7 pesticides, TRPH, and 22 metals were detected in the soil samples. Only one metal (arsenic) and one pesticide (dieldrin) were detected at concentrations that exceeded Florida SCTLs.
- Arsenic exceeded the Florida residential direct exposure SCTL, but not the industrial direct exposure SCTL.
- Residential direct exposure to arsenic is unlikely due to the depth at which the exceedances occurred.
- Dieldrin in subsurface soil was below the Florida residential direct exposure SCTL, but exceeded the Florida leachability to groundwater SCTL. Dieldrin was not detected in the groundwater samples.
- VOC, SVOCs, pesticides, PCBs, TRPH were not detected in the groundwater samples.
- Only cadmium and chromium were detected in the groundwater samples at concentrations below their MCLs.
- Groundwater contamination was not present.

Therefore, Tetra Tech recommends that no additional assessment activities be conducted and No Further Action per Chapter 62-780.680, F.A.C. for Site 2 is appropriate. Tetra Tech also recommends that the monitoring wells at Site 2 be kept as background for Site 1 based on the groundwater flow direction and hydraulic upgradient location relative to Site 1.

1.0 SITE DESCRIPTION AND BACKGROUND INFORMATION

This Site Assessment Report (SAR) has been prepared by Tetra Tech NUS, Inc. (Tetra Tech) under the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract Number N62470-08-D-1001, Contract Task Order (CTO) JM30, for the assessment of Site 2, Fire Fighter Training Area located at Saufley Field in Pensacola, Florida.

1.1 SITE LOCATION AND CONDITIONS

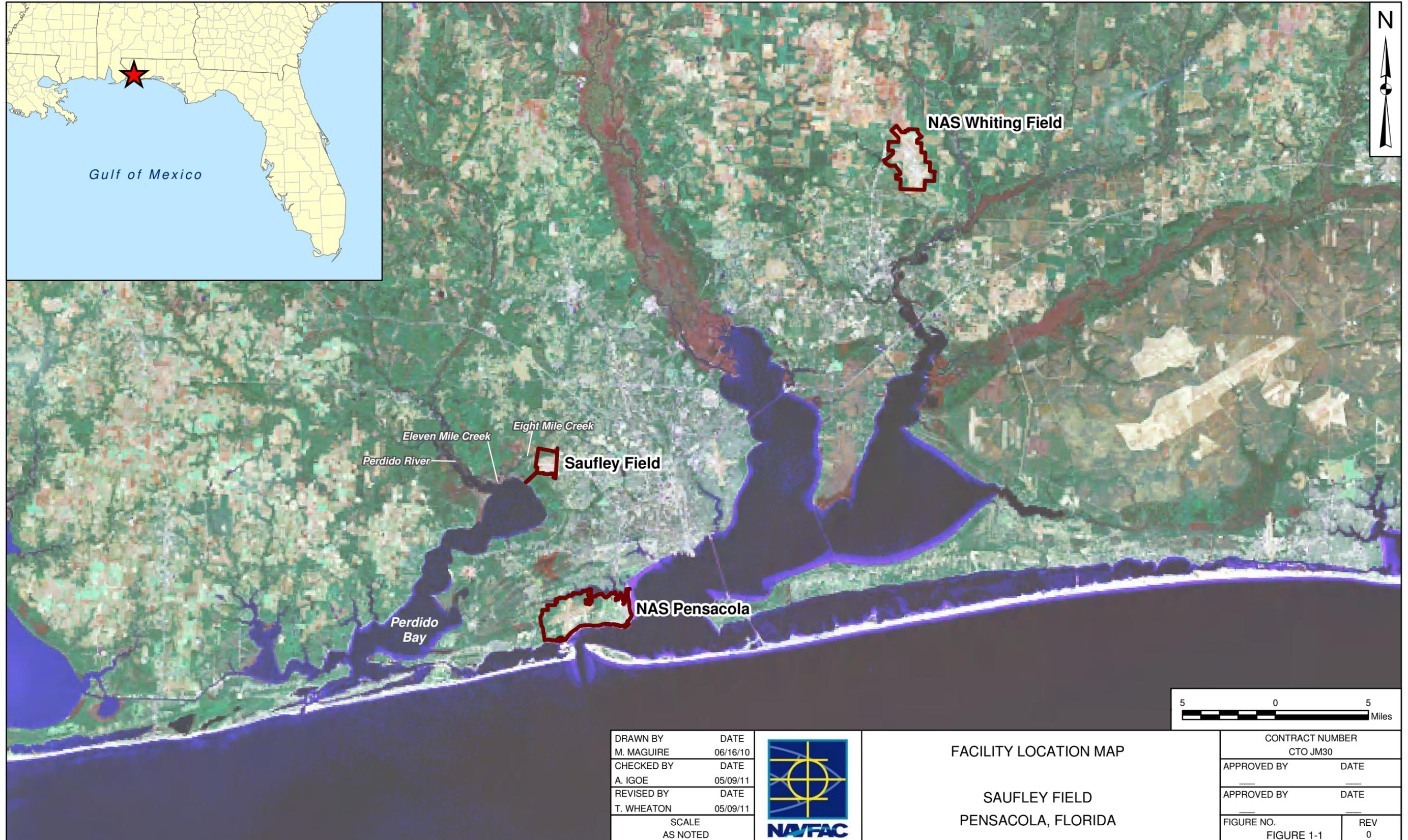
Saufley Field (see Figure 1-1) is located in Escambia County on the Florida panhandle approximately 5 miles northwest of Pensacola. The installation currently encompasses approximately 866 acres and includes four airstrips, two of which are active, and a number of buildings that are located south of the airfield. The majority of Saufley Field is covered by paved runways surrounded by mowed, open grassy fields and buildings and structures for tenant support. Approximately 200 of the 866 acres are undeveloped. The majority of the areas surrounding the airstrips and buildings are predominantly wooded and support a wide variety of flora and fauna.

The site under investigation (Site 2, Fire Fighter Training Area) (see Figure 1-2) is located about 400 feet southwest of Runway 13. The approximate 400 by 400 foot site boundary for the Fire Fighter Training Area is predominantly an open grassy area that encompasses the 60-foot diameter concrete training pad. Site 2 is located in the northwestern portion of Saufley Field and is generally located at or in the immediate vicinity of latitude 30° 28' 21" North and 87° 20' 46" West. The site elevation is approximately 70 feet North American Vertical Datum.

1.2 SITE HISTORY

Saufley Field opened in 1940, was commissioned as a Naval Auxiliary Air Station, and was re-designated a Naval Air Station (NAS) in 1968. It was decommissioned in 1976 and designated as an outlying landing field. In 1979, it was reactivated as a Naval Education and Training Program Development Center and as an outlying landing field for NAS Whiting Field pilot training. In 1996, Saufley Field became the Naval Education and Training Professional Development and Technology Center (NETPDTC), a major shore command. As the host of Saufley Field, NETPDTC supports 10 major Department of Defense (as well as Navy) tenants and has a total base population in excess of 1,000 personnel. Saufley Field operates two active runways and has in excess of 34,425 square feet of hangar space.

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DRAWN BY	DATE
M. MAGUIRE	06/16/10
CHECKED BY	DATE
A. IGOE	05/09/11
REVISED BY	DATE
T. WHEATON	05/09/11
SCALE AS NOTED	

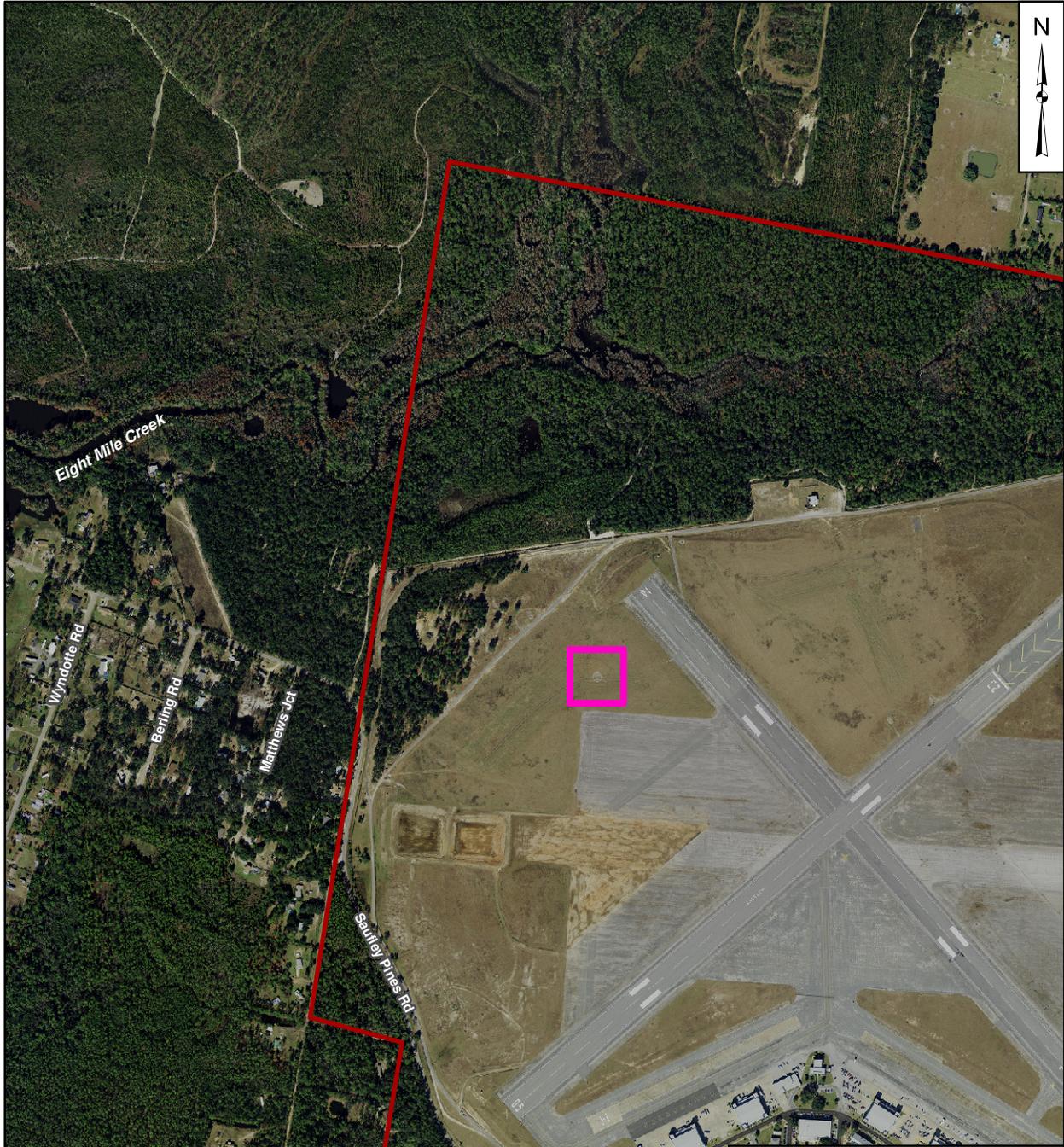


FACILITY LOCATION MAP

SAUFLEY FIELD
PENSACOLA, FLORIDA



CONTRACT NUMBER CTO JM30	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO. FIGURE 1-1	REV 0



Legend

- Site 2 - Fire Fighter Training Area
- Installation Boundary

DRAWN BY M. MAGUIRE	DATE 06/16/10
CHECKED BY A. IGOE	DATE 05/09/11
REVISED BY T. WHEATON	DATE 05/09/11
SCALE AS NOTED	



**SITE LOCATION
SAUFLEY FIELD
PENSACOLA, FLORIDA**

CONTRACT NUMBER CTO JM30	
APPROVED BY	DATE
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FIGURE NO. FIGURE 1-2	REV 0

In 2008, the Navy entered into negotiations to form an Enhanced Use Lease partnership with private industry. The objective of the Enhanced Use Lease program is to transform 104 acres of the property at Saufley Field into a diversified, multi-use business campus through the creative adaptation and reuse.

At Site 2, the exact details of fire fighter training drills are unknown; however, in the Naval Energy and Environmental Support Activity (NEESA) Preliminary Assessment (NEESA, 1992), it was indicated that a typical burn likely consisted of burning between 300 and 1,000 gallons of flammable liquids per training exercise. A typical fire fighter training drill likely consisted of covering the concrete pad with a flammable material and igniting it. The fire would be put out, reignited, and put out again. The last fire fighter training drill was conducted in 1977.

The majority of flammable liquids burned in the concrete pad were likely waste aviation gasoline; however, other flammable liquids such as kerosene, chlorinated solvents, diesel, hydraulic fluids, and automobile gas may have been burned. Prior to 1972, some hydraulic fluids containing polychlorinated biphenyls (PCBs) may have been burned. It is also thought that pesticides may have been mixed with the fluids being burned because the carrier fluid for pesticides at that time was typically a hydrocarbon-based fluid. Additionally, because waste fuels and fluids were used in the fire training activities, the metals most likely present that comingled with the flammable liquids included arsenic, cadmium, chromium, and lead (NEESA, 1992).

1.3 SURFACE FEATURES

The terrain surrounding the facility is generally flat, except in stream valleys, sloping gently toward the south. The land surface elevations on Saufley Field range from 75 to 90 feet above mean sea level. Site 2 lies on a hill, southwest of Runway 13, and is surrounded by an open grassy area that slopes to the north. The land surface at Saufley Field was graded to build the airfield and building area.

1.4 SURFACE WATER HYDROLOGY

Saufley Field is bordered on the southwest by Perdido Bay and to the north by Eleven Mile Creek and Eight Mile Creek. In addition, Escambia Bay lies approximately 8 miles to the southeast. Swampy areas exist adjacent to the western portion of Saufley Field. However, sandy surface soil in the majority of the area allows for a high portion of rainfall to infiltrate into the ground, resulting in relatively few streams. The surface topography has little dissection and the natural drainage system is poorly developed. Much of the surface drainage has been constructed or modified to accommodate facility structures. Base run-off makes its way to Perdido Bay via a man made drainage ditch.

There are two perennial streams located within the bounds of Saufley Field. Eight Mile Creek merges with Eleven Mile Creek in the northwestern portion of the installation. Several small (less than 5 acres) freshwater impoundments associated with the aforementioned stream system exist in the northwestern portion of the installation.

Site 2 is located on a hill within the northwestern portion of the facility, and surface water features are not present at the site.

1.5 REGIONAL GEOLOGY

The parent material of the soils in Escambia County consists mostly of deposits of marine origin. The parent material varies somewhat in mineral and chemical composition and in physical structure because of the environment in which it was deposited (Musgrove et al., 1965). The northern two-thirds of the county, where Saufley field is located, is thought to be the stream-dissected remnant of an extensive delta plain, known as the Citronelle Formation, that was covered unconformably by sand and clay deposits from high standing seas in the Pleistocene Epoch (2 to 3 million years ago).

These deposits are mostly quartz sand and contain varying amounts of clay, silt, and shell fragments. Clay and silt are more abundant in the soils that formed in the sediment on marine terraces and in lagoons. Clay and silt are virtually absent on shoreline ridges where most of the deposits are eolian sand. Ocean currents transported the parent material. The ocean covered the area a number of times during the Pleistocene age.

1.6 HYDROGEOLOGY

Groundwater in Escambia County occurs in three major aquifers: a shallow surficial aquifer, which is artesian and non-artesian (the sand and gravel aquifer), and two deep artisan aquifers (the upper and lower limestones of the Floridan aquifer). Because the shallow surficial aquifer is partly unconfined and recharged principally by direct infiltration of rain, this aquifer is particularly susceptible to contamination from surface sources (Musgrove et al., 1965).

1.6.1 Regional Hydrogeology

In the northern half of Escambia County, the sand and gravel aquifer and the upper limestone of the Floridan aquifer are in contact with one another. In the southern half of Escambia County, where Saufley Field is located, the sand and gravel aquifer and the upper limestone of the Floridan aquifer are separated by a thick section of relatively impermeable clay. The upper limestone of the Floridan aquifer is separated from the lower limestone by a thick clay bed (Musgrove et. al., 1965).

The sand and gravel aquifer is composed of sand but has numerous lenses and layers of clay and gravel. The formation also contains lenses of hardpan where the sand has been cemented by iron oxide minerals. The aquifer recharge is predominantly from local precipitation (Trapp, 1973). The shallow saturated permeable beds in the sand and gravel aquifer contain groundwater under nonartesian conditions, while the deeper permeable beds contain groundwater under artesian pressure where they are confined by lenses of clay and sandy clay (NEESA, 1992). The groundwater flow has historically been toward the Gulf of Mexico and the Escambia and Perdido Rivers; however, groundwater flow can vary locally due to the effect of topography or surface water bodies

Below the sand and gravel aquifer, the limestone layers comprise the regionally extensive Floridan aquifer, which in this area is divided into upper and lower units separated by the Bucatunna clay. The upper Floridan aquifer is an important source of water in areas east of Escambia County; however, in the Pensacola area it is highly mineralized and not used as a water supply. The lower Floridan aquifer is also highly mineralized and is designated for use as an injection zone (Geraghty and Miller, 1986).

1.6.2 Site Specific Hydrogeology

Water levels in the shallow aquifer beneath Saufley Field typically range from 27 feet (near the southeaster perimeter of the facility) to approximately 50 feet beneath the land surface (bls) near the western edge of the hangars and buildings. Based on the land surface topography in the vicinity of Site 2, the groundwater flow direction is estimated to be north and northwest toward Eight Mile Creek (see Figure 1-1 and Figure 1-2).

1.6.3 Potable Well Survey

In 1994, the potable water treatment system at Saufley Field formerly included two active potable water wells. On May 9, 1994, a water sample from potable well PW04 indicated benzene concentrations of 0.032 milligram per liter (mg/L), exceeding the Florida Department of Environmental Protection (FDEP) drinking water standard of 0.001 mg/L. Potable well PW04 was taken off-line and was subsequently placed on quarterly sampling for one year for observation and corrective action to remove the contamination. In April 1996, potable wells PW03 and PW04 were abandoned in-place. Currently the only source of potable water for Saufley Field is the well field located at the Naval Technical Training Center Corry Station located approximately 5.5 miles south of Saufley Field.

A potable well survey was conducted using the Florida Department of Health Petroleum Surveillance Program database. The survey identified 12 potable wells within a 1-mile radius (see Figure 1-3).



<p>Legend</p> <p>⊕ Potable Water Well</p>	<p>DRAWN BY T. WHEATON</p> <p>CHECKED BY A. IGOE</p> <p>COST/SCHED AREA</p>	<p>DATE 04/15/11</p> <p>DATE 04/15/11</p>		<p>POTIBLE WATER SUPPLY WELL SURVEY SAUFLEY FIELD PENSACOLA, FLORIDA</p>	<p>CONTRACT NUMBER CTO JM30</p>	
	<p>SCALE AS NOTED</p>	<p>APPROVED BY _____</p> <p>APPROVED BY _____</p>			<p>DATE _____</p> <p>DATE _____</p>	<p>FIGURE NO. FIGURE 1-3</p>

2.0 PREVIOUS INVESTIGATIONS

Site 2, Fire Fighter Training Area was initially identified in a preliminary assessment conducted in May 1992 by NEESA. The preliminary assessment was conducted in accordance with United States Environmental Protection Agency guidance for Performing Preliminary Assessments under the Comprehensive Environmental Response, Compensation, and Liability Act.

The preliminary assessment began with a review of available records and was followed by a site visit to document past and present (at the time of the preliminary assessment) operations and disposal practices. If a potential threat to human health and or the environment was present, further action was recommended. Based on a review of the site history and site visit (please refer to Section 1.2, Site History), NEESA recommended (in the preliminary assessment) that soil samples be collected from the land surface to the water table and, if contamination was found, monitoring wells should be installed to collect groundwater samples. The environmental sampling recommended in the preliminary assessment by NEESA, however, was not previously conducted.

3.0 SITE ASSESSMENT METHODOLOGY

This SAR was completed in accordance with the Contaminated Site Cleanup Criteria per Chapter 62-780, Florida Administrative Code (F.A.C.), under CLEAN 1001 Contract N62470-08-D-1001, CTO JM30. The field investigation at Site 2 utilized a Triad approach to collect, evaluate, and prioritize data collection to evaluate the extent of contaminants in surface and subsurface soil and groundwater. Laser Induced Fluorescence (LIF) and Membrane Interface Probe (MIP) screening data was collected in November 2010 and used to provide real-time decision making for the collection of soil samples with the assistance of field experience and technical expertise. Dynamic work strategies, based on the LIF/MIP screening data, were implemented using direct-push technology (DPT) sampling techniques to expedite the soil sampling process.

Soil and groundwater samples were collected at Site 2 as a part of the November 2010 and January 2011 investigation, respectively. Soil borings were advanced by DPT. The soil samples, with the exception of those to be analyzed for volatile organic compounds (VOCs), were screened with a flame ionization detector (FID) prior to submittal to a fixed-base laboratory for analysis. The analytical results were compared to the Florida Residential and Industrial Direct Exposure and Leachability to Groundwater Soil Cleanup Target Levels (SCTLs) per Chapter 62-777 F.A.C.

A hollow-stem auger rig was used to install the monitoring wells in January 2011. Groundwater samples were also collected in January 2011 from the newly installed monitoring wells and submitted to a fixed-base laboratory for analysis. The analytical results were compared to the Florida Groundwater Cleanup Target Levels per Chapter 62-777 F.A.C., and Florida Maximum Contaminant Levels (MCLs) per Chapter 62-550 F.A.C.

The field activities including: soil screening, soil sampling, monitoring well installation, and groundwater sampling were conducted in accordance with FDEP Standard Operating Procedures (SOPs) for Field Activities (FDEP, 2008). Whenever the FDEP SOPs did not address a specific task, Tetra Tech deferred to the Tetra Tech Corporate SOPs (Tetra Tech, 2007).

The site assessment methodologies used during this investigation are discussed below. The results of the investigation are presented in Section 4.0.

3.1 MIP AND LIF SCREENING PLAN

LIF screening data was collected at Site 2 to characterize the extent of free-phase product and residual petroleum contamination including polycyclic aromatic hydrocarbons (PAHs), and the MIP was used to

characterize VOCs including dissolved and sorbed phase contamination. Additionally, MIP included a tool to characterize the soil electrical conductivity that can be used to characterize the soil lithology.

The fiber optic-based LIF sensor system is a light at a specific wavelength generated from a laser that is passed down a fiber optic cable to a sapphire window in the tip of the rod string as it is advanced into the subsurface. The laser light excites two or three ring aromatic compounds (PAHs) in the soil adjacent to the sapphire window causing them to fluoresce. The relative response of the sensor depends on the specific analyte being measured because of the varying ratios of PAHs in each hydrocarbon mixture. The induced fluorescence from the PAHs is returned over a second fiber to the surface where it is quantified using a detector system. The peak wavelength and intensity provide information about the type of petroleum product.

The MIP is a screening tool with semi-quantitative capabilities acting as an interface between chlorinated VOCs (cVOCs) in the subsurface and gas phase detectors at the surface. MIP acquisition software logs detector signal with depth. The detectors utilized were an electron capture detector (ECD), a FID, a photoionization detector (PID) that were coupled with a Shimadzu Model 14A gas chromatograph and a soil conductivity probe. The ECD is designed for sensitivity to cVOCs and other electronegative organic compounds. The FID/PID is used in conjunction with the ECD and is more sensitive to combustible hydrocarbons.

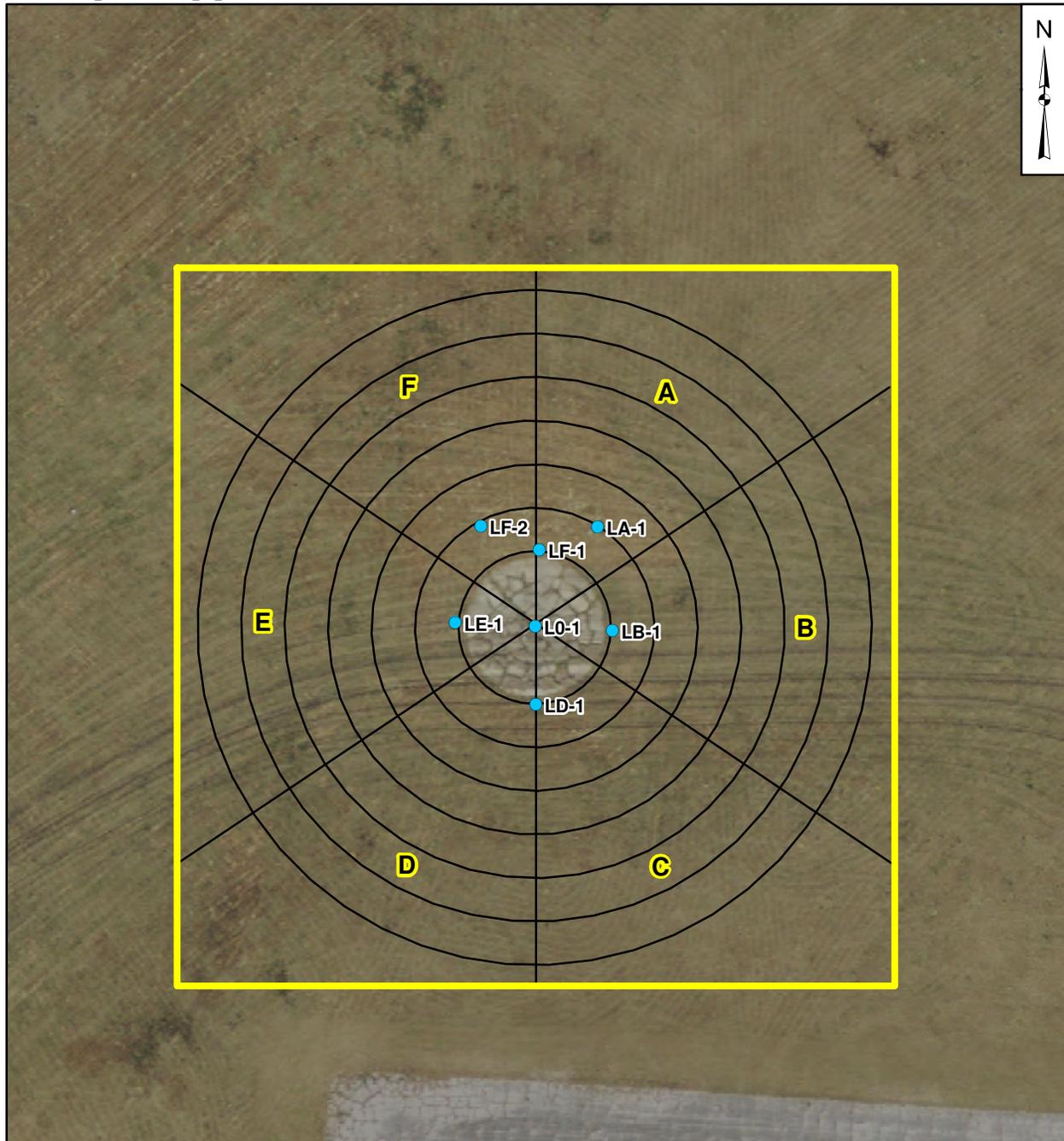
LIF screening data was collected from seven borings advanced to a depth of 50 feet bls or refusal (see Figure 3-1). MIP screening data was collected from eight borings advanced to depths ranging from approximately 50 to 74 feet bls (see Figure 3-2). Screening data was collected from the center of the pad, then subsequent step out borings were selected based on the screening results.

The report that describes the LIF/MIP equipment, methodology, and results is provided in Appendix A.

3.2 SOIL SAMPLING PLAN

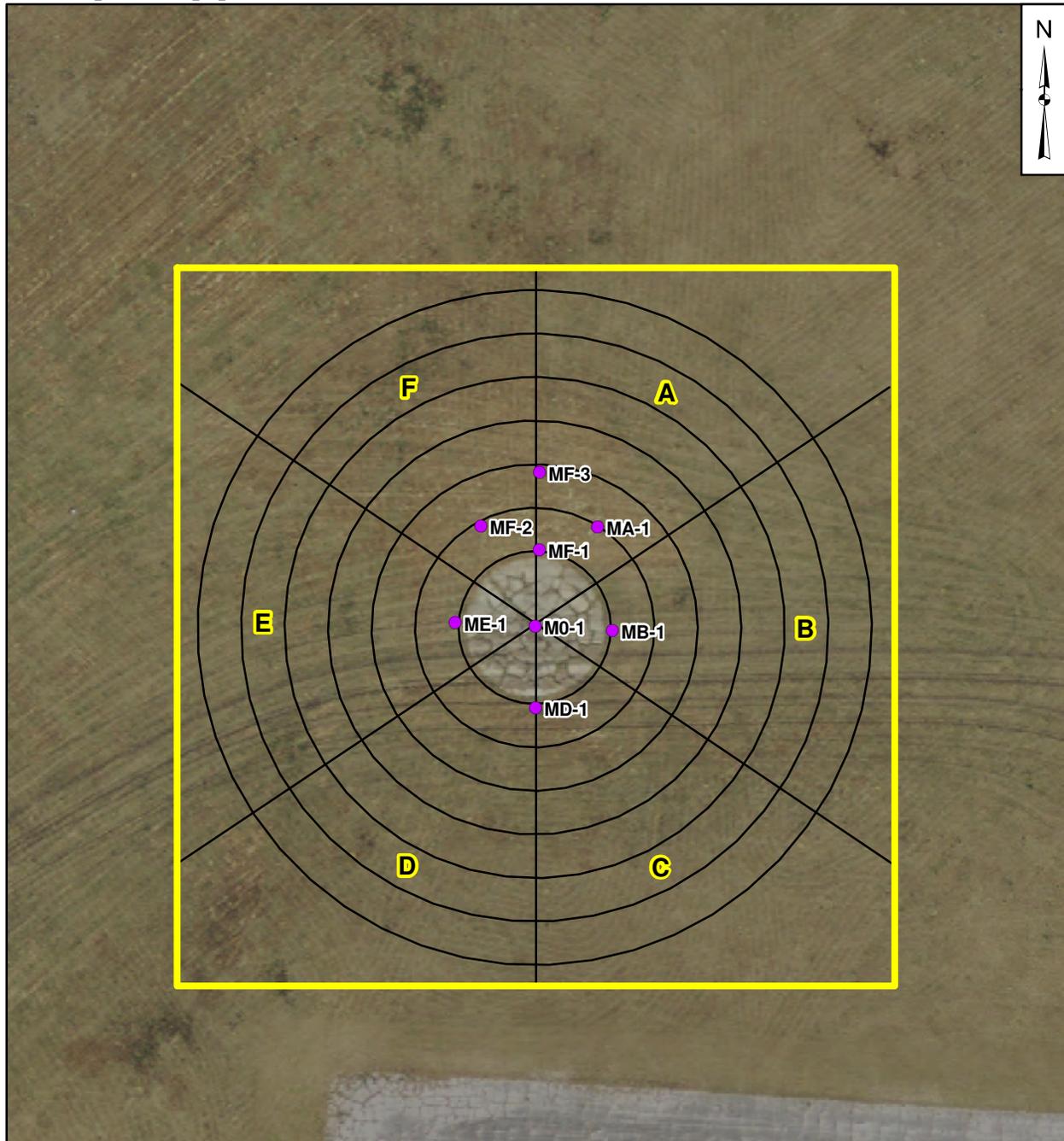
Nine soil samples were collected at varying depth intervals (see Table 3-1) from two locations (A1 and F1 as shown on Figure 3-3) based on the results of the LIF/MIP screening data. The soil samples were collected from discrete intervals using DPT. Soil samples to be analyzed for VOCs were collected directly from the core barrel; the remaining soils were either placed in a Mason[®] jar and covered with aluminum foil for FID/PID screening (see Table 3-2) or placed into a Pyrex[®] glass bowls for homogenization with a stainless steel spoon prior to sample collection.

P:\GIS\SAUFLEY_OLFMXD\SITE02_LIF_LOCATIONS.MXD 05/13/11 TW



		<p>Legend</p> <ul style="list-style-type: none"> ● Laser Induced Fluorescence Location ■ Site 2 - Fire Fighter Training Area 	
DRAWN BY T. WHEATON	DATE 04/15/11		
CHECKED BY A. IGOE	DATE 05/13/11		
COST/SCHED AREA			
SCALE AS NOTED		LASER INDUCED FLUORESCENCE LOCATIONS NOVEMBER 2010 SITE 2 - FIRE FIGHTER TRAINING AREA SAUFLEY FIELD PENSACOLA, FLORIDA	
		CONTRACT NUMBER CTO JM30	
		APPROVED BY _____	DATE ____/____/____
		APPROVED BY _____	DATE ____/____/____
		FIGURE NO. FIGURE 3-1	REV 0

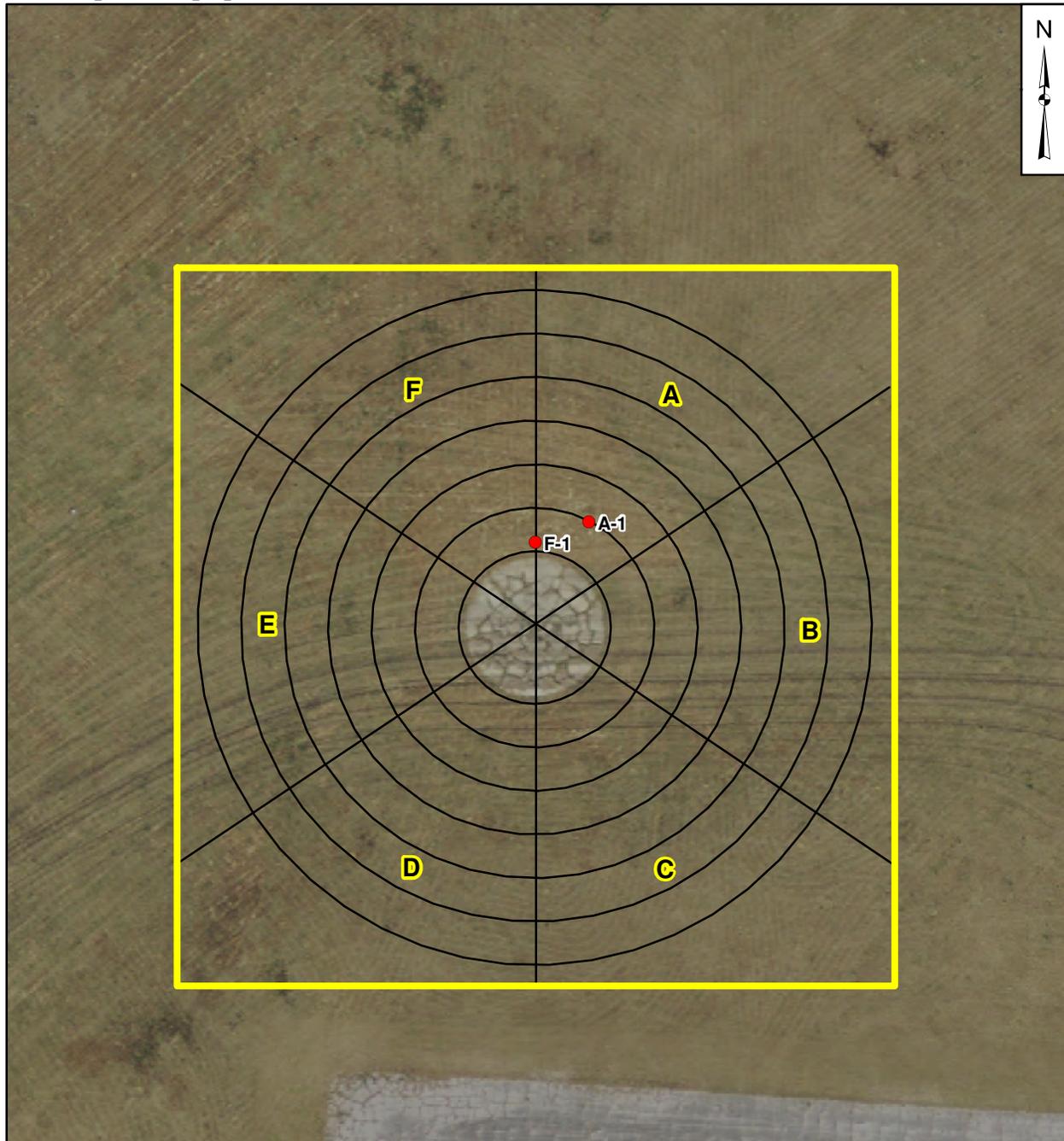
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		<p>Legend</p> <ul style="list-style-type: none"> ● Membrane Interface Probe Location Site 2 - Fire Fighter Training Area 																
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FIGURE NO.	REV																	
FIGURE 3-2	0																	

TABLE 3-1
DPT SOIL ANALYTICAL SUMMARY, NOVEMBER 2010
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA

Soil Sample Identification (Sample Location)	Depth Interval (feet bls)	Analysis
Surface Soils		
SF-2-SAA1-0-2-11/2010 (Sample Location A-1)	0-2	VOCs (SW846 5035/8260B), SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
Subsurface Soils		
FD11171001 (Duplicate of SF-2-SAA1-0-2-11/2010) (Sample Location A-1)	0-2	VOCs (SW846 5035/8260B), SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBA1-2-4-11/2010 (Sample Location A-1)	2-4	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBA1-27-33-11/2010 (Sample Location A-1)	27-33	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBA1-46-47-11/2010 (Sample Location A-1)	46-47	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBF1-10-12-11/2010 (Sample Location F-1)	10-12	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBF1-50-55-11/2010 (Sample Location F-1)	50-55	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBF1-55-58-11/2010 (Sample Location F-1)	55-58	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
SF-2-SBF1-61-63-11/2010 (Sample Location F-1)	61-63	VOCs (SW846 5035/8260B),SVOCs, LLSVOCs and PAHs by SIM (SW846 3545A, 3550C/8270D), PCBs (SW846/8082A), Pesticides (SW-846/8081B), metals (SW846/6010C) and TRPH (FL-PRO)
<p>Notes: LLSVOC = low level semivolatile organic compound SVOC – semivolatile organic compound PCB = polychlorinated biphenyl TRPH = total recoverable petroleum hydrocarbon FL-PRO = Florida Residual Petroleum Organic Method SW = solid waste SIM = selected ion monitor</p> <p>Soil Sample Identification: Surface Soil: Facility Identification, Site Identification, and Surface Soil Identification with sample sector letter and number, depth interval (bls), month, and year. Example: SF-2-SAA1-0-2-10/2010 Subsurface Soil: Facility Identification, Site Identification, and Subsurface Soil Identification with sample sector letter and number, depth interval (bgs), month, and year. Example: SF-2-SBA1-0.5-2-10/2010</p>		



Legend	
●	Soil Sample Location
	Site 2 - Fire Fighter Training Area

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FIGURE NO. FIGURE 3-3	REV 0																										

The soil samples were collected in accordance with FDEP SOPs FS 3000, Soil Sampling (FDEP, 2008) and the sampling methodology was compliant with FDEP's Risk Assessment Rule 62-780.650. Soil sampling equipment was decontaminated prior to commencement of field activities and decontaminated in the field in accordance with FDEP SOP FC1000.

The soil samples collected at Site 2 were analyzed off site by a fixed base laboratory for VOCs, SVOCs, LLSVOCs, PAHs, PCBs, TRPH, and metals. The laboratory analytical methods used are specified in Table 3-1.

3.3 MONITORING WELL INSTALLATION PLAN

Tetra Tech installed three permanent 2-inch diameter monitoring wells (see Figure 3-4). The locations of these wells were determined by the Saufley Field Project Team based on the LIF/MIP results and the soil sample analytical results. The monitoring wells were installed and constructed in accordance with Navy and FDEP guidance documents.

3.4 GROUNDWATER SAMPLING

Prior to obtaining groundwater samples, water levels and total well depths were measured for all available wells for groundwater piezometric determination. The wells were then purged using a submersible pump and a low-flow quiescent purging technique. Monitoring well purging was conducted in accordance with FDEP SOP FS 2212, Well Purging Techniques (FDEP, 2008). Groundwater samples were collected in accordance with FDEP SOP FS 2220, Groundwater Sampling Techniques (FDEP, 2008).

In January 2011, groundwater samples were collected from the three new monitoring wells. The groundwater samples were analyzed for VOCs, SVOCs, LLSVOCs, PAHs, PCBs, TRPH, pesticides, and the Florida Used Oil Group including arsenic, cadmium, chromium, and lead. Laboratory analytical methods and the number of environmental and quality control samples are presented in Table 3-2.

3.5 SAMPLE HANDLING

Sample handling includes the selection of sample containers, preservatives, allowable holding times, sample packaging, shipping and appropriate chain of custody procedures. Samples were packaged and shipped in general accordance with FDEP SOP 001/01 FS 1000, General Sampling, and applicable sections of FS 2200, Groundwater Sampling and FS 3000, Soil Sampling (FDEP, 2008).

TABLE 3-2
GROUNDWATER SAMPLE ANALYTICAL SUMMARY, JANUARY 2011
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA

Analysis	Off-Site Laboratory
	Number of Samples Analyzed
VOCs (SW- 846 8260B)	6
SVOCs (SW-846 8270C)	5
LLSVOCs (SW-846 8270C SIM)	5
PAHs (SW-846 8270C SIM)	5
Pesticide (SW-846 8141B)	5
PCBs (SW-8082)	5
TRPH (FL-PRO)	5
Arsenic, Cadmium, Chromium, and Lead (SW-846 6010)	5

Sampling activities were documented in a site-specific field logbook and samples were transmitted under chain-of-custody protocols to the laboratory. Custody of samples was maintained and documented at all times. Chain-of-custody began with the collection of the samples in the field. FDEP SOP FS 1000 (FS 1009, Sample Documentation and Evidence Custody) and Tetra Tech SOP SA-6.3 provide a description of the chain-of-custody procedures followed during sampling activities. Tetra Tech SOP SA-6.3 may be reviewed upon request. A copy of the chain-of-custody documents and field notes are included in Appendix B.

3.6 QUALITY CONTROL SAMPLES

Groundwater and soil sampling activities were performed in accordance with the procedures prescribed in DEP-SOP-001/01. Equipment rinsate blanks were collected during the soil and groundwater sampling events in accordance to FDEP SOP 001/01 FQ 1000: Field Quality Control Requirements (FDEP, 2008). Groundwater and soil samples were collected in containers provided by the laboratory. Quality control samples (e.g., matrix spike duplicate, rinsate blanks, and trip blanks) were collected and submitted to the laboratory.

Four quality control samples were collected during the soil sampling event conducted in November 2010. Two trip blank samples, one designated "Soil Trip Blank" and the other TB11171001, accompanied the cooler containing VOC samples. One duplicate sample was collected at the SF-2-SAA1-0-2-11/2010 location and was designated FD11171001. One rinsate blank was collected and designated RB11171001. The duplicate sample was within acceptable concentration ranges.

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Legend	
	Monitoring Well Location
	Site 2 - Fire Fighter Training Area

DRAWN BY T. WHEATON	DATE 04/15/11
CHECKED BY A. IGOE	DATE 05/13/11
COST/SCHED AREA	
SCALE AS NOTED	



MONITORING WELL LOCATIONS
JANUARY 2011
SITE 2 - FIRE FIGHTER TRAINING AREA
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER CTO JM30	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO. FIGURE 3-4	REV 0

Acetone, chloroform and methylene chloride were detected in the soil rinsate blank (RB11171001) at concentrations of 15, 0.66 and 3.1 micrograms per liter ($\mu\text{g/L}$), respectively. These analytes are common laboratory impurities and were not detected in the soil samples.

Three quality control samples were collected during the soil sampling event conducted in January 2011. On trip blank sample, designated TB01261101, accompanied the cooler containing VOC samples. One duplicate sample was collected from monitoring well SF-2-MW04 and designated FD01251101. One rinsate blank was collected and designated RB01261101. The duplicate sample was within acceptable concentration ranges.

Acetone, benzaldehyde, and TRPH were detected in the groundwater rinsate blank (RB01261101) at concentrations of 23, 3.4, and 320 $\mu\text{g/L}$, respectively. Acetone and benzaldehyde are common laboratory impurities and were not detected in the groundwater samples. TRPH was not detected in the groundwater samples and is suspected to be a laboratory error.

3.7 EQUIPMENT CALIBRATION

Field instruments, including the Foxborough FID, YSI 556 MPS Water Quality Meter, and the LaMotte 2020e Turbidimeter, were calibrated daily according to FDEP SOPs Field Testing 1000: General Field Testing and Measurement, and manufacturer's specifications (FDEP, 2008). Equipment calibration was documented on an Equipment Calibration Log. A copy of the completed Equipment Calibration Log is included in Appendix B.

3.8 SOIL ASSESSMENT

The LIF/MIP soil screening investigation conducted during the November 2010 portion of the SAR was limited to lithologic descriptions based on conductivity logs collected in real-time. Columbia Technologies provided soil conductivities as part of their data deliverable. The results of the LIF/MIP soil screening investigation were used to select soil samples for fixed base laboratory analysis. The soil samples were collected using DPT. Soil samples were not field screened or collected for laboratory analysis during the January 2011 monitoring well installation field event.

3.8.1 Soil Lithologic Descriptions

During DPT operations, soil samples collected from the cores were viewed and described by the on-site geologist. The site geologist recorded the soil properties, including texture, color, and soil moisture for each soil boring and noted staining or odors. Soil sample logs are provided in Appendix B.

3.8.2 New Monitoring Well Locations

While conducting field activities during the January 2011 field event, three monitoring wells (SF-2-MW01, SF-2-MW03, and SF-2-MW04) were installed at the site. An additional monitoring well SF-2-MW02 was proposed to be installed based on the analytical results of groundwater samples from monitoring wells

SF-2-MW01, SF-2-MW03, and SF-2-MW04. The location of the monitoring wells, as shown on Figure 3-4, were presented and accepted by the FDEP in a December 2010 memorandum. Additional monitoring wells have not been installed since the January 2011 field event.

The monitoring wells were surveyed by a professional land surveyor, and the top of casing for each well was recorded relative to mean sea level (see Table 3-3).

TABLE 3-3
TOP-OF-CASING SURVEY SUMMARY
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA

Well Number	State Plane Coordinates		Top of Casing (feet NAD88)	Top of Inner Well (feet NAD88)	Natural Ground (feet NAD88)
	Northing	Easting (Meters – NAD 83)			
SF-2-MW01	166627.8703	326749.7594	72.49	72.16	72.43
SF-2-MW03	166658.0288	326742.4877	70.77	70.53	70.64
SF-2-MW04	166647.1666	326773.1633	72.09	71.79	71.88
Notes: Horizontal Datum = North American Datum (NAD) 83 Vertical Datum = NAD88					

3.8.3 Monitoring Well Installation

The 2-inch diameter monitoring wells were installed using a hollow-stem auger rig and suitable tools. The initial 4 feet of each well boring was advanced with a hand auger of suitable diameter to clear underground utilities that may not have been identified as part the utility clearance activities. The total depth of SF-2-MW01 was 80 feet bls, and the total depth of SF-2-MW03 and SF-2-MW04 was 65 feet bls.

The newly installed monitoring wells were constructed of new, plastic-wrapped well materials. Each monitoring well was constructed with 2-inch inside diameter (ID) schedule 40 polyvinyl chloride (PVC) well screen and riser. The monitoring well screens were 15 feet long with factory machined 0.010-inch slots. The well screen length of 15 feet was chosen based on historical water level fluctuations that have been observed at Saufley Field Site 4 and Site 5. Each monitoring well screen was pre-packed with 30/40-grade silica sand.

Excess riser pipe was cut to fit within a flush mount 8-inch diameter protective manhole cover. A surface seal of sodium bentonite pellets and fine sand was emplaced above the well screen to prevent surface water from entering the well screen and each boring was grouted from the fine sand to the land surface. A summary of the monitoring well construction details is provided as Table 3-4.

TABLE 3-4
SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA

Well Designation	Installation Date	Well Diameter	Well Material	Total Depth (feet below top of casing)	Screened Interval (feet bls)	Top of Casing Elevation (feet NAD88)
SF-2-MW01	1/4/11	2-inch ID	PVC	80.27	65-80	72.49
SF-2-MW03	1/4/11	2-inch ID	PVC	65.78	50-65	70.77
SF-2-MW04	1/5/11	2-inch ID	PVC	65.89	50-65	72.09

3.8.4 Monitoring Well Development

Each monitoring well was developed with a submersible pump and new surgical grade Teflon[®] disposable tubing. Each monitoring well was considered developed once the pH, temperature, and conductivity of the extracted groundwater stabilized and the groundwater was visibly clear (20 Nephelometric Turbidity Unit [NTU] or less). Development water from the site was stored in labeled 55-gallon drums for subsequent disposal.

3.8.5 Monitoring Well Sampling

Groundwater samples were collected using low-flow purging and sampling with a submersible pump and surgical grade disposable Teflon[®] tubing. The groundwater samples were collected using the procedures specified in FDEP SOP FS 2200, Groundwater Sampling (FDEP, 2008).

Prior to groundwater sample collection, the monitoring wells were purged to remove stagnant water in the monitoring well casing. Both purging and sampling operations were conducted at a flow rate that resulted in a groundwater turbidity measurement of 10 NTU or less if possible in accordance with FDEP SOP FS 2200, Groundwater Sampling (FDEP, 2008) and the field parameter including pH, conductivity, and temperature were stabilized.

After collection, the samples were placed in a cooler with ice and shipped under chain-of-custody protocol to the fixed-base laboratory for analysis.

4.0 SITE ASSESSMENT RESULTS

4.1 SOIL ASSESSMENT RESULTS

Based on the soil conductivity measurements and soil samples collected in November 2010 for laboratory analysis, the lithologies observed from the conductivity measurements obtained during the MIP investigation appear to be typical of the undifferentiated Pleistocene marine deposits.

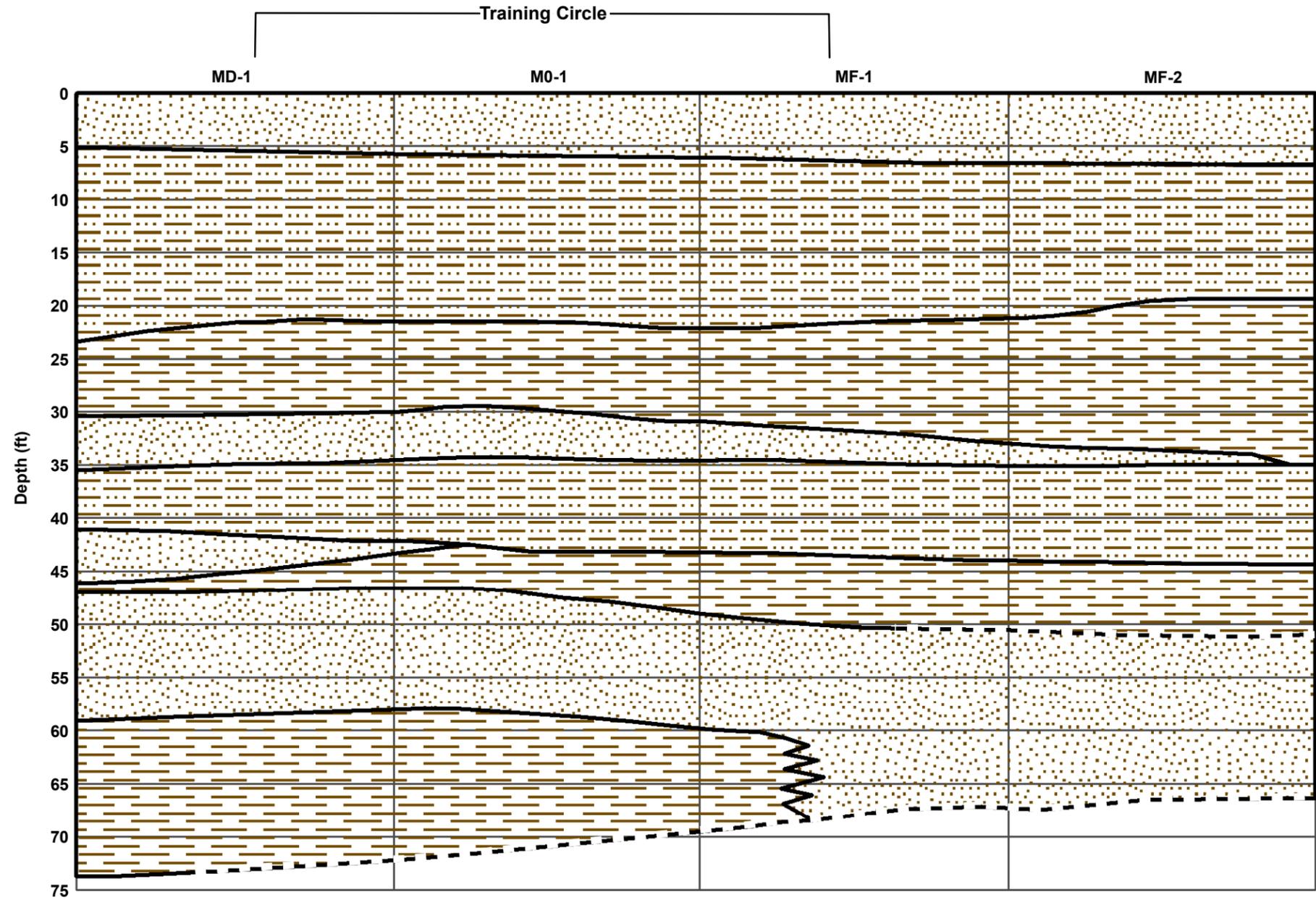
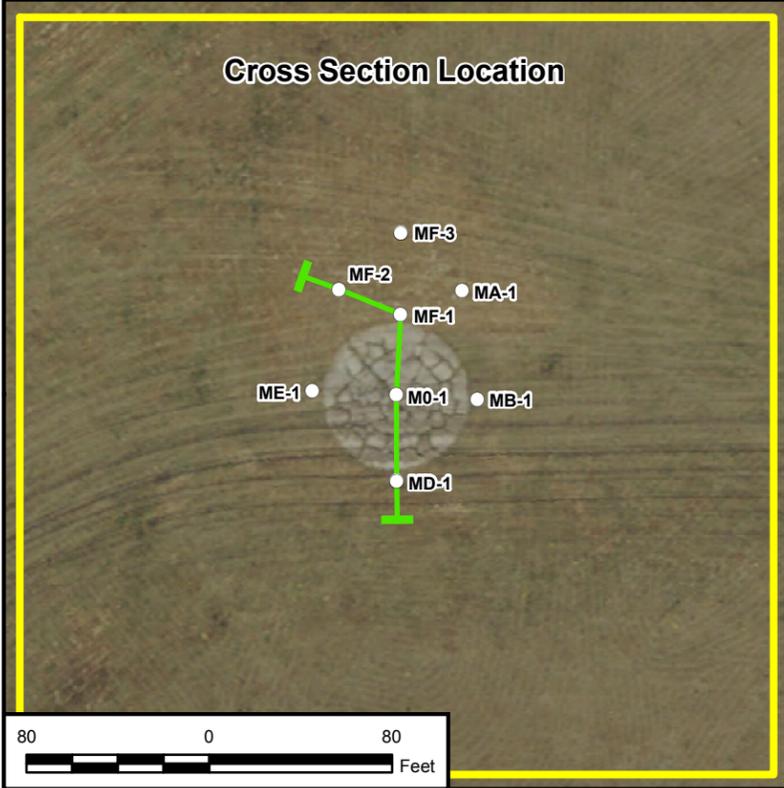
From the land surface to approximately 5 feet bls was a light brown to brown medium fine to fine grained sand that was underlain by a silty sand with varying clay content to approximately 20 to 24 feet bls (see Figure 4-1). Underlying the silty sand layer to a depth of approximately 30 to 34 feet bls was a clay layer approximately 5 to 13 feet thick that appeared to increase in thickness to the north. The clay layer was underlain by light brown-brown medium fine to fine grained sand from 30 to 35 feet bls that decreased in thickness to the north. Underlying the fine grained sand was silty sand with varying clay content to approximately 40 to 45 feet bls, and a clay layer (approximately 0.5 to 3 feet thick) that increased in thickness to the north. Beneath the clay layer was a tan fine to very fine grained sand that was underlain by a clay layer to the explored depths of approximately 68 to 74 feet bls.

Groundwater levels measured at the time LIF/MIP borings were completed in November 2010 ranged from approximately 48 to 65 feet bls and was thought to be perched based on the lithology encountered. Hollow-stem borings were completed in January 2011 for the installation of the monitoring wells. The first boring at the center of the concrete fire fighter training area was completed to approximately 85 feet bls because groundwater was not encountered until 65 feet bls at the time of drilling. The soils encountered at this boring location did not appear moist until approximately 65 feet bls, and after completion of the monitoring, the water level rose to a depth of 55 feet. Based on this information, monitoring wells MW-3 and MW-4 were completed to a depth of approximately 65 feet bls.

4.2 SOIL SAMPLING RESULTS

4.2.1 LIF/MIP Investigation Results

The LIF screening results are provided in the Appendix A of the Columbia Technologies Report, (Appendix A of the SAR) allow a comparison of the peaks on the LIF logs (chromatograms in the LIF log callout boxes) to the response of various random products saturated on wet sand (Appendix D of the Columbia Technologies Report) suggest that the residual petroleum contamination encountered at Site 2 most closely resembles the peaks for aviation gas. In addition, based on the very low responses by the



Legend

Soil Type

	Clay
	Sand
	Silty/Clayey/Sand

DRAWN BY	DATE
T. WHEATON	05/09/11
CHECKED BY	DATE
F. LESESNE	08/20/12
REVISED BY	DATE
SCALE AS NOTED	



CROSS SECTION PROFILE
SITE 2 - FIRE FIGHTER TRAINING AREA
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER	CTO NUMBER
2760	079
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 4-1	0

LIF instrumentation, free-phase product is not believed to be present. Additionally, the very low responses measured by the LIF instrumentation suggest that minimal concentrations of residual petroleum contamination were present. The highest LIF response appears to occur beneath the concrete fire fighter training pad near the interface of the light brown-brown medium fine to fine grained sand that was underlain at a depth of 5 feet bls by a silty sand with varying clay content (Please refer to Appendix A, Figures 2, 3, and 4, in the Columbia Technologies Report).

MIP screening data is provided in Appendix B (Best Fit Scales) and Appendix C (Collective Scale) of the Columbia Technologies Report. The MIP screening data also revealed very low instrument responses for the ECD, FID, and PID. The highest ECD response appears to occur at the western side of the concrete fire fighter training pad near the interface of the light brown to brown medium fine to fine grained sand that was underlain at a depth of 5 feet bls by a silty sand with varying clay content. (Please refer to Appendix A, Figures 12, 13, and 14, in the Columbia Technologies Report.)

The highest FID responses appear to occur at various depths beneath and north of the fire fighter training pad. The highest FID responses, potentially indicating residual petroleum contamination, occur at the interface of sands underlain by clay sediments and in the clay sediment (please refer to Appendix A, Figures 9, 17, and 18, in the Columbia Technologies Report).

The PID revealed very low instrument responses, which did not indicate the presence of residual petroleum contamination.

DPT groundwater sampling locations were to be selected based on the LIF and MIP results and slated to be collected via DPT and field screened using a mobile laboratory; however, a groundwater zone that could be sampled was not encountered during this portion of the Site 2 field investigation.

4.2.2 Surface and Subsurface Results

Nine DPT soil samples were collected at Site 2 including one surface soil and eight subsurface soil samples. Analytes detected in the soil samples include 1 VOC, 11 SVOCs, 7 pesticides, TRPH, and 22 metals. Only one pesticide (dieldrin) and one metal (arsenic) were detected at concentrations that exceed Florida SCTLs. PCBs were not detected in the soil samples. A summary of the analytes detected in soil samples are listed in Table 4-1 and exceedances are presented graphically on Figures 4-2 and 4-3. Laboratory analytical data is provided in Appendix C.

The soil samples that were collected for laboratory analysis were also field screened using the Florida head-space method with a FID/PID. The FID/PID did not indicate a response to any volatile organic vapors that may have been emitted from the soil samples (see Table 4-2).

TABLE 4-1
SUMMARY OF SOIL ANALYTICAL DETECTION RESULTS
SAUFLEY FIELD SITE 02
NOVEMBER 2010
PENSACOLA, FLORIDA

LOCATION SAMPLE ID DEPTH (ft bls) SAMPLE DATE	Industrial SCTL ⁽¹⁾	Residential SCTL ⁽²⁾	LBGW ⁽³⁾	SF-2-SAA1 SF-2-SAA1-0-2-112010 0 - 2' 11/17/2010	SF-2-SAA1 SF-2-SAA1-0-2-112010-D 0 - 2' 11/17/2010	SF-2-SBA1 SF-2-SBA1-2-4-112010 2 - 4' 11/17/2010	SF-2-SBA1 SF-2-SBA1-27-33-112010 27 - 33' 11/17/2010	SF-2-SBA1 SF-2-SBA1-46-47-112010 46 - 47' 11/17/2010	SF-2-SBF1 SF-2-SBF1-10-12-112010 10 - 12' 11/16/2010	SF-2-SBF1 SF-2-SBF1-50-55-112010 50 - 55' 11/17/2010	SF-2-SBF1 SF-2-SBF1-55-58-112010 55 - 58' 11/17/2010	SF-2-SBF1 SF-2-SBF1-61-63-112010 61 - 63' 11/17/2010
METALS (MG/KG)												
ALUMINUM	NA	80000	NA	8780	8200	9350	4630	2780	16500	4280	1690	5320
ANTIMONY	370	27	5.4	0.05 UJ	0.09 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.14 J	0.11 UJ	0.08 UJ	0.09 UJ
ARSENIC	12	2.1	NA	1.5	1.6	1.7	0.81 U	0.68 U	3.1	0.65 U	2.2	1.6
BARIIUM	130000	120	1600	19.9	21.2	9.6	4.5	5.3	4.8	7.5	3.3	14
BERYLLIUM	1400	120	63	0.1 J	0.09 J	0.1 J	0.04 J	0.04 J	0.08 J	0.05 J	0.03 J	0.13 J
CADMIUM	1700	82	7.5	0.16 J	0.19 J	0.008 J	0.008 J	0.01 J	0.04 J	0.008 U	0.006 U	0.007 U
CALCIUM	NA	NA	NA	3960 J	16000 J	528 J	57 J	37.4 J	48.4 J	31.8 J	21.3 U	175 J
CHROMIUM	470	210	38	6.6	6.1	6.7	4.7	3.5	10.5	2.8	12	6.6
COBALT	42000	1700	NA	0.7 J	0.65 J	0.46 J	0.19 J	0.1 J	0.22 J	0.11 J	0.02 J	0.13 J
COPPER	89000	150	NA	9.7	10.9	4.1	1.5 J	0.88 J	5.3	1 J	2.5	2.4
IRON	NA	53000	NA	3950	3580	4750	1170	758	8010	754	3670	3870
LEAD	1400	400	NA	17.4	19.2	4.7	3.6	3.5	3.6	4.5	1.6	7.8
MAGNESIUM	NA	NA	NA	225	282	193	38.4	62.6	107	103	37.8	188
MANGANESE	43000	3500	NA	96	98.4	26.6	5.7	5.5	22.6	2.4	4.6	23.7
MERCURY	17	3	2.1	0.04	0.04	0.008 J	0.001 J	0.001 U	0.007 J	0.005 J	0.007 J	0.3
NICKEL	35000	340	130	2.8	2.6 J	2.5 J	1.2 J	0.61 J	2.1	0.67 J	0.24 J	0.65 J
POTASSIUM	NA	NA	NA	140 J	158 J	152 J	111 J	192 J	232 J	296 J	85.9 J	409 J
SELENIUM	11000	440	5.2	0.32 J	0.33 J	0.34 U	0.36 U	0.35 U	0.21 U	0.38 U	0.54 J	0.32 U
SILVER	8200	410	17	0.27 J	0.32 J	0.07 J	0.05 U	0.04 U	0.03 UJ	0.05 U	0.05 J	0.04 U
SODIUM	NA	NA	NA	39.8 U	170	15.8 U	16.5 U	14 U	23.2 U	17.1 U	11.7 U	22.5 J
VANADIUM	10000	67	980	10.1	9.1	12	3.5	2.8	20.8	4	11.6	12.3
ZINC	630000	26000	NA	44	51.4	11	2.1 J	0.94 J	5.7	1.1 J	1.1 J	2.1
VOLATILES (UG/KG)												
TETRACHLOROETHENE	18000	8800	30	1.3 U	1.1 U	1 J	1.4 U	1.4 J	1.3 J	1.3 J	1.2 U	1 U
SEMIVOLATILES (UG/KG)												
ANTHRACENE	300000000	21000000	2500000	1.5 U	1.8 J	2.3 J	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U
BENZO(A)ANTHRACENE	NA	NA	800	14 J	12 J	8.3 J	5.8 J	2.1 U	2 U	6.7 J	6.2 J	5.8 J
BENZO(A)PYRENE	700	100	8000	11 J	8.9 J	4.4 J	3.7 U	3.7 U	3.5 U	3.8 U	4 U	3.8 U
BENZO(B)FLUORANTHENE	NA	NA	2400	18 J	15 J	8.7 J	2.7 U	2.7 U	2.6 U	2.8 U	2.9 U	2.8 U
BENZO(G,H,I)PERYLENE	52000000	2500000	32000000	8.4 J	5.4 J	2.4 J	2.2 U	2.2 U	2.1 U	2.3 U	2.4 U	2.3 U
BENZO(K)FLUORANTHENE	NA	NA	24000	5.3 J	4.1 J	3 U	3.4 U	3.4 U	3.3 U	3.6 U	3.7 U	3.6 U
CHRYSENE	NA	NA	77000	8 J	7 J	4.6 J	1.9 U	1.9 U	1.8 U	2 U	2 U	2 U
DIBENZO(A,H)ANTHRACENE	NA	NA	700	2.3 U	1.9 U	1.8 U	2 U	2 U	1.9 U	2.1 U	2.2 U	2.1 U
FLUORANTHENE	59000000	3200000	1200000	14 J	16 J	11 J	2 U	2 U	2.2 J	2.1 U	2.2 U	2.1 U
INDENO(1,2,3-CD)PYRENE	NA	NA	6600	7.8 J	4.9 J	2.3 J	2.1 U	2.1 U	2 U	2.2 U	2.3 U	2.2 U
PHENANTHRENE	36000000	2200000	250000	3.9 J	7.1 J	8.5 J	2 U	2 U	1.9 U	2.1 U	2.2 U	2.1 U
PYRENE	45000000	2400000	880000	11 J	13 J	8 J	2.3 U	2.3 U	2.2 U	2.4 U	2.5 U	2.4 U
BAP EQUIVALENT	700	100	8000	16.191	13.088	7.2496	3.68795	3.7	3.5	3.889	3.9995	3.799
PESTICIDES (UG/KG)												
4,4'-DDD	22000	4200	5800	0.46 J	0.45 J	0.042 U	0.045 U	0.043 U	0.48 J	0.047 U	0.046 U	0.044 U
4,4'-DDE	15000	2900	18000	1.4	1.3	0.15 J	0.075 J	0.041 U	0.55 J	0.045 U	0.044 U	0.042 U
4,4'-DDT	15000	2900	11000	1.9	1.7	0.12 J	0.14 J	0.066 U	0.18 J	0.073 U	0.072 U	0.068 U
ALDRIN	300	60	200	0.093 J	0.086 J	0.059 U	0.063 U	0.06 U	0.061 U	0.066 U	0.065 U	0.062 U
DIELDRIN	300	60	2	10	9.6	0.82	0.13 J	0.047 U	6.6	0.052 U	0.051 U	0.048 U
ENDOSULFAN I	NA	NA	NA	0.056 U	0.066 J	0.11 J	0.054 U	0.051 U	0.052 U	0.056 U	0.056 U	0.053 U
ENDRIIN ALDEHYDE	NA	NA	NA	0.38 J	0.44 J	0.1 U	0.11 U	0.1 U	0.11 U	0.12 U	0.11 U	0.11 U
PETROLEUM HYDROCARBONS (MG/KG)												
TPH (C08-C40)	2700000	460000	340000	47 J	43 J	18 J	12 J	2.4 U	11 J	2.4 UJ	2.8 UJ	2.4 UJ

Notes:

- ¹ Industrial Direct Soil Cleanup Criteria as provided in Chapter 62-777 F.A.C
- ² Residential Direct Soil Cleanup Criteria as provided in Chapter 62-777 F.A.C
- ³ Leachability Based on Groundwater Criteria as provided in Chapter 62-777 F.A.C
- BAP Equivalent = Benzo(a)pyrene equivalent
- ft bls = feet below land surface
- J = The analyte was detected but the concentration reported is an estimated value
- LBGW = Leachability based on groundwater
- MG/KG = Milligrams per kilogram
- NA = Not applicable
- TPH = Total Petroleum Hydrocarbons
- U = The analyte was not detected above laboratory method detection limit
- UG/KG = Micrograms per kilogram
- UJ = The analyte was not detected and estimated
- UR = The analyte was not detected and rejected
- SCTL = Soil cleanup target level
- Bold** indicates exceedance of regulatory limits



SF-2-SBF1 [10-12]
 METALS (MG/KG)
ARSENIC 3.1
 PESTICIDES (UG/KG)
DIELDRIN 6.6
SF-2-SBF1 [50-55]
 METALS (MG/KG)
 ARSENIC 0.65 U
 PESTICIDES (UG/KG)
 DIELDRIN 0.052 U
SF-2-SBF1 [55-58]
 METALS (MG/KG)
ARSENIC 2.2
 PESTICIDES (UG/KG)
 DIELDRIN 0.051 U
SF-2-SBF1 [61-63]
 METALS (MG/KG)
 ARSENIC 1.6
 PESTICIDES (UG/KG)
 DIELDRIN 0.048 U



SF-2-SAA1 [0-2]
 METALS (MG/KG)
 ARSENIC 1.5
 PESTICIDES (UG/KG)
DIELDRIN 10
SF-2-SAA1 [0-2]-D
 METALS (MG/KG)
 ARSENIC 1.6
 PESTICIDES (UG/KG)
DIELDRIN 9.6
SF-2-SBA1 [2-4]
 METALS (MG/KG)
 ARSENIC 1.7
 PESTICIDES (UG/KG)
 DIELDRIN 0.82
SF-2-SBA1 [27-33]
 METALS (MG/KG)
 ARSENIC 0.81 U
 PESTICIDES (UG/KG)
 DIELDRIN 0.13 J
SF-2-SBA1 [46-47]
 METALS (MG/KG)
 ARSENIC 0.68 U
 PESTICIDES (UG/KG)
 DIELDRIN 0.047 U

Soil Cleanup Target Levels (SCTL) per Chapter 62-777, Florida Administrative Code

Analyte	Residential	Industrial	Leachability to Groundwater
	Direct Exposure	Direct Exposure	
Arsenic	2.1 mg/kg	12 mg/kg	SPLP
Dieldrin	60 ug/kg	300 ug/kg	2 ug/kg

SPLP = Synthetic Precipitation Leaching Procedure
 mg/kg = milligrams per kilogram
 ug/kg = micrograms per kilogram
 Results in **red bold** exceed Florida SCTL

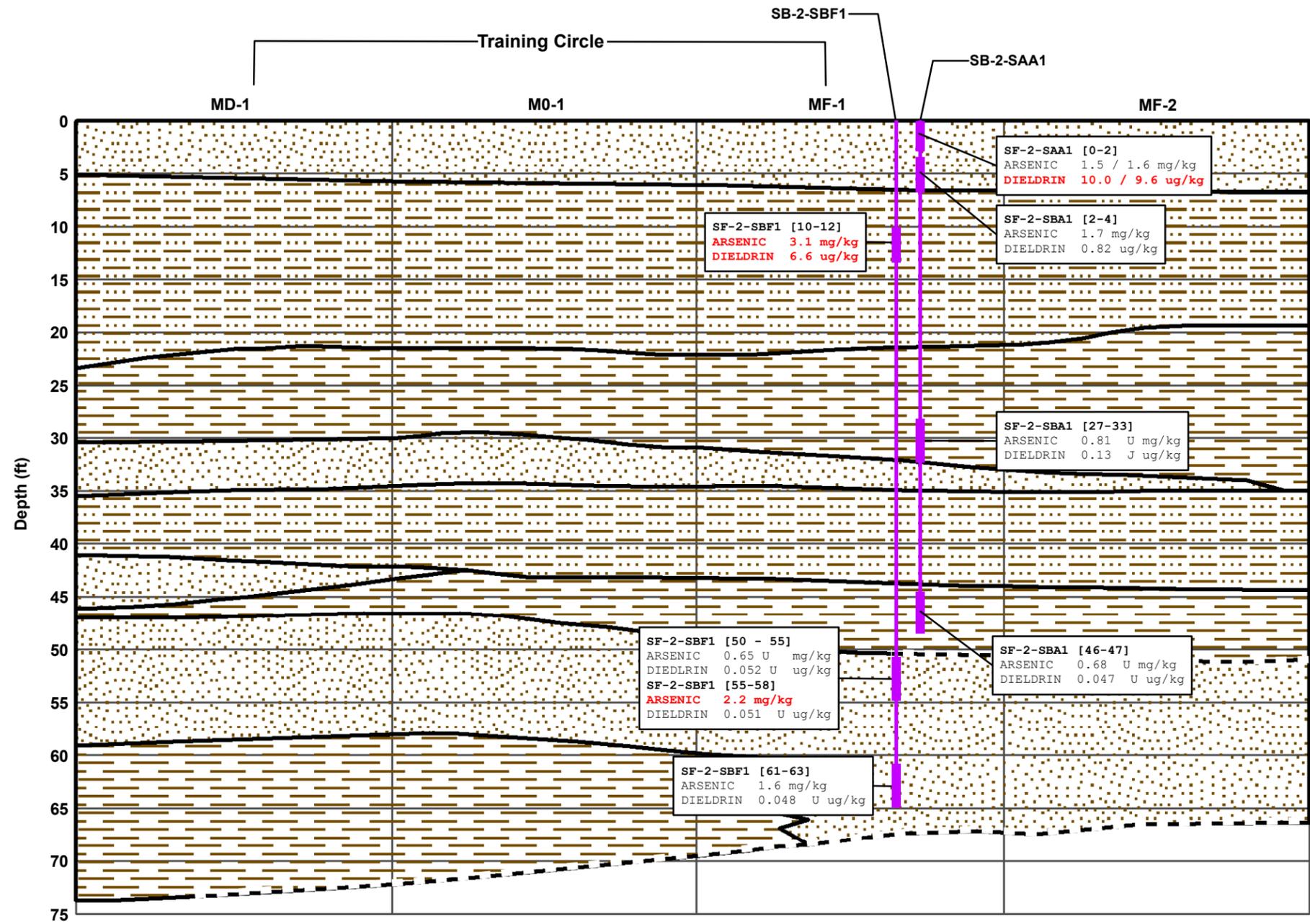
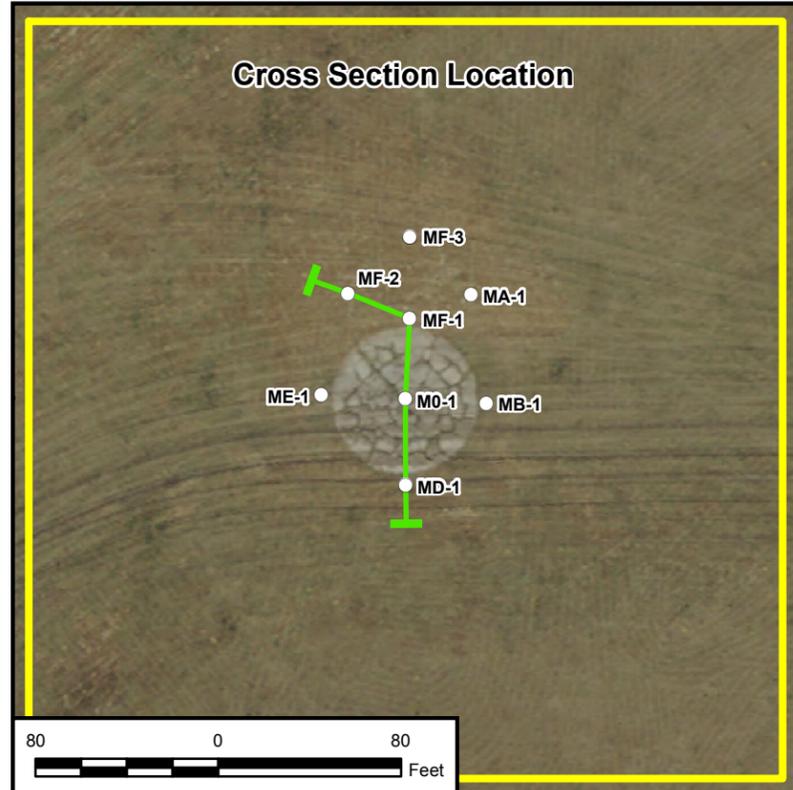


DRAWN BY	DATE
T. WHEATON	05/09/11
CHECKED BY	DATE
F. LESESNE	08/20/12
REVISED BY	DATE
SCALE AS NOTED	



SOIL SAMPLE AND REGULATORY EXCEEDANCE LOCATIONS
 NOVEMBER 2010
 SITE 2 - FIRE FIGHTER TRAINING AREA
 SAUFLEY FIELD
 PENSACOLA, FLORIDA

CONTRACT NUMBER	CTO NUMBER
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 4-2	0



Legend

Soil Type

- Clay
- Sand
- Silty/Clayey/Sand

Soil Cleanup Target Levels (SCTL) per Chapter 62-777, Florida Administrative Code

Analyte	Residential	Industrial	Leachability to Groundwater
	Direct Exposure	Direct Exposure	
Arsenic	2.1 mg/kg	12 mg/kg	SPLP
Dieldrin	60 ug/kg	300 ug/kg	2 ug/kg

SPLP = Synthetic Precipitation Leaching Procedure
 mg/kg = milligrams per kilogram
 ug/kg = micrograms per kilogram
 Results in **red bold** exceed Florida SCTL

DRAWN BY J. ENGLISH	DATE 08/20/12
CHECKED BY F. LESESNE	DATE 08/28/12
REVISOR BY	DATE
SCALE AS NOTED	



CROSS SECTION PROFILE WITH SOIL SAMPLE RESULTS
 SITE 2 - FIRE FIGHTER TRAINING AREA
 SAUFLEY FIELD
 PENSACOLA, FLORIDA

CONTRACT NUMBER 2760	CTO NUMBER 079
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO. FIGURE 4-3	REV 0

TABLE 4-2
SUMMARY OF FID SCREENING RESULTS
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA

Soil Sample Identification	Unfiltered Reading (parts per million)
SF-2-SAA1-0-2-11/2010	0.0
SF-2-SBA1-2-4-11/2010	0.0
SF-2-SBA1-27-33-11/2010	0.5
SF-2-SBA1-46-47-11/2010	0.0
SF-2-SBF1-10-12-11/2010	0.0
SF-2-SBF1-50-55-11/2010	0.0
SF-2-SBF1-55-58-11/2010	0.0
SF-2-SBF1-61-63-11/2010	0.0

The only VOC detected in the subsurface soil samples was tetrachloroethene at estimated (“J” qualifier) concentrations that ranged from 1 to 1.4 micrograms per kilogram (µg/kg). Tetrachloroethene was not detected at concentrations that exceeded its Florida SCTLs.

SVOCs detected in the soil samples included anthracene (estimated concentrations ranged from 1.3 to 2.3 µg/kg), benzo(a)anthracene (estimated concentrations ranging from 5.8 to 14 µg/kg), benzo(a)pyrene (estimated concentrations ranging from 4.4 to 11 µg/kg), benzo(b)fluoranthene (estimated concentrations ranged from 8.7 to 18 µg/kg), benzo(g,h,i)perylene (estimated concentrations ranged from 2.4 to 8.4 µg/kg), benzo(k)fluoranthene (estimated concentrations ranged from 4.1 to 5.3 µg/kg), chrysene (estimated concentrations ranged from 4.6 to 8 µg/kg), fluoranthene (estimated concentrations ranged from 2.2 to 16 µg/kg), indeno(1,2,3-cd)pyrene (estimated concentrations ranged from 2.3 to 7.8 µg/kg), phenanthrene (estimated concentrations ranged from 3.9 to 8.5 µg/kg), and pyrene (estimated concentrations ranged from 8 to 13 µg/kg). None of the SVOCs was detected at concentrations that exceeded their Florida SCTLs.

Carcinogenic PAHs (cPAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a)anthracene, and indeno(1,2,3-cd)pyrene were evaluated as benzo(a)pyrene equivalents. The calculated benzo(a)pyrene equivalents concentrations ranged from 3.5 to 16.2 µg/kg. The cPAHs did not exceed the Florida benzo(a)pyrene equivalent SCTLs for Residential (100 µg/kg) and Industrial Direct Exposure (700 µg/kg).

Pesticides detected in the soil samples include 4,4'-dichlorodiphenyldichloroethane (estimated concentrations ranged from 0.45 to 0.48 µg/kg), 4,4'-dichlorodiphenyldichloroethylene (estimated concentrations ranged from 0.075 to 1.4 µg/kg), 4,4'-dichlorodiphenyltrichloroethane (estimated concentrations ranged from 0.12 to 1.9 µg/kg), aldrin (estimated concentrations ranged from 0.086 to

0.093 µg/kg), dieldrin (estimated concentrations ranged from 0.13 to 10 µg/kg), endosulfan I (estimated concentrations ranged from 0.066 to 0.11 µg/kg), and endrin aldehyde (estimated concentrations ranged from 0.38 to 0.44 µg/kg). Only dieldrin was detected at concentrations that exceeded a Florida SCTL.

Dieldrin exceeded the Florida SCTL for leachability to groundwater at surface soil sample location SF-2-SAA1 (10 µg/kg) and its duplicate (9.6 µg/kg) collected at 0 to 2 feet bls and at subsurface soil sample location SF-2-SBF1 (9.6 µg/kg) collected at 10 to 12 feet bls. The subsurface soil samples collected at depths of 2 to 4 feet bls, 27 to 33 feet bls, 46 to 47 feet bls, 50 to 55 feet bls, 55 to 58 feet bls, and 61 to 63 feet bls did not contain dieldrin at concentrations exceeding the Florida SCTL for Leachability to Groundwater. Because dieldrin does not exceed the Florida Leachability to Groundwater SCTL in the majority of the deeper soil samples, it is not likely that dieldrin is leaching from soil to groundwater at the location of Site 2.

TRPH was detected at estimated concentrations ranging from 11 to 47 milligrams per kilogram (mg/kg). TRPH was not detected at concentrations that exceed its Florida SCTLs.

Metals detected in the soil samples include aluminum (from 9,350 to 16,500 mg/kg), antimony (estimated 0.14 mg/kg), arsenic (from 1.5 to 3.1 mg/kg), barium (from 3.3 to 21.2 mg/kg), beryllium (estimated from 0.03 to 0.13 mg/kg), cadmium (estimated from 0.008 to 0.19 mg/kg), calcium (estimated from 31.8 to 16,000 mg/kg), chromium (from 2.8 to 12 mg/kg), cobalt (estimated from 0.02 to 0.7 mg/kg), copper (from estimated 0.88 to 10.9 mg/kg), iron (from 754 to 8,010 mg/kg), lead (from 1.6 to 19.2 mg/kg), magnesium (from 37.8 to 282 mg/kg), manganese (from 2.4 to 98.4 mg/kg), mercury (from estimated 0.001 to 0.3 mg/kg), nickel (from estimated 0.24 to 2.8 mg/kg), potassium (estimated from 85.9 to 409 mg/kg), selenium (estimated from 0.32 to 0.54 mg/kg), silver (estimated from 0.05 to 0.32 mg/kg), sodium (from estimated 22.5 to 170 mg/kg), vanadium (from 2.8 to 20.8 mg/kg), and zinc (estimated from 0.94 to 51.4 mg/kg).

Arsenic was detected in two of the subsurface soil samples, SF-2-SBF1-10-12-112010 (3.1 mg/kg) collected at 10 to 12 feet bls and SF-2-SBF1-55-58-112010 (2.2 mg/kg) collected at 55 to 58 feet bls at concentrations that exceed Florida's Residential Direct Exposure SCTL of 2.1 mg/kg, but less than the Industrial Direct Exposure SCTL of 12 mg/kg. Based on the depths of the samples, 10 to 12 feet bls and 55 to 58 feet bls, Residential and Industrial direct exposures to soil are unlikely to occur.

4.3 GROUNDWATER ASSESSMENT RESULTS

Based on MIP/LIF and soil sample laboratory analytical results, three locations (source area and two down gradient areas) for the installation of monitoring wells were selected by the Saufley Field Project Team.

4.3.1 Groundwater Sampling Results

Based on the laboratory analysis of the groundwater samples, VOCs, SVOCs, pesticides, PCBs, and TRPH were not detected in the groundwater samples; however, two metals (cadmium and chromium) were detected (see Table 4-3 and Figure 4-4).

- Cadmium was detected in groundwater samples collected from monitoring wells SF-2-MW01, SF-2-MW03, and the duplicate sample collected from SF-2-MW04 at estimated concentrations of 0.06, 0.05, and 0.07 µg/L, respectively. All detected cadmium concentrations were below Florida's Primary MCL of 5 µg/L per Chapter 62-550, F.A.C.
- Chromium was detected in groundwater samples collected from monitoring wells SF-2-MW01, SF-2-MW03, SF-2-MW04, and its duplicate at estimated concentrations of 2.7, 4.1, 1.7, and 1.7 µg/L, respectively. All detected chromium concentrations were below Florida's Primary MCL of 100 µg/L per Chapter 62-550, F.A.C.

TABLE 4-3

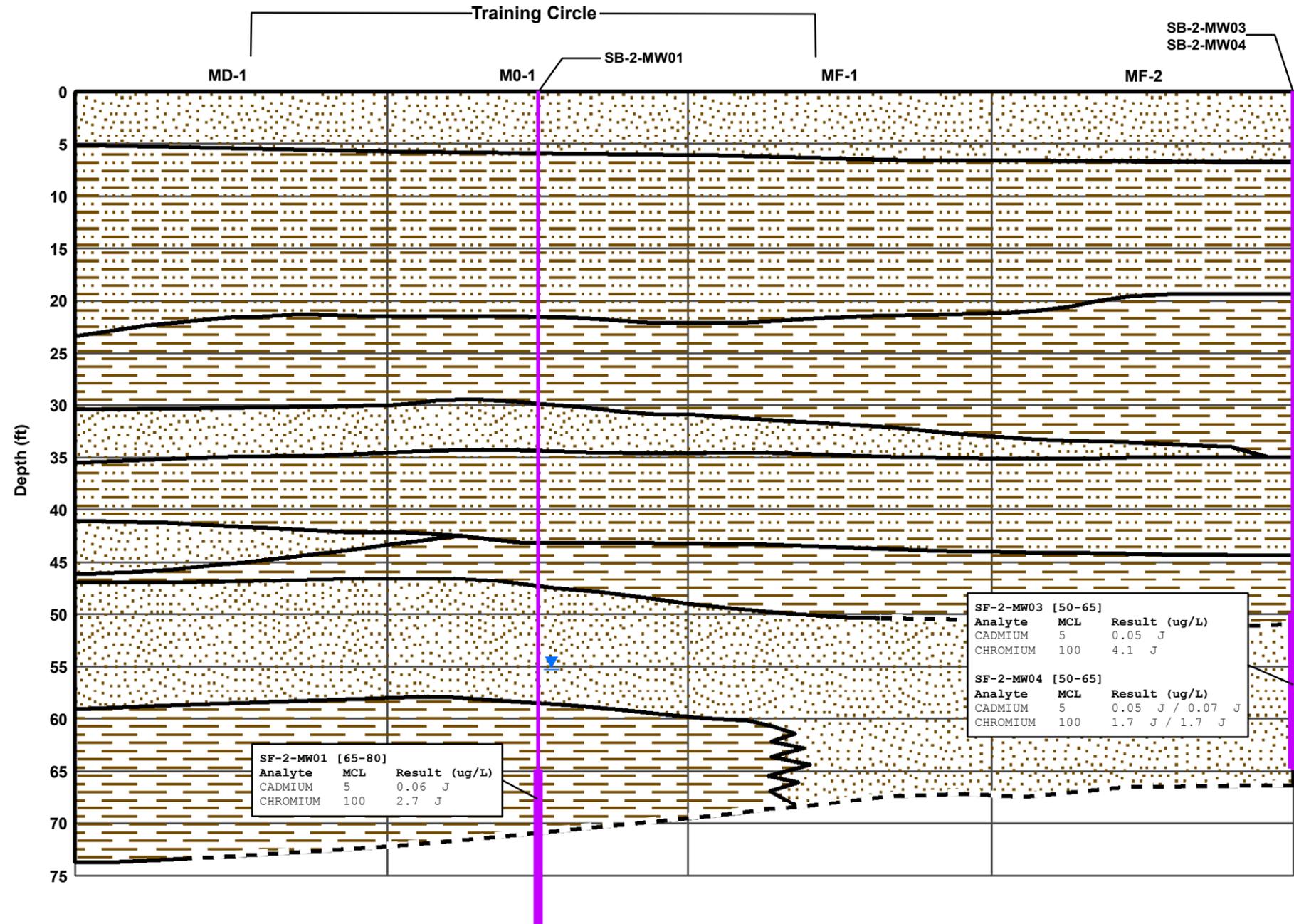
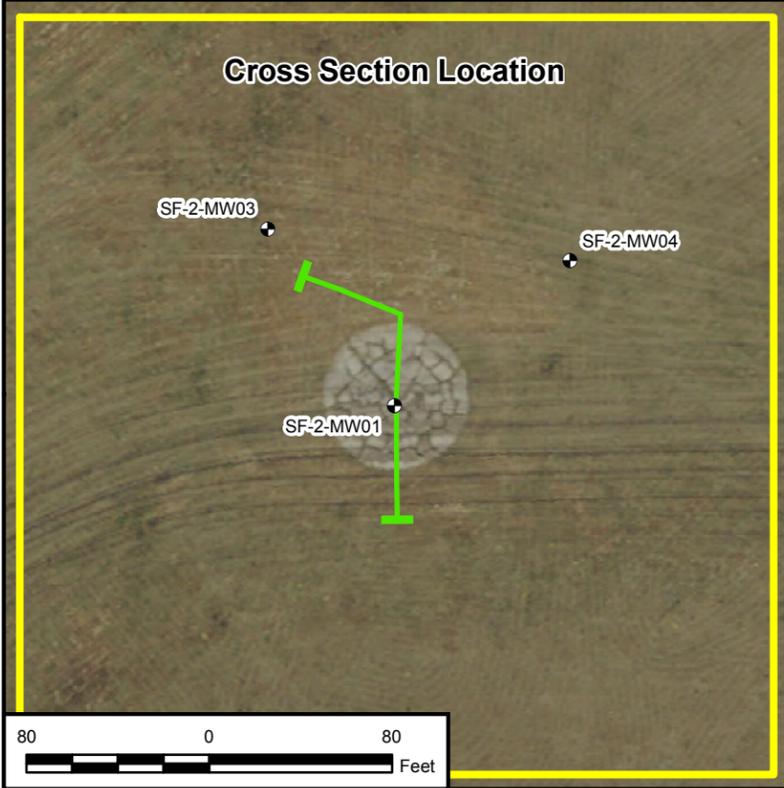
**SUMMARY OF GROUNDWATER ANALYTICAL DETECTION RESULTS, JANUARY 2011
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA**

Location	Florida MCL ¹	SF-2-MW01	SF-2-MW03	SF-2-MW04	SF-2-MW04
Sample Identification		SF-2-MW01-80- 012011	SF-2-MW03-65- 012611	SF-2-MW04-65- 012511	SF-2-MW04-65- 012011-D
Sample Date		1/24/2011	1/26/2011	1/25/2011	1/25/2011
<u>Metals (µg/L)</u>					
Cadmium	5	0.06 J	0.05 J	0.05 U	0.07 J
Chromium	100	2.7 J	4.1 J	1.7 J	1.7 J
Notes: ¹ Maximum Contaminant Level per Chapter 62-550, Florida Administrative Code µg/L – micrograms per liter J = The analyte was detected but the concentration reported is an estimated value. U = The analyte was not detected above laboratory method detection limit.					

4.4 **SITE SPECIFIC HYDROGEOLOGY**

4.4.1 Static Water Levels and Groundwater Elevations

On-site depth to groundwater measurements and groundwater elevation determinations were recorded from the surveyed top of well casings for the site monitoring wells in two separate events in January 2011 (see Table 4-4). The water level measurements are compiled and are provided in Appendix B. The depth to groundwater measurement data and the surveyed elevations were used to determine groundwater elevations at each monitoring well. The depth to groundwater beneath the top of the well



Legend

- Monitoring Well Location
- ug/L micrograms per liter
- MCL Maximum Contaminant Level per Chapter 62-550, Florida Administrative Code
- Water Level

Soil Type

- Clay
- Sand
- Silty/Clayey/Sand

DRAWN BY	DATE
J. ENGLISH	08/20/12
CHECKED BY	DATE
F. LESESNE	08/28/12
REVISED BY	DATE
SCALE AS NOTED	



CROSS SECTION PROFILE WITH
GROUNDWATER SAMPLING RESULTS
SITE 2 - FIRE FIGHTER TRAINING AREA
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER	CTO NUMBER
2760	079
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 4-4	0

casings on January 6, 2011, ranged from 54.84 to 55.92 feet and on January 26, 2011, ranged from 54.98 to 55.87 feet. Light non-aqueous phase liquid was not present during either water level measurement event.

The average horizontal groundwater gradient across the site was calculated from the groundwater elevations measured in shallow monitoring wells and the estimated groundwater flow direction. The groundwater flow gradient was determined using the following equation:

$$l = \frac{h_1 - h_2}{d}$$

where:

l = the hydraulic gradient

h_1 = the water elevation at point 1, the highest value

h_2 = the water elevation at point 2, the lowest value

d = the horizontal distance between point 1 and point 2 parallel to the direction of groundwater flow

The horizontal distance between the high and low groundwater elevation points was measured parallel to the estimated groundwater flow direction based on the potentiometric surface shown in Figure 4-5 and Figure 4-6. The average hydraulic gradient for measurement made on January 6 and 26, 2011, was 0.015 (see Table 4-5). Based on the January 2011 groundwater level measurements, groundwater flow at Site 2 is generally toward the north-northwest (see Figure 4-5 and Figure 4-6). The water level measurements are compiled and provided in Appendix B.

4.4.2 Hydraulic Conductivity and Groundwater Flow Velocity

Hydraulic conductivity values were not determined by conducting slug test as part of the Site 2 investigation. Hydraulic information is available from a nearby petroleum site (Site 2406) located approximately 2,500 feet south of Site 2. Aquifer testing in the form of slug tests was completed at Site 2406. The slug test results are summarized for monitoring wells screened from 74.5 to 79.5 feet bls as shown in Table 4-6. The geometric mean of the hydraulic conductivity values for the shallow wells at Site 2406 is approximately 10.08 feet per day or 0.007 foot per minute.

TABLE 4-4
GROUNDWATER ELEVATIONS, JANUARY 2011
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA

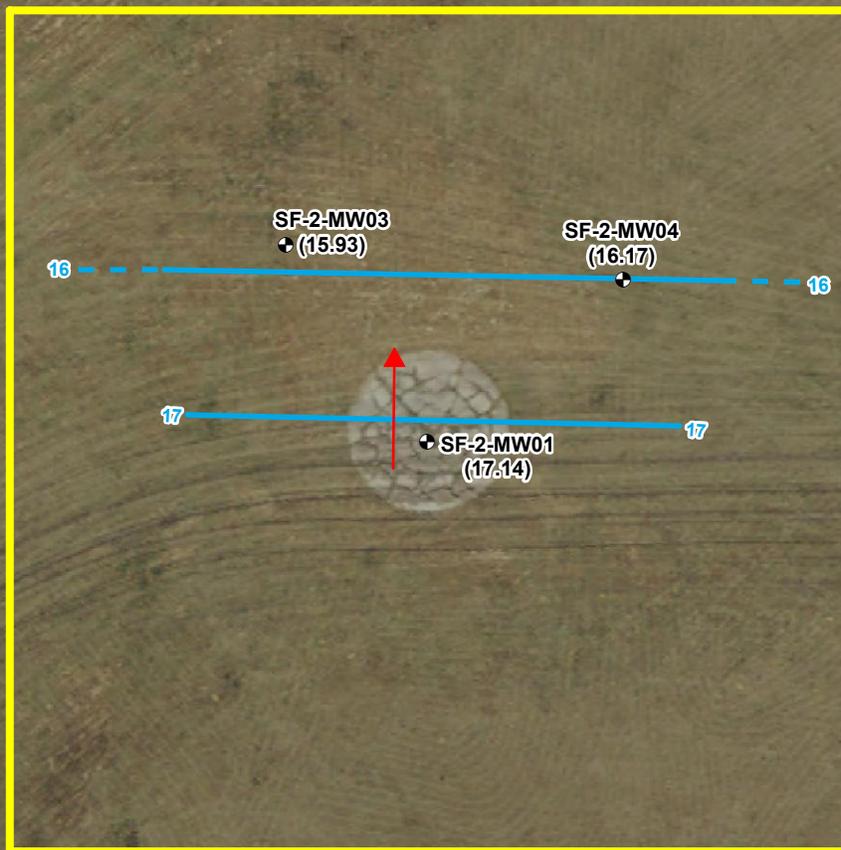
Well Number	Total Depth (feet below top of casing)	Top of Casing (Feet NAD88)	Depth to Groundwater (from top of casing) 1/6/11	Groundwater Elevation 1/6/11	Depth to Groundwater (from top of casing) 1/26/11	Groundwater Elevation 1/26/11
SF-2-MW01	80.27	72.49	55.35	17.14	54.98	17.51
SF-2-MW03	65.89	70.77	54.84	15.93	55.87	14.90
SF-2-MW04	65.78	72.09	55.92	16.17	55.59	16.50

**TABLE 4-5
AVERAGE HYDRAULIC GRADIENT
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA**

Well Pair	Groundwater Elevation (feet) (H₁-H₂)	Horizontal Distance (feet) (d)	Hydraulic Gradient (feet per foot)
SF-2-MW01 / SF-2-MW03	1.21	100	0.01
SF-2-MW01 / SF-2-MW03	2.61	100	0.02
Average Hydraulic Gradient (feet per foot)			0.015

**TABLE 4-6
SLUG TEST RESULTS FOR UST SITE 2406
SITE 2
SAUFLEY FIELD
PENSACOLA, FLORIDA**

Well Designation	Screen Length (feet)	Screened Interval (feet)	Water Column (feet)	Calculated Hydraulic Conductivities (feet per minute)		
OLFS-2406-DMW30	5	74.5-79.5	41.92	0.01778	0.01635	0.01694
OLFS-2406-DMW31	5	74.5-79.5	50.93	0.003234	0.003258	0.003001
Note: Source: Site Assessment Report Addendum for UST Site 2406						

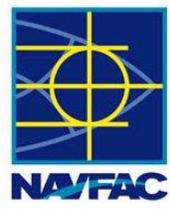


Legend

- Monitoring Well Location
- (17.14)** Groundwater Elevation (feet above mean sea level)
- Potentiometric Contour Line (1-ft Interval, feet above MSL, dashed where inferred)
- Groundwater Flow Direction
- Site 2 - Fire Fighter Training Area



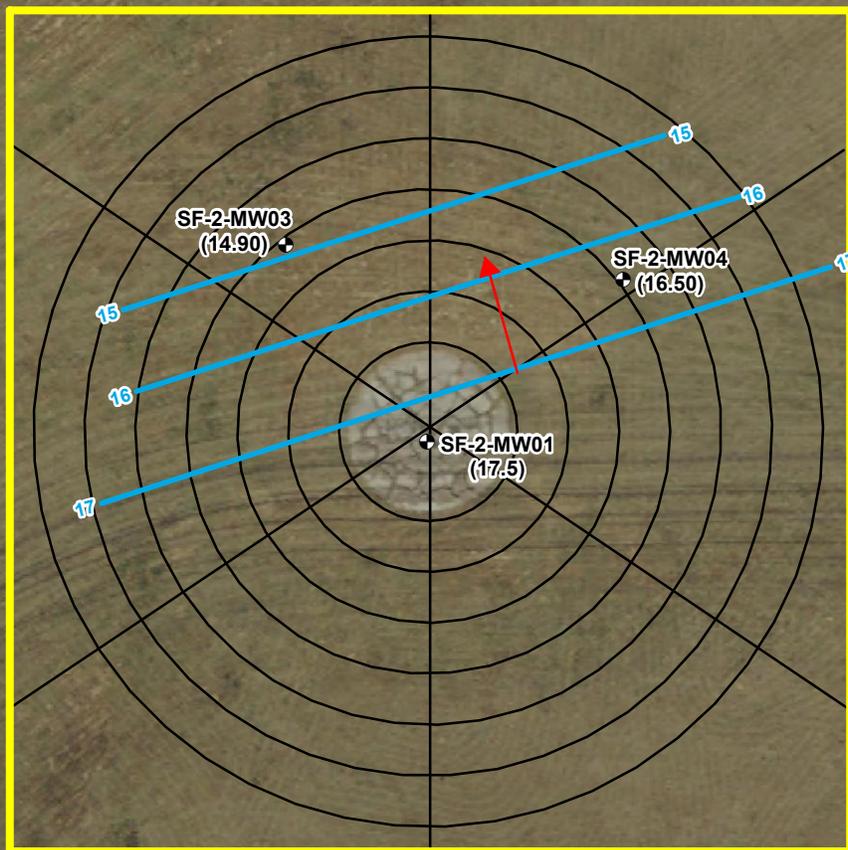
DRAWN BY	DATE
T. WHEATON	05/09/11
CHECKED BY	DATE
F. LESESNE	08/20/12
REVISED BY	DATE



GROUNDWATER CONTOUR MAP
JANUARY 6, 2011
SITE 2 - FIRE FIGHTER TRAINING AREA
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER	CTO NUMBER
2760	079
APPROVED BY	DATE
_____	_____
APPROVED BY	DATE
_____	_____
FIGURE NO.	REV
FIGURE 4-5	0

SCALE
AS NOTED



Legend

- Monitoring Well Location
- Groundwater Elevation (feet above mean sea level)
- Groundwater Flow Direction
- Potentiometric Contour Line (1-ft Interval, feet above MSL)
- Site 2 - Fire Fighter Training Area



DRAWN BY	DATE
T. WHEATON	05/09/11
CHECKED BY	DATE
F. LESESNE	08/20/12
REVISED BY	DATE



GROUNDWATER CONTOUR MAP
JANUARY 26, 2011
SITE 2 - FIRE FIGHTER TRAINING AREA
SAUFLEY FIELD
PENSACOLA, FLORIDA

CONTRACT NUMBER	CTO NUMBER
2760	079
APPROVED BY	DATE
_____	_____
APPROVED BY	DATE
_____	_____
FIGURE NO.	REV
FIGURE 4-6	0

Potential movement of groundwater by natural flow (theoretical groundwater seepage [linear] velocity) in the saturated zone for Site 2 can be estimated by Darcy's Law, which may be expressed as follows:

$$V = \frac{K \times l}{\eta}$$

where:

V = average velocity

K = hydraulic conductivity

η = effective porosity

l = average hydraulic gradient

Data from soil borings advanced during this investigation indicated that fine grained sand and silty or clayey sand is the typical lithologies at Saufley Field. Review of field data suggests that a representative effective porosity for this lithology is approximately 20 percent. Using an average hydraulic conductivity of 10 feet per day, an average hydraulic gradient of 0.015 foot per foot, and an effective porosity value of 20 percent, the estimated average groundwater velocity for the water table zone at Site 2 was calculated at 0.015 foot per day or about 273 feet per year.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

A Triad approach was used to determine if fire fighter training activities affected the surface soil, subsurface soil, and groundwater at Site 2. The following is based on the analytical results and information collected during November 2010 and January 2011:

- Comparison of the peaks on the LIF logs to the response of various random products saturated on wet sand suggest that the residual petroleum contamination encountered at Site 2 most closely resembles the peaks for aviation gas.
- Based on the very low responses by the LIF instrumentation, free-phase product was not believed to be present.
- The very low responses measured by the LIF instrumentation suggest that minimal concentrations of residual petroleum contamination are present. The highest LIF response appears to occur beneath the concrete fire fighter training pad at a depth of approximately 5 feet bls.
- The MIP screening data also revealed very low instrument responses for the ECD, FID, and PID. The highest ECD response appears to occur at the western side of the concrete fire fighter training pad at a depth of approximately 5 feet bls.
- The highest FID responses appear to occur at various depths beneath and north of the fire fighter training pad. The highest FID responses potentially indicating residual petroleum contamination occur at the interface of sands underlain by clay sediments and in the clay sediment.
- The PID response revealed very low instrument responses, which did not indicate the presence of residual petroleum contamination.
- Nine soil samples were collected from areas of interest indentified in November 2010 during the MIP/LIF investigation and submitted to a fixed-based laboratory for analyses.
- Based on the laboratory analysis of the soil samples, PCBs were not detected; however, 1 VOC, 12 SVOCs, 7 pesticides, TRPH, and 22 metals were detected in the soil samples. Only one pesticide (dieldrin) and one metal (arsenic) exceeded Florida SCTLs.
- Dieldrin was detected in one surface soil sample (SF-2-SAA1-0-2-112010) and its duplicate and one subsurface sample (SF-2-SBA1-46-47-112010) at concentrations of 6.6 µg/kg, 10 µg/kg, and 9.6 µg/kg, respectively, which exceed Florida's Leachability to Groundwater Criterion of 2.0 µg/kg. Dieldrin was not detected in the groundwater samples; therefore, leachability to groundwater is not a concern.

- Arsenic was detected in two subsurface samples, SF-2-SBF1-10-12-11210 (collected at 10 to 12 feet bls) and SF-2-SBF1-55-58-112010 (collected at 55 to 58 feet bls), at concentrations of 3.1 mg/kg and 2.2 mg/kg, respectively, which exceed Florida's Residential Direct Exposure SCTL of 2.1 mg/kg. Direct exposure is not a concern, however, based on the depths at which these samples were collected.
- The average groundwater horizontal hydraulic gradient of the site is 0.015 foot per foot.
- The groundwater flow direction is toward the north-northwest.
- Based on aquifer testing completed at Site 2406 and the average groundwater horizontal hydraulic gradient at Site 2, the theoretical groundwater seepage (linear) velocity is calculated to be approximately 273 feet per year.
- Three 2-inch diameter monitoring wells were installed and three groundwater samples and one duplicate were collected during the January 2011 field event.
- Based on the laboratory analysis of the groundwater samples, VOC, SVOCs, pesticides, PCBs, and TRPH were not detected in the groundwater samples; however, two metals (cadmium and chromium) were detected.
- Cadmium was detected in groundwater samples collected from monitoring wells SF-2-MW01, SF-2-MW03, and the duplicate sample collected from SF-2-MW04 at estimated concentrations of 0.06, 0.05, and 0.07 µg/L, respectively. Cadmium concentrations were below Florida's Primary MCL of 5 µg/L per Chapter 62-550, F.A.C.
- Chromium was detected in groundwater samples collected monitoring wells SF-2-MW01, SF-2-MW03, and SF-2-MW04 and its duplicate at estimated concentrations of 2.7, 4.1, 1.7, and 1.7 µg/L, respectively. Chromium concentrations were below Florida's Primary MCL of 100 µg/L per Chapter 62-550, F.A.C.

Based on a comparison of Florida regulatory criteria outlined in Contaminated Site Cleanup Criteria per Chapter 62-780.680, F.A.C., from the results of the Site 2 surface soil, subsurface soil, and groundwater sampling events it is reasonable to conclude that fire fighter training activities have not had an adverse affect at the site. The site assessment and regulatory comparison found the following:

- Free-phase product was not present.
- Based on the laboratory analysis of the soil samples, PCBs were not detected; however, 1 VOC, 12 SVOCs, 7 pesticides, TRPH, and 22 metals were detected in the soil samples. Only one metal (arsenic) and one pesticide (dieldrin) were detected at concentrations that exceeded Florida SCTLs.

- Arsenic exceeded the Florida residential direct exposure SCTL, but not the industrial direct exposure SCTL.
- Residential direct exposure to arsenic is unlikely due to the depth at which the exceedances occurred.
- Dieldrin in subsurface soil was below the Florida residential direct exposure SCTL, but exceeded the Florida leachability to groundwater SCTL. Dieldrin was not detected in the groundwater samples.
- VOC, SVOCs, pesticides, PCBs, and TRPH were not detected in the groundwater samples.
- Only cadmium and chromium were detected in the groundwater samples at concentrations below their MCLs.
- Groundwater contamination was not present.

5.2 RECOMMENDATIONS

Therefore, Tetra Tech recommends that no additional assessment activities be conducted and No Further Action per Chapter 62-780.680, F.A.C., for Site 2 is appropriate. Tetra Tech also recommends that the monitoring wells at Site 2 be kept as background for Site 1 based on the groundwater flow direction and hydraulic upgradient location relative to Site 1.

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APPENDIX A

NOVEMBER 2010 LIF/MIP DATA

**Subsurface Characterization Using
Laser Induced Fluorescence (LIF),
Membrane Interface Probe (MIP) and
Soil Conductivity (SC) Technologies
Fire Fighting Training Area
Saufley Field, Pensacola, Florida**

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November 24, 2010

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Figure 3.... Transect View Relative Azimuth 180°, Looking North, LIF Response > 2%RE

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Figure 5.... Sitemap and MIP Locations

Figure 6.... Plan View, PID Response >2.1E+05uV

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APPENDICES

Appendix A: LIF/UVOST[®] Logs

Appendix B: MIP Logs (Individual Scale)

Appendix C: MIP Logs (Collective Scale)

Appendix D: UVOST Response to Various Random Products Saturated on Wet Sand

Introduction

Tetra Tech, NUS (TTNUS) contracted **COLUMBIA Technologies, LLC (COLUMBIA)** to conduct an investigation of subsurface contamination at the Fire Fighting Training Area site, located in Saufley Field, Pensacola, Florida. This investigation involved delineating the depth and horizontal extent of free product and residual petroleum contamination using Laser Induced Fluorescence/Ultraviolet Optical Screening Tool (LIF/UVOST[®]) technology, delineating the total volatile organic compound (VOC) contamination, including dissolved phase, vapor phase and sorbed phase using Membrane Interface Probe (MIP) technology, and characterizing soil electrical conductivity using Soil Conductivity (SC) technology.

The investigation was conducted November 11, 2010 through November 16, 2010, and consisted of seven LIF/UVOST[®] screening locations and eight MIP/SC screening locations to depths ranging from 41 feet to 74 feet below ground surface (bgs). A Geoprobe[®] Direct Push Technology (DPT) drilling rig was used to advance the locations.

Objectives

The objectives of this LIF/UVOST[®] and MIP/SC investigation were to:

- Delineate in high resolution the vertical and horizontal extent of residual and free product petroleum based contamination in the investigation area.
- Delineate in high resolution the vertical and horizontal extent of the total VOC contamination distribution, including dissolved phase, vapor phase and sorbed phase, throughout the investigation area as well as detailed information concerning soil electrical conductivity properties.
- Develop two-dimensional (2D) and three-dimensional (3D) graphical visualizations of the collected data to facilitate and better understanding of the contaminant distribution the location and depths for future field activities, including sampling, well installations, and remediation remedies.

LIF/UVOST[®] Equipment Description

The LIF system utilized for this investigation is the latest generation UVOST[®] system developed by Dakota Technologies, Inc (DTI). The LIF/UVOST[®] system consists of an Excimer laser, two fiber optic cables that are pre-strung through the DPT rods, an optical detection system, a SONY Toughbook[™] laptop computer, and Shock Prevention Optical Cavity (SPOC). The SPOC consists of a sapphire window and a parabolic mirror, as well as a shock

absorbing gel that allows the SPOC to maintain mirror alignment under the duress of percussion during advancement.

LIF/UVOST[®] screening was performed by pushing/hammering the SPOC into the soil at the target rate of two cm/sec (0.8 inches per second). As the probe advanced, the excimer laser generates energy in the form of photons (308nm). This energy is transferred through one of the fiber optic cables at a rate of 50 pulses per second to the optical cavity where the parabolic mirror reflects the energy through the sapphire window. Any polycyclic aromatic hydrocarbons (PAHs) that are in contact with the sapphire window then absorb this photon energy. These PAHs then emit fluorescence in order to return to their base state. A portion of this fluorescence is carried back to the optical detection system via the second fiber optic.

Once at the surface, the emitted fluorescence is measured and recorded across four specific wavelengths – 350, 400, 450, and 500 nanometers (nm). These wavelengths represent a common range of fluorescence associated with PAHs. Typically the lighter fuels (jet fuel and gasoline) emit fluorescence at the shorter wavelengths – 350nm and 400nm, while heavier, less distilled compounds such as bunker fuel or diesel fuel emit fluorescence at the longer wavelengths – 450nm and 500nm. As the test proceeds, the total monitored fluorescence is recorded and displayed in real-time at one second intervals as a function of depth on the LIF/UVOST[®] system computer. In addition, the intensity and duration of the fluorescence at each of the four monitored wavelengths are recorded and presented in real time at one second intervals as a separate graph on the LIF/UVOST[®] system computer.

LIF/UVOST[®] System Performance Test

As a quality control check, the LIF/UVOST[®] system response is evaluated prior to and upon completion of each LIF/UVOST[®] screening location. This evaluation is completed using a Reference Emitter (RE) that consists of a blend of Non-Aqueous Phase Liquid (NAPL) and produces a consistent fluorescence response over the four wavelengths monitored by the LIF/UVOST[®] system. Collected data is then presented as a percentage of the RE. Using the same RE at each location and site, allows normalization of data collected over several locations, sites, or screening events. The RE standard is provided by DTI, and is the same for all LIF/UVOST[®] systems currently in operation.

In addition to obtaining a baseline RE for each location, the background reading of the LIF/UVOST[®] system is electronically recorded prior to insertion into the soil. This background reading is required to be below 0.5% of RE prior to the start of any testing. The background during tool advancement typically stays at or below the surface background reading – giving confidence that any increases in fluoresce are “true” readings and not fluctuations or variations in background.

MIP/SC Equipment Description

The MIP/SC probe is approximately 12-inches (30 cm) in length and 1.5-inches (3.8 cm) in diameter. The probe is driven into the ground at the nominal rate of one foot per minute using a DPT rig.

Soil conductivity, the inverse of soil resistivity, is measured using a dipole arrangement. In this process, an alternating electrical current is transmitted through the soil from the center, isolated pin of the probe. This current is then passed back to the probe body. The voltage response of the imposed current to the soil is measured across these same two points. Conductivity is measured in Siemens/meter, and due to the low conductivity of earth materials, the SC probe uses milliSiemens/meter (mS/m). The probe is reasonably accurate in the range of 5 to 400 mS/m. In general, at a given location, lower conductivity values are generally characteristic of larger particles such as sands, while higher conductivities are characteristic of finer sized particles such as silts and clays.

The MIP portion of the probe was developed and patented by Geoprobe Systems, Inc. The operating principle is based on heating the soil and/or water around a semi-permeable polymer membrane to 121°C, which allows VOCs to partition across this membrane. The MIP can be used in saturated or unsaturated soils, as water does not pass through the membrane. Nitrogen is used as an inert carrier gas, and travels from a surface supply down a transfer tubing which sweeps across the back of the membrane and returns any captured VOCs to the installed detectors at the surface. It takes approximately 37 seconds for the nitrogen gas stream to travel through 100 feet of inert tubing and reach the detectors.

COLUMBIA utilizes three detectors: a Photo Ionization Detector (PID), a Flame Ionization Detector (FID) and an Electron Capture Detector (ECD), mounted on a laboratory grade Shimadzu Model 14A gas chromatograph. The output signal from the detectors is

captured by a MIP data logging system installed on a MIP Field Computer or laptop computer. Conductivity, speed, detector data and temperature are displayed continuously in real time during each push of the probe.

The PID detector consists of a special UV lamp mounted on a thermostatically controlled, low volume, flow-through cell. The temperature is adjustable from ambient temperature to 250°C. The 10.2 electron volt (eV) UV lamp emits energy at a wavelength of 120 nanometers, which is sufficient to ionize most aromatics (benzene, toluene, xylene, etc.) and many other molecules (e.g. H₂S, hexane, ethanol) whose ionization potential is below 10.2 eV. The PID also emits a lower response for chlorinated compounds such as TCE and PCE. Methanol and water, which have ionization potentials greater than 10.2 eV, do not respond on the PID. Detection limits for aromatics are in the low picogram range at the detector. Since the PID is non-destructive, it is often run first in series with other detectors for multiple analyses from a single injection. Use of the PID is mandated in several EPA methods (8021, TO-14 etc.) because of its sensitivity and selectivity.

The most commonly used GC detector is the FID, which responds linearly over several orders of magnitude from its minimum detectable quantity of about 100 picograms. The FID response is very stable from day to day. This detector responds to any molecule with a carbon-hydrogen bond, but poorly to compounds such as H₂S, CCl₄, or NH₃. The carrier gas effluent from the GC column is mixed with hydrogen and burned. Hydrogen supports a flame and ionizes the analyte molecules. A collector electrode attracts the negative ions to the electrometer amplifier, producing an analog signal, which is directed to the data system input.

The ECD detector consists of a sealed stainless steel cylinder containing radioactive Nickel-63. The Nickel-63 emits beta particles (electrons), which collide with the carrier gas molecules, ionizing them in the process. This forms a stable cloud of free electrons in the ECD cell. When electro-negative compounds (especially chlorinated, fluorinated or brominated molecules) such as carbon tetrachloride or TCE enter the cell, they immediately combine with the free electrons, temporarily reducing the number remaining in the electron cloud. The detector electronics, which maintain a constant current of about 1 nanoampere through the electron cloud, are forced to pulse at a faster rate to compensate for the decreased number of free electrons. The pulse rate is converted to an analog output, which is transmitted to the data system.

MIP System Performance Test

As a quality control check, the MIP system response is evaluated prior to and upon completion of each MIP location. An aqueous phase performance test is performed using specific compounds designed to evaluate the sensitivity of the particular probe, transfer line and detector suite to be used. The resulting values are recorded and compared to predetermined values.

Investigation Methods

A total of seven LIF/UVOST[®] locations and eight MIP/SC locations were completed at the Fire Fighting Training Area site. Each location was selected by TTNUS's representative onsite, and the termination depth of each location was also determined by TTNUS's representative onsite. Immediately upon completion of each location, the dataset is wirelessly delivered to COLUMBIA's remote servers for Quality Assurance/Quality Control (QA/QC) review and upload to a password secure website using Columbia's patented *SmartData Solutions*[®] technology. The results from each location are shown in Appendices A through C. Maps and 2D/3D graphics of the site have been prepared for easier visualization of the subsurface.

LIF/UVOST[®] Log Interpretation

There are three primary characteristics of fluorescence that are considered when interpreting LIF/UVOST[®] data. These characteristics are:

1. Fluorescence intensity - how brightly does the compound fluoresce,
2. Wavelength - what color does the compound fluoresce at, and
3. Duration - how long does the compound fluoresce at each monitored wavelength

Individual LIF/UVOST[®] logs consist of a primary graph of total fluorescence versus depth, an information box and up to five waveform "callouts". In the primary fluorescence graph, depth is plotted on the Y axis and the combined total fluorescence intensity of the four monitored wavelengths is plotted on the X axis. Total fluorescence intensity is presented as a percentage of the RE standard. Since various PAHs fluoresce at differing intensities, there are several compounds that fluoresce brighter than the RE standard, and therefore the total RE can exceed 100%. Total fluorescence intensity is typically proportional to concentration and responds linearly as concentration increases.

Waveform callouts are presented along the left-hand side of the primary graph. These callouts present the fluoresce intensity of each of the monitored wavelengths on the Y axis (in microvolts (uV)) and the duration of fluorescence of each wavelength on the X axis. No scale is given along the X axis, however; it is a consistent 320 nanoseconds wide. The four peaks are due to the fluorescence at the four monitored wavelengths – called channels. Each channel is assigned a color. Various NAPLs will have a unique waveform signature based on the relative amplitude of the four channels and/or the broadening of one or more of the channels. Callouts are selected by the operator and typically correspond to peaks on the primary graph.

The fill color of the response on the primary graph is based on the relative contribution of each of the four channels' area versus the total waveform area. This allows the viewer to discern different substances at different depths based on the fill color.

See Appendix D: UVOST Response to Various Random Products Saturated on Wet Sand for the expected wavelength signature for common compounds.

MIP/SC Log Interpretation

Each MIP/SC log includes six separate graphs of data. The first graph displays the temperature of the probe as it is advanced in the subsurface. This graph can be useful to determine where groundwater is encountered. The next three graphs are measures of chemical detector response: ECD, FID, and PID, measured in uV. These graphs are a linear scale, and give relative concentrations of contamination. The fifth graph is the rate of penetration (speed of the probe) and is measured in feet/min. This information can be used to determine how resistant the subsurface is to the direct push and/or percussion. The last graph is soil electrical conductivity and is measured in mS/m. In general, lower conductivities are indicative of coarser grained particles, such as sands and silty sands, and higher conductivities are indicative of finer grained particles, such as clays and silty clays.

Correlating LIF/UVOST[®] or MIP Results to Sampling or Laboratory Analyses

Generalized correlation between LIF/UVOST[®] or MIP response and laboratory sample results can be inferred, but cannot be viewed as a linear comparison. LIF/UVOST[®] or MIP response and laboratory results are collected, analyzed and reported in different units and by different procedures, so correlation is not an exact one-to-one comparison. The LIF/UVOST[®]

uses a process whereas a 2D soil surface is exposed to excitation light, and any fluorescent light emitted is analyzed at the ground surface. The MIP process uses a membrane extraction process from a heated zone of varying subsurface matrix of soil, water, and/or vapor. Soil and groundwater results involve the collection of a sample, extraction of sub-sample at the surface, and then transporting them to a laboratory for further extraction and analysis. These processes are different by definition.

SmartData Solutions®

COLUMBIA's *SmartData Solutions*® is a patented process (U.S. Patent No, 7,058,509) that enables the rapid processing of field data into easy to understand 2D/3D visualizations posted to a password protected website. This process includes QA/QC review, formatting and rapid visualization of the data for the project team and enables a complete check of the dataset prior to completion of fieldwork.

Delineation and Volume

The *SmartData Solutions*® graphics display a 3D view of the contamination plume. These plumes are calculated by extrapolating data in three dimensions between measured data points, and the plumes are only calculated within the bounds of the outermost measured points. A plume is considered to be unbounded when it extends to the bounds of those outermost measured points. A fully bounded plume will exist entirely within the confines of the outermost measured points.

The *SmartData Solutions*® graphics also display a plume volume calculation in the heading title, located in the upper left-hand corner of each graphic. This volume is based on the minimum response level listed in the heading. Volume is calculated by using the scale of the map provided. As a result, the plume calculation is only as accurate as the scale and details of the map. It is important to note that the plume volume calculation reflects only the portion of the plume that exists within the outermost measured points. The volume reported of an unbounded plume may be greatly understated. In any case, the volumes reported are intended for general planning purposes only and may vary from actual volumes.

3-Dimensional Orientation

The *SmartData Solutions*[®] graphics use a relative azimuth system to describe map orientation as a map may not be oriented with true North at the top of the map. The relative azimuth system uses a 360° compass to describe the position *from which* the graphic is being viewed. For example, a viewer “looking east” on a North oriented map would have a relative azimuth of 270°, i.e. the viewer would be standing on the “western” 270° azimuth point looking through the center to the “east”.

The header also describes elevation. Elevation is the number of degrees that the graphic is tilted on the vertical Z axis. A plan view has an elevation of 90°; a transect view has an elevation of 0°.

SmartData Solutions[®] is a registered trademark of COLUMBIA Technologies LLC.

UVOST[®] is a registered trademark of Dakota Technologies Inc.

Geoprobe[®] is a registered trademark of Geoprobe Systems, Inc.



Figure 1 Sitemap and LIF Locations
 November 11, 2010 – November 16, 2010

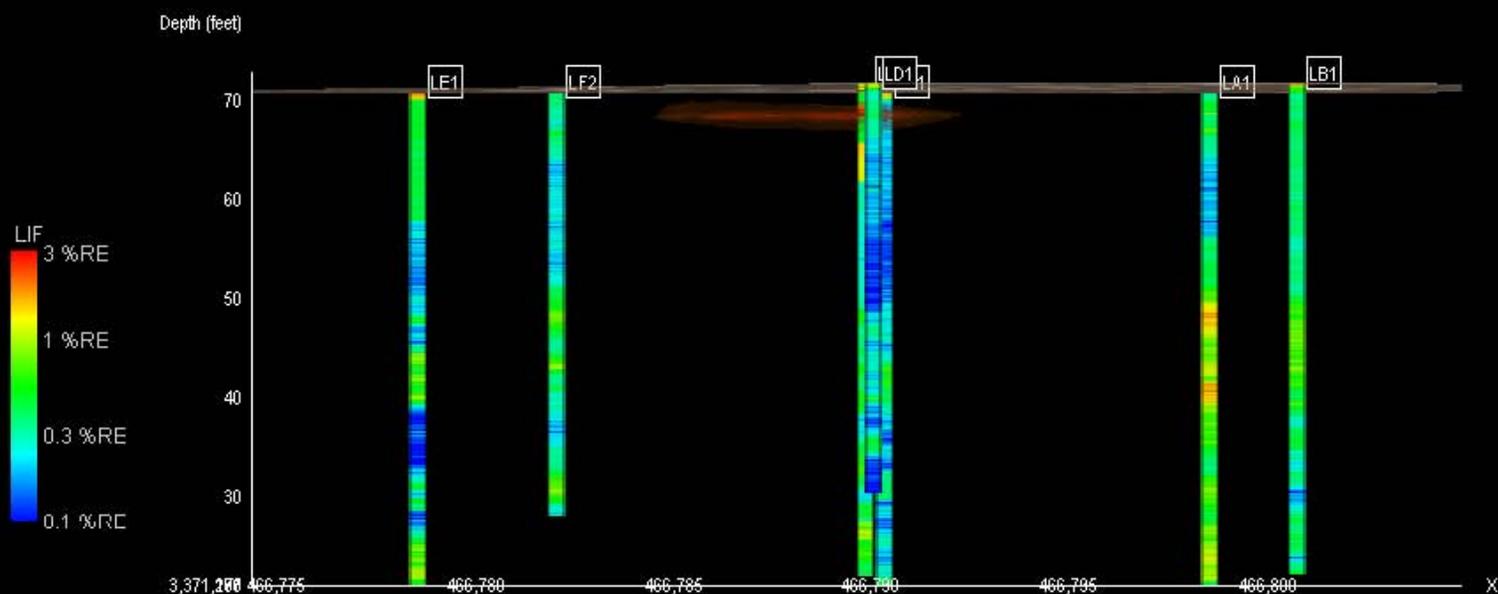
LIF Plume Volume = 60 Cubic Feet, Overburden Volume = 1,878 Cubic Feet
LIF Response >2.00%
Relative Azimuth = 100°, Elevation = 90°, Z Exaggeration = 0.3
Print Date: 11/17/2010 11:44



Created with SmartData Solutions®
U.S. Patent 7,058,509

Figure 2 Plan View, LIF Response >2%
November 11, 2010 – November 16, 2010

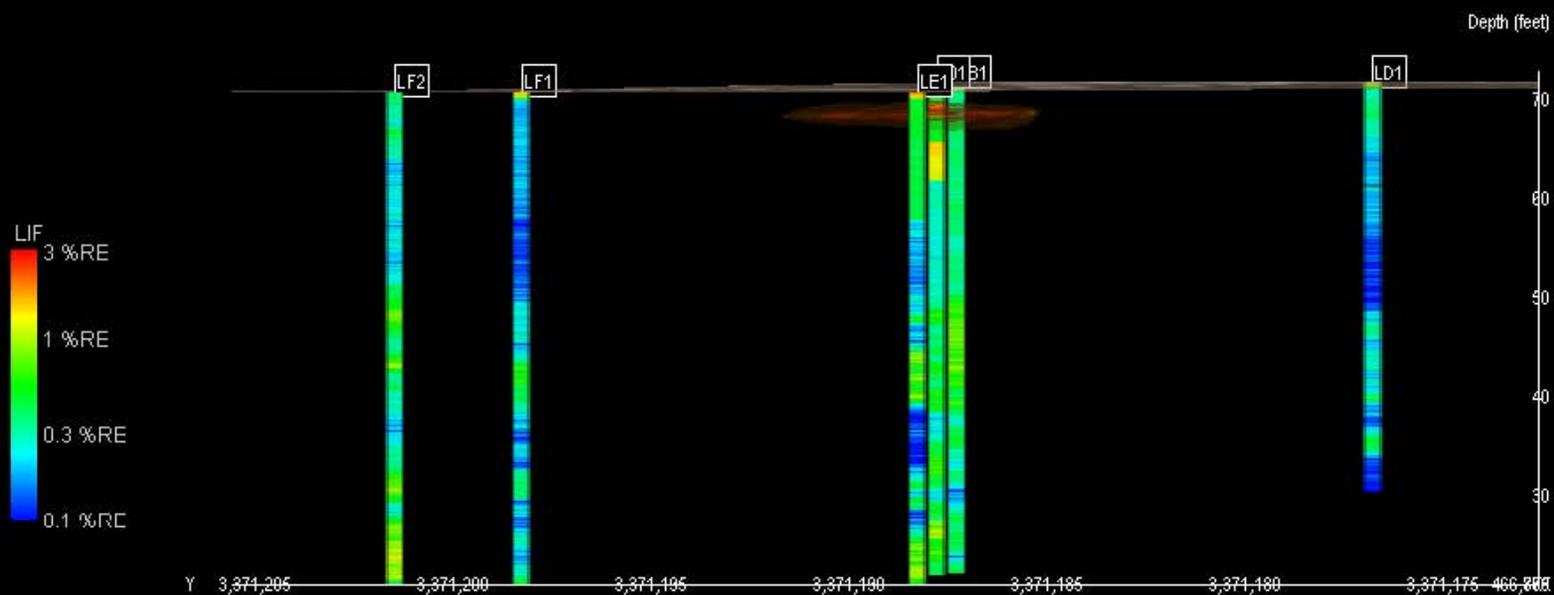
LIF Plume Volume = 60 Cubic Feet, Overburden Volume = 1,878 Cubic Feet
LIF Response >2.00%
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.3
Print Date: 11/17/2010 11:45



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Figure 3 Transect View Looking North, LIF Response >2%
November 11, 2010 – November 16, 2010

LIF Plume Volume = 60 Cubic Feet, Overburden Volume = 1,878 Cubic Feet
LIF Response >2.00%
Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.3
Print Date: 11/17/2010 11:45



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U.S. Patent 7,058,509

Figure 4 Transect View Looking East, LIF Response >2%
November 11, 2010 – November 16, 2010

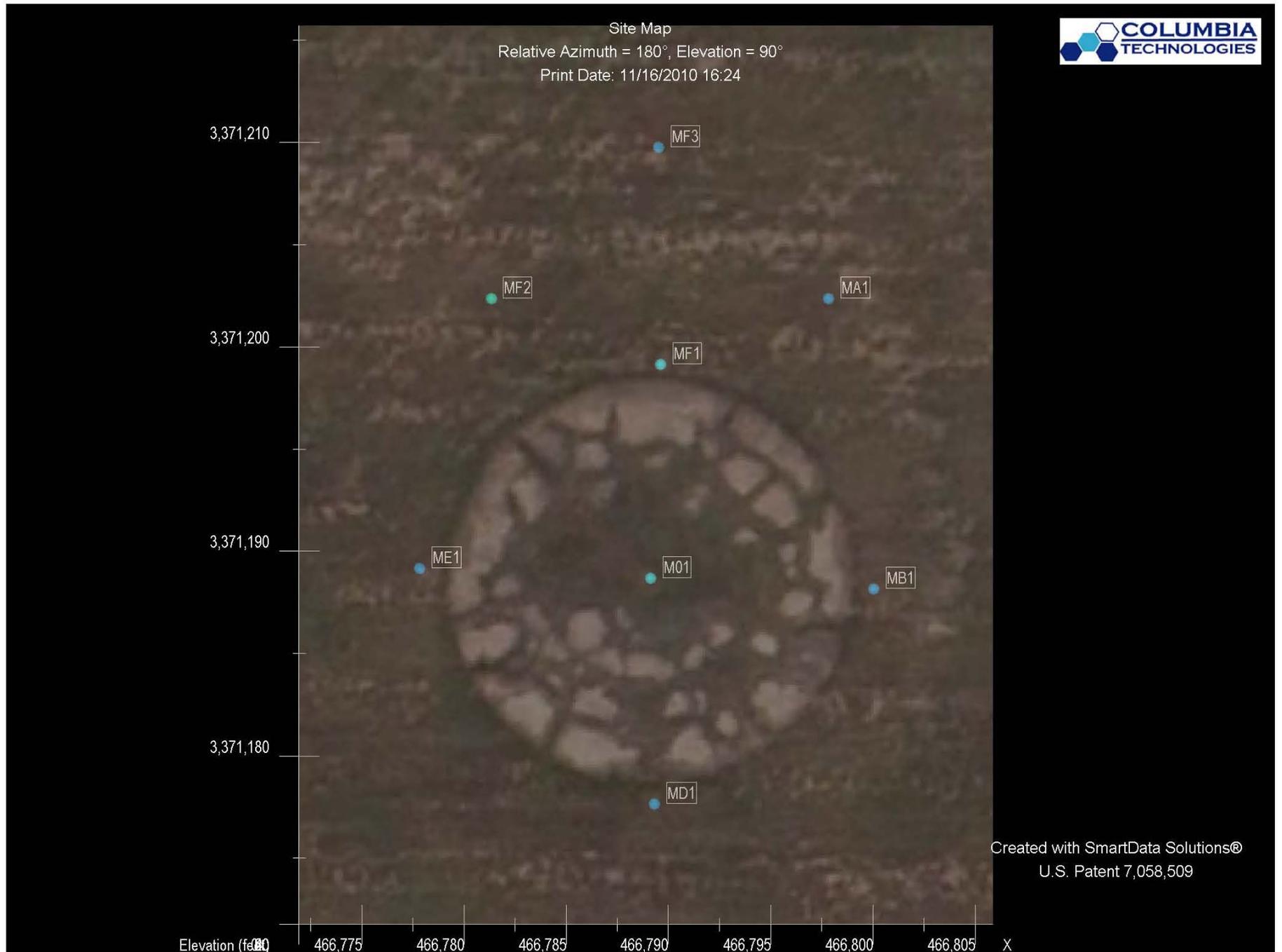
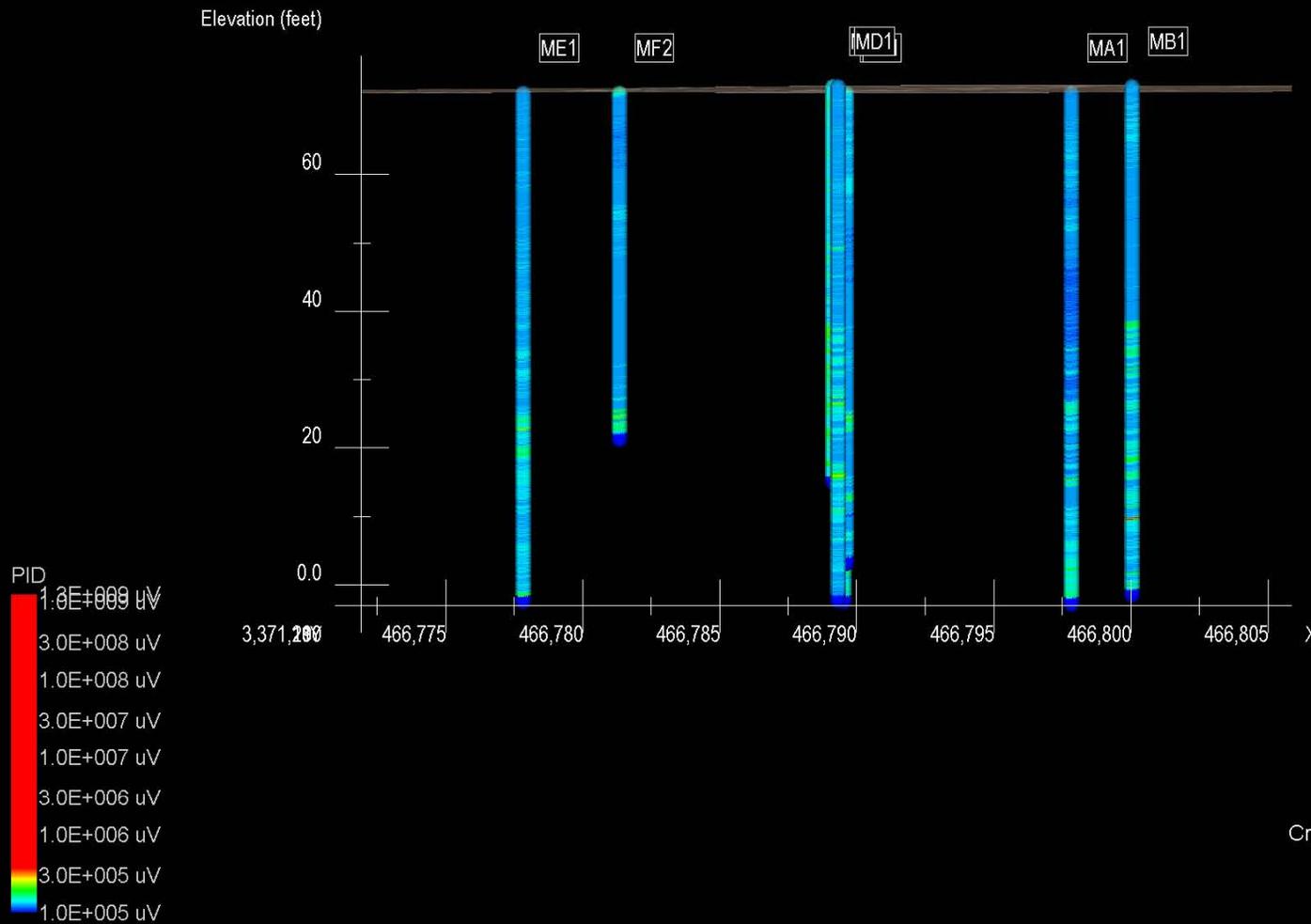


Figure 5 Sitemap and MIP Locations
November 11, 2010 – November 16, 2010



Figure 6 Plan View, PID Response >2.1E+05uV
 November 11, 2010 – November 16, 2010

PID Plume Volume = 0 Cubic Feet
PID Response >2.1E+005uV
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:25



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U.S. Patent 7,058,509

Figure 7 Transect View Looking North, PID Response >2.1E+05uV
November 11, 2010 – November 16, 2010

PID Plume Volume = 0 Cubic Feet
PID Response >2.1E+005uV
Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:26

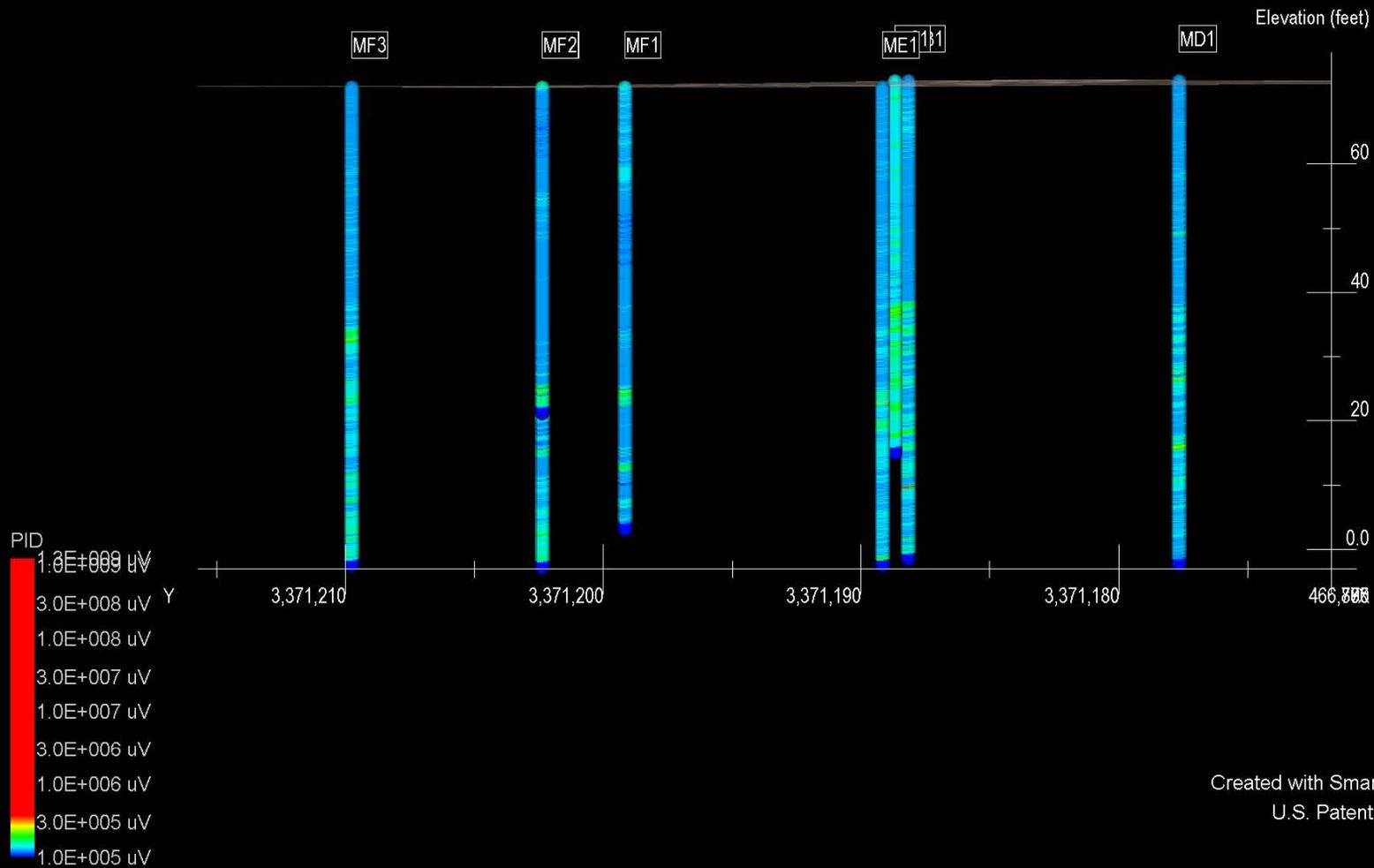


Figure 8 Transect View Looking East, PID Response >2.1E+05uV
November 11, 2010 – November 16, 2010

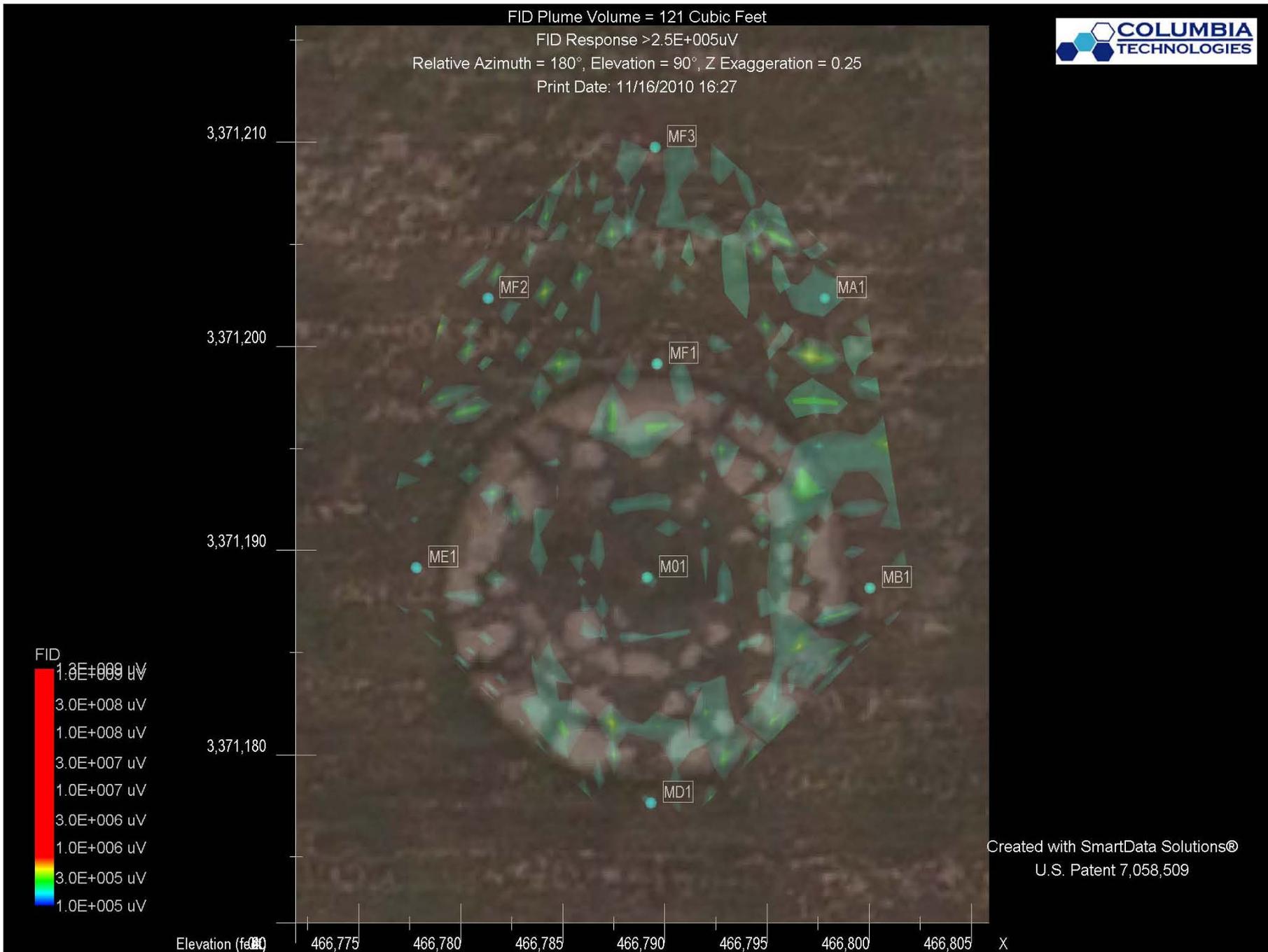


Figure 9 Plan View, FID Response >2.5E+05uV
 November 11, 2010 – November 16, 2010

FID Plume Volume = 121 Cubic Feet
FID Response >2.5E+005uV
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:27

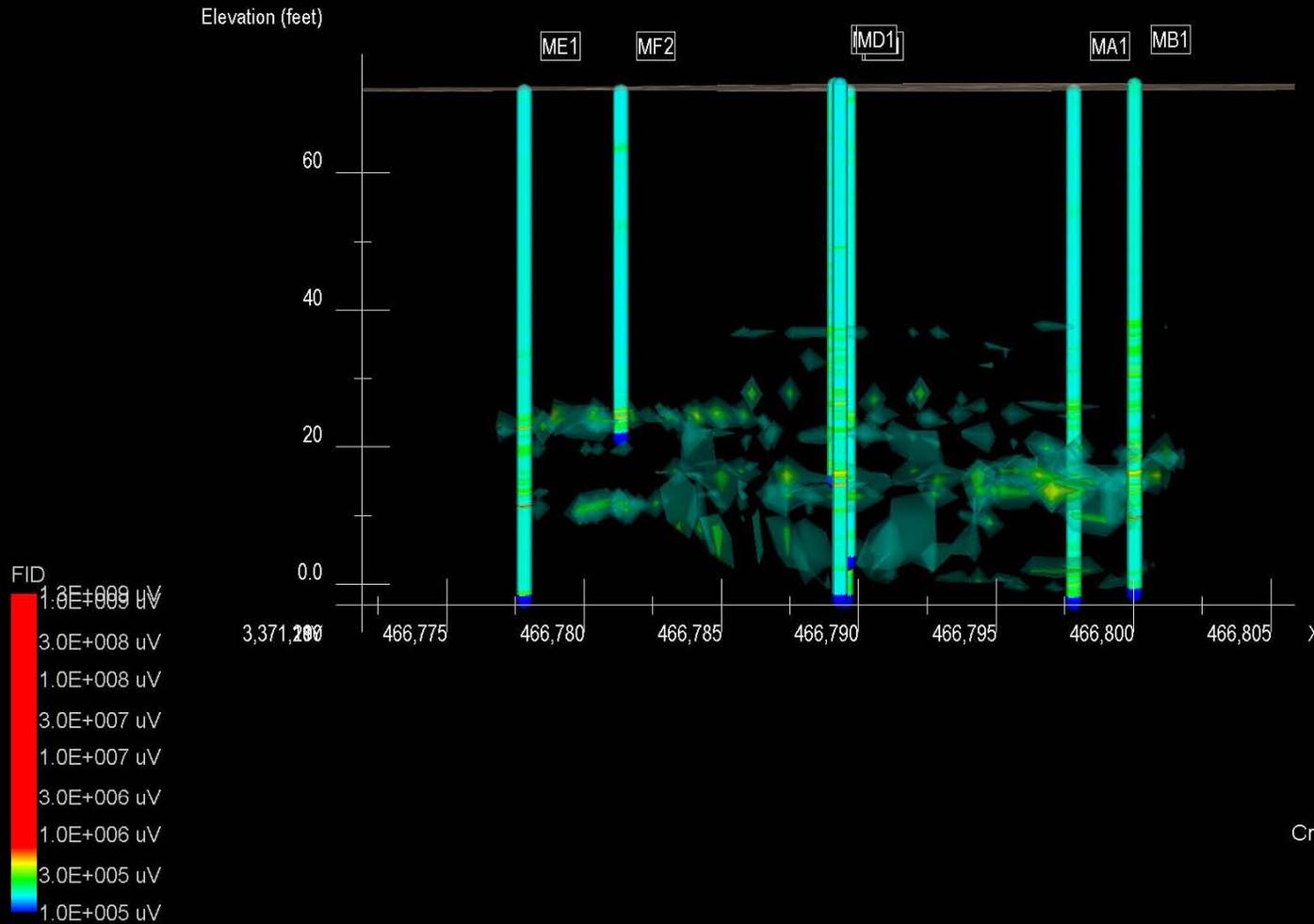


Figure 10 Transect View Looking North, FID Response >2.5E+05uV
November 11, 2010 – November 16, 2010

FID Plume Volume = 121 Cubic Feet
FID Response >2.5E+005uV
Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:28

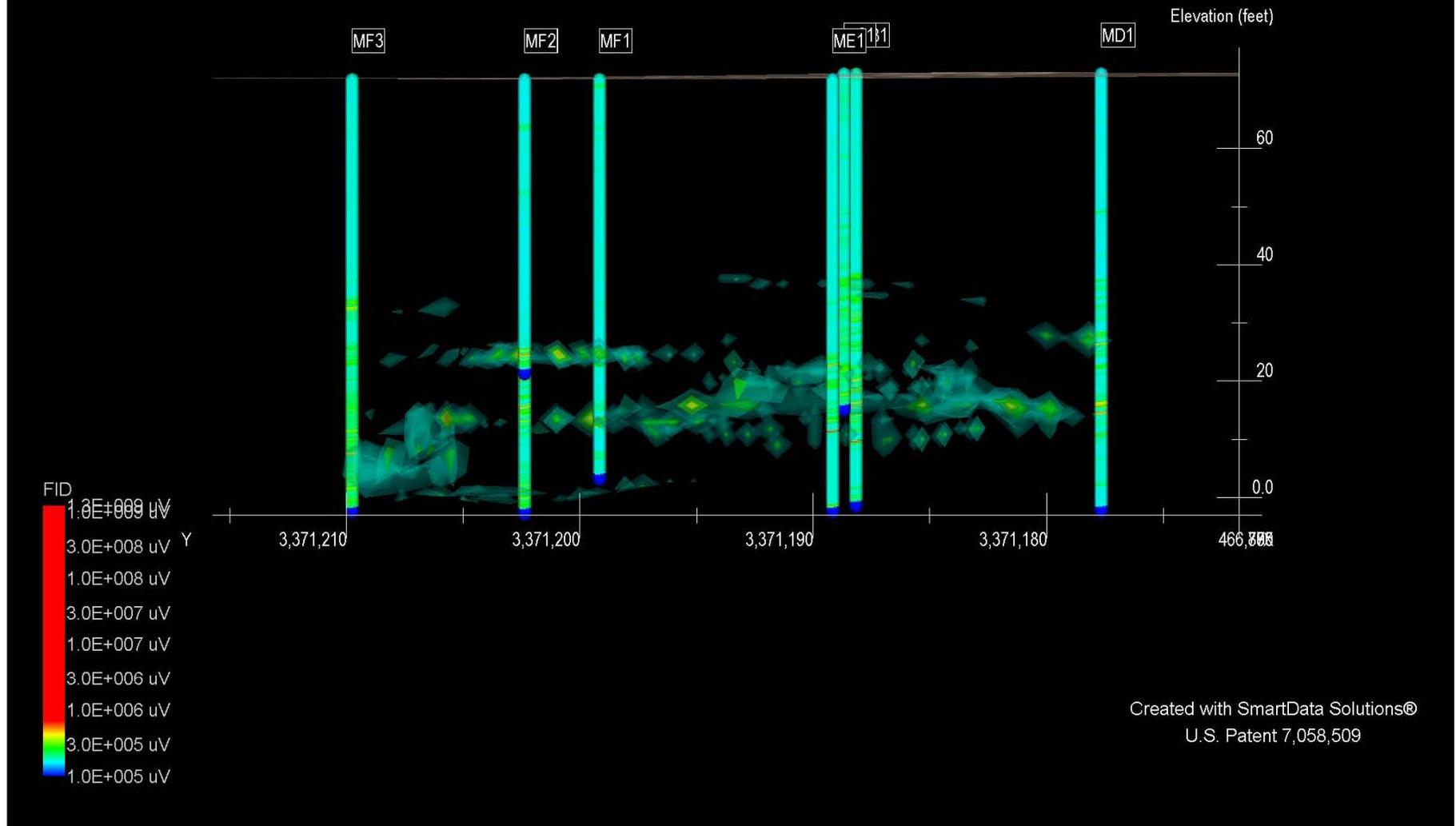


Figure 11 Transect View Looking East, FID Response >2.5E+05uV
November 11, 2010 – November 16, 2010

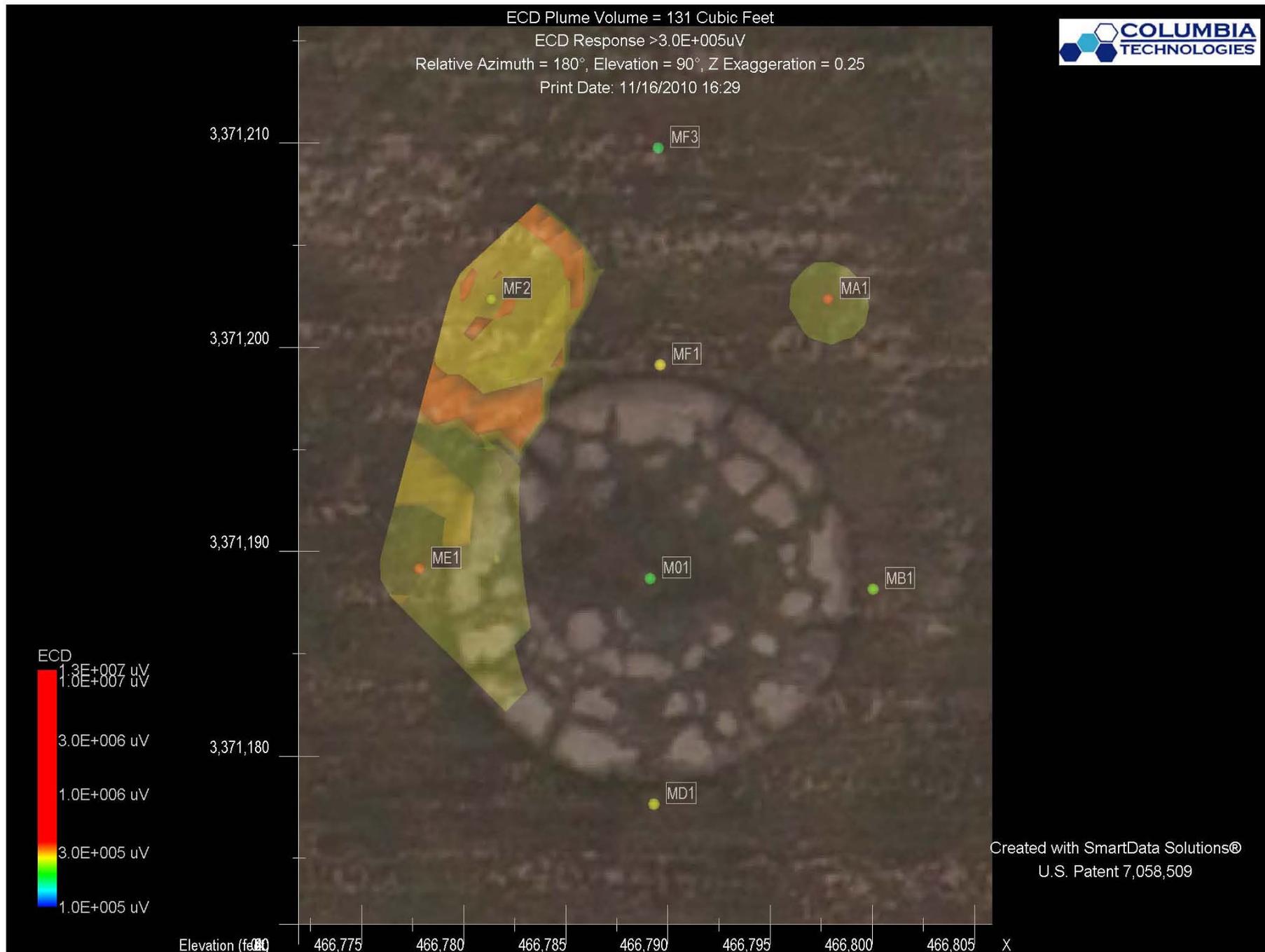
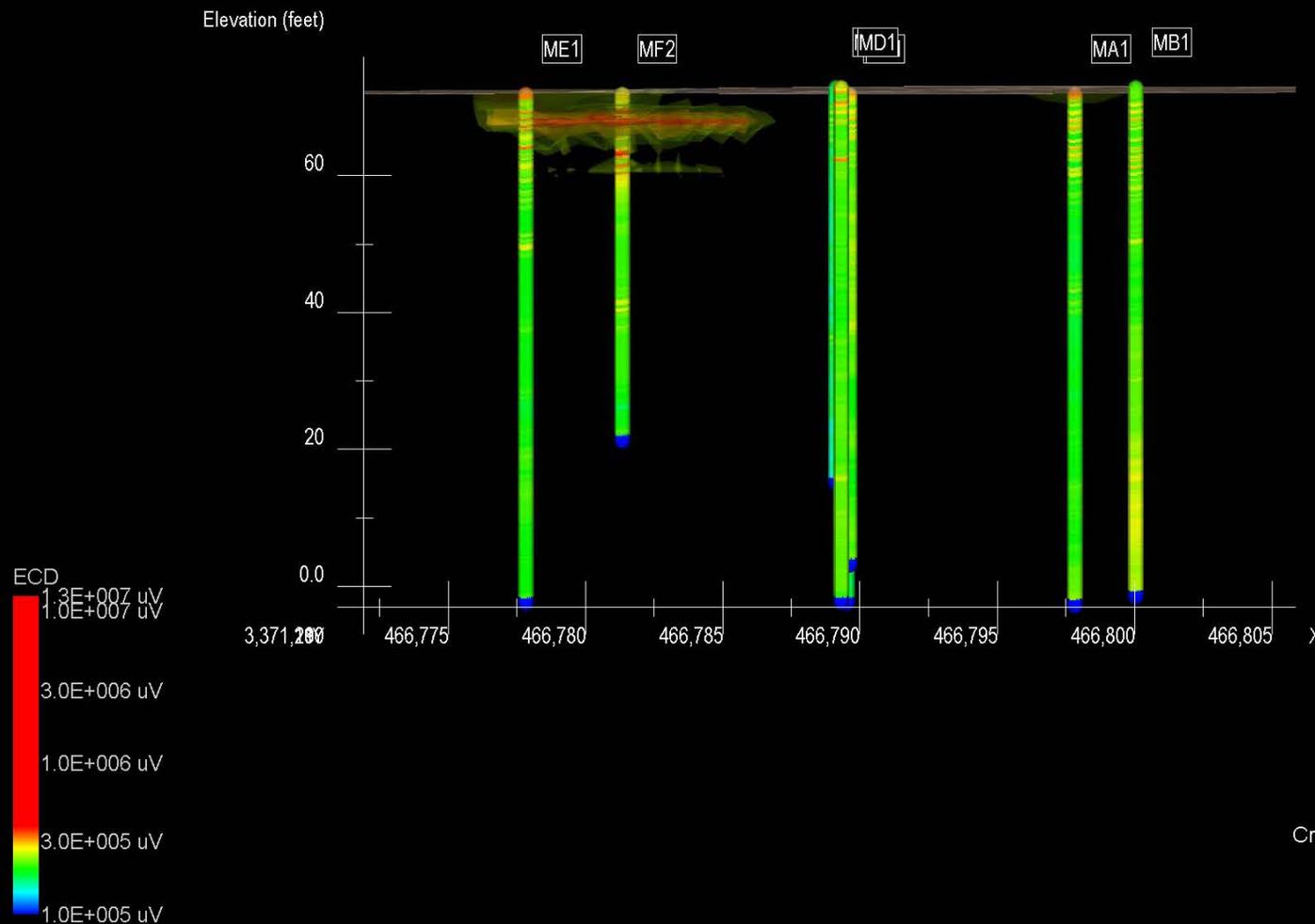


Figure 12 Plan View, ECD Response >3.0E+05uV
 November 11, 2010 – November 16, 2010

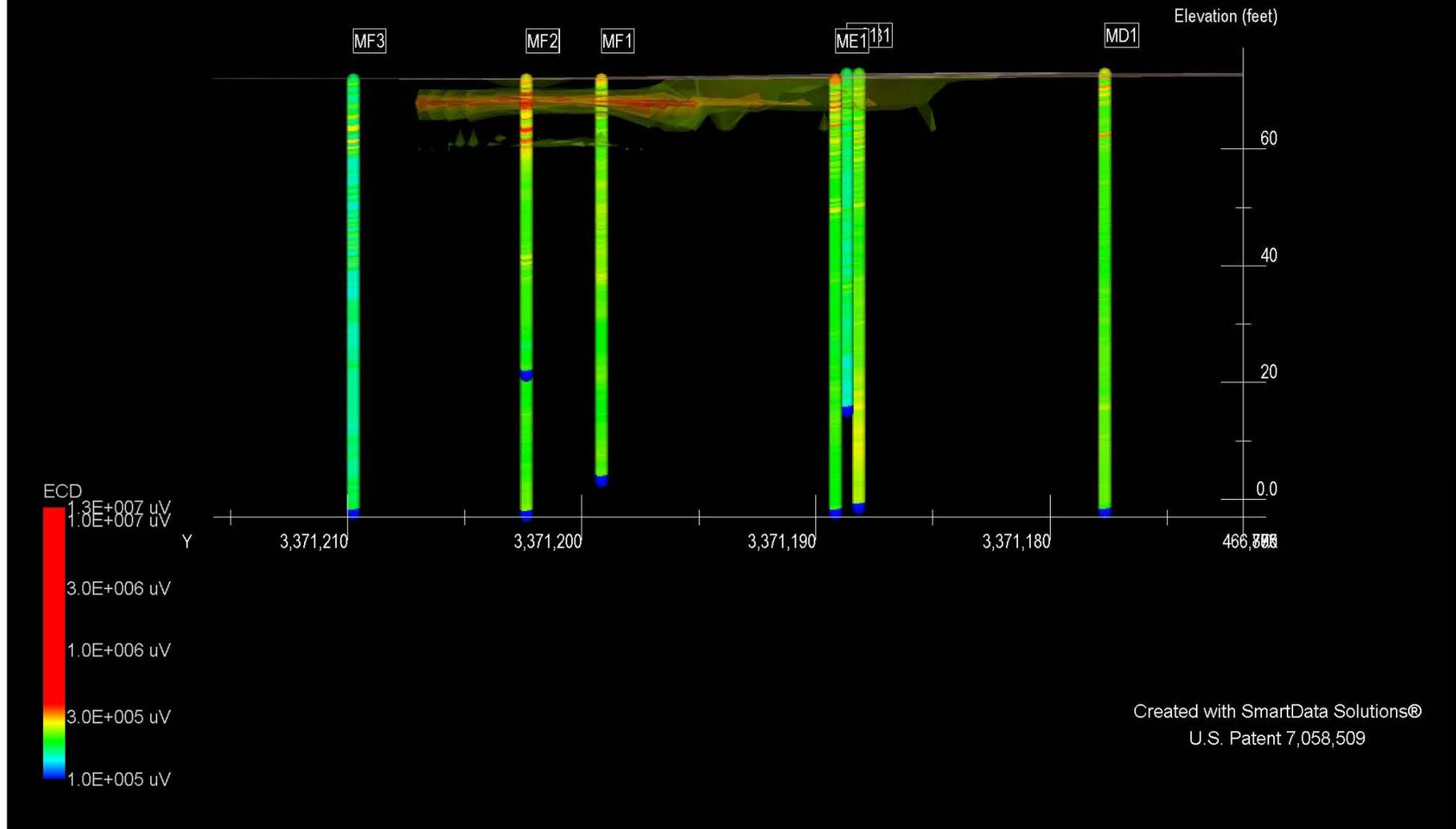
ECD Plume Volume = 131 Cubic Feet
ECD Response >3.0E+005uV
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:30



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Figure 13 Transect View Looking North, ECD Response >3.0E+05uV
November 11, 2010 – November 16, 2010

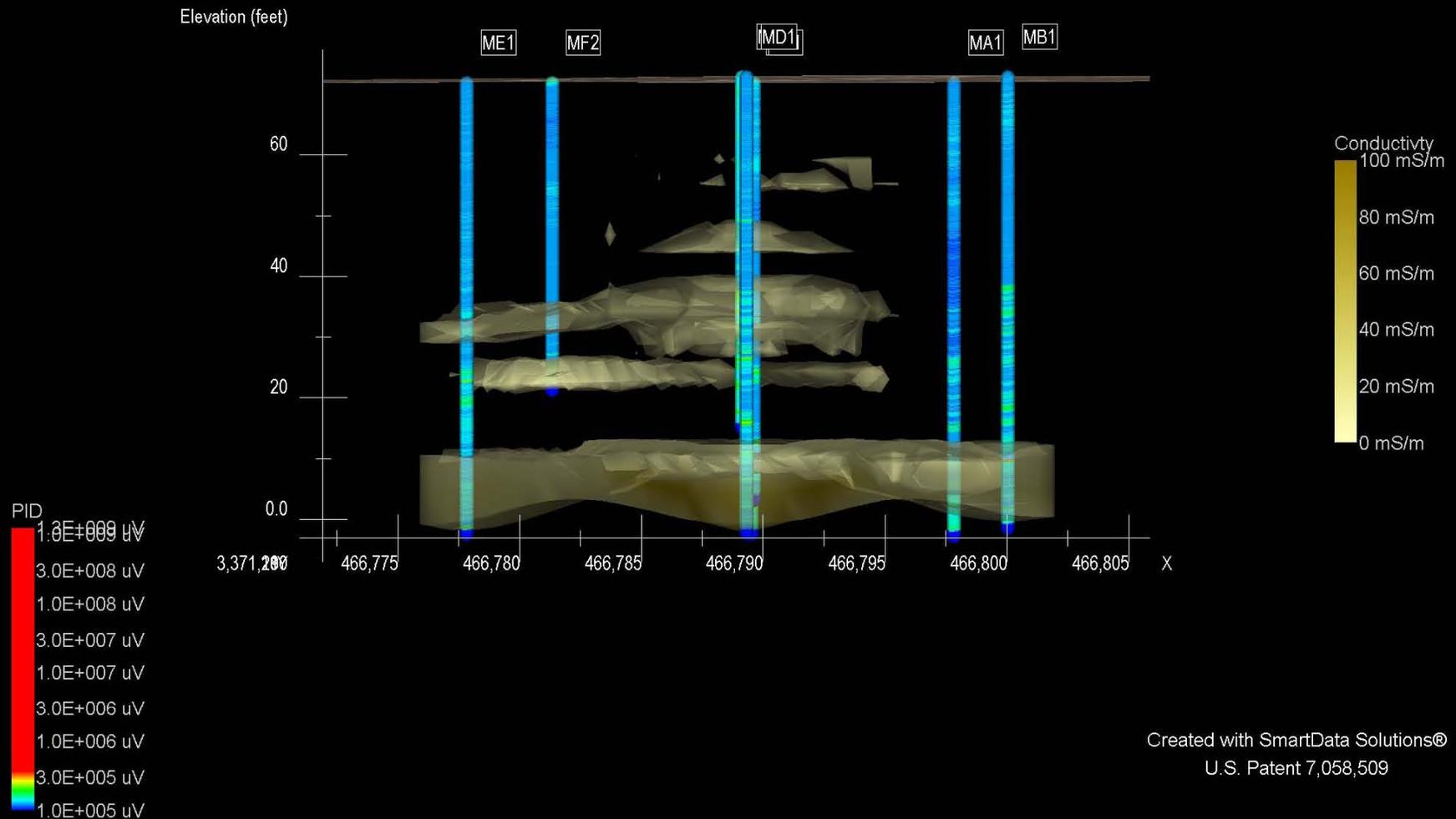
ECD Plume Volume = 131 Cubic Feet
ECD Response >3.0E+005uV
Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:30



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U.S. Patent 7,058,509

Figure 14 Transect View Looking East, ECD Response >3.0E+05uV
November 11, 2010 – November 16, 2010

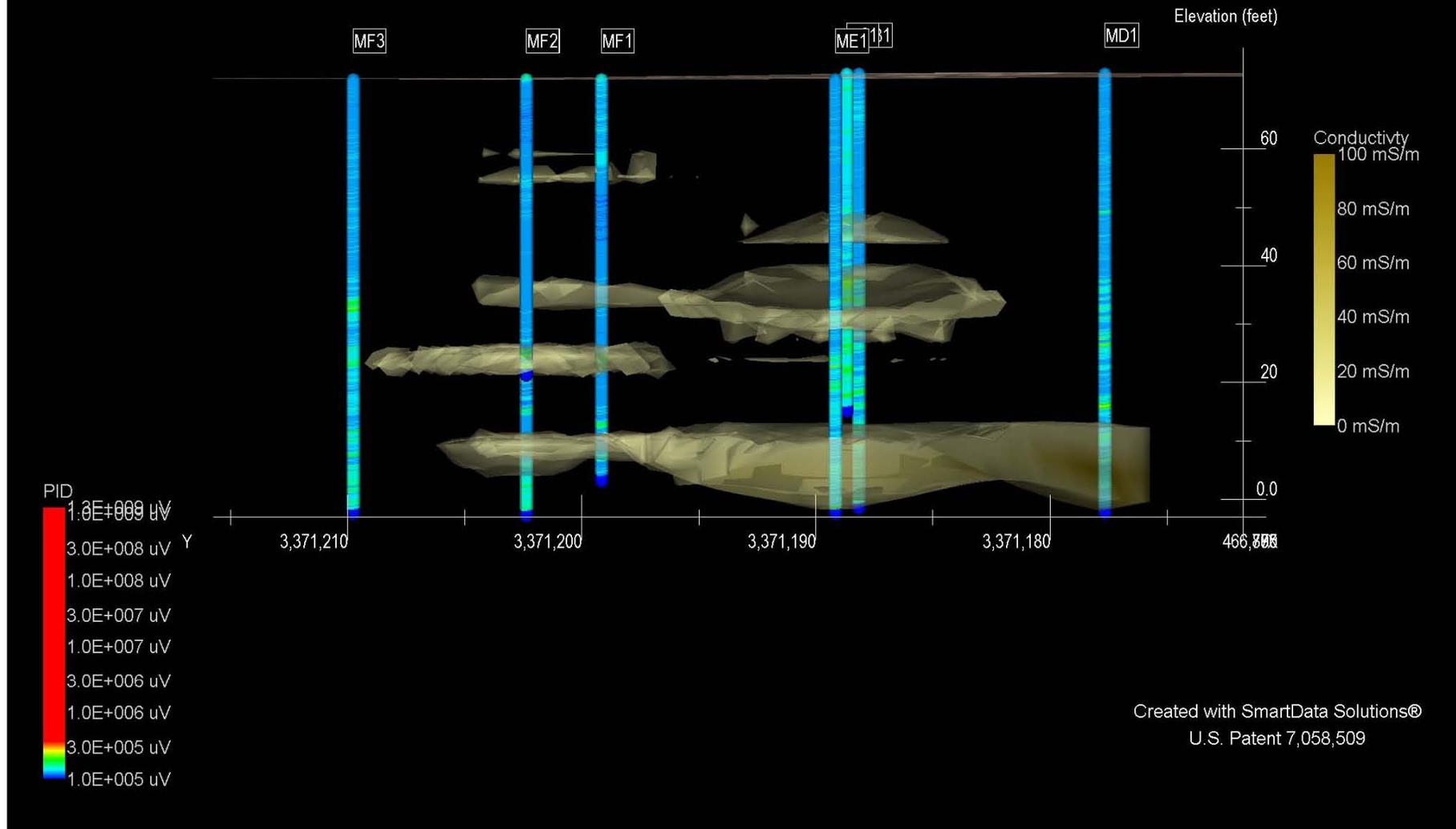
PID Plume Volume = 0 Cubic Feet
PID Response >2.1E+005uV
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:32



Created with SmartData Solutions®
U.S. Patent 7,058,509

Figure 15 Transect View Looking North, PID Response >2.1E+05uV, With Soil Conductivity >7mS/M
November 11, 2010 – November 16, 2010

PID Plume Volume = 0 Cubic Feet
 PID Response >2.1E+005uV
 Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
 Print Date: 11/16/2010 16:32



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 U.S. Patent 7,058,509

Figure 16 Transect View Looking East, PID Response >2.1E+05uV, With Soil Conductivity >7mS/M
 November 11, 2010 – November 16, 2010

FID Plume Volume = 121 Cubic Feet
FID Response >2.5E+005uV
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:35

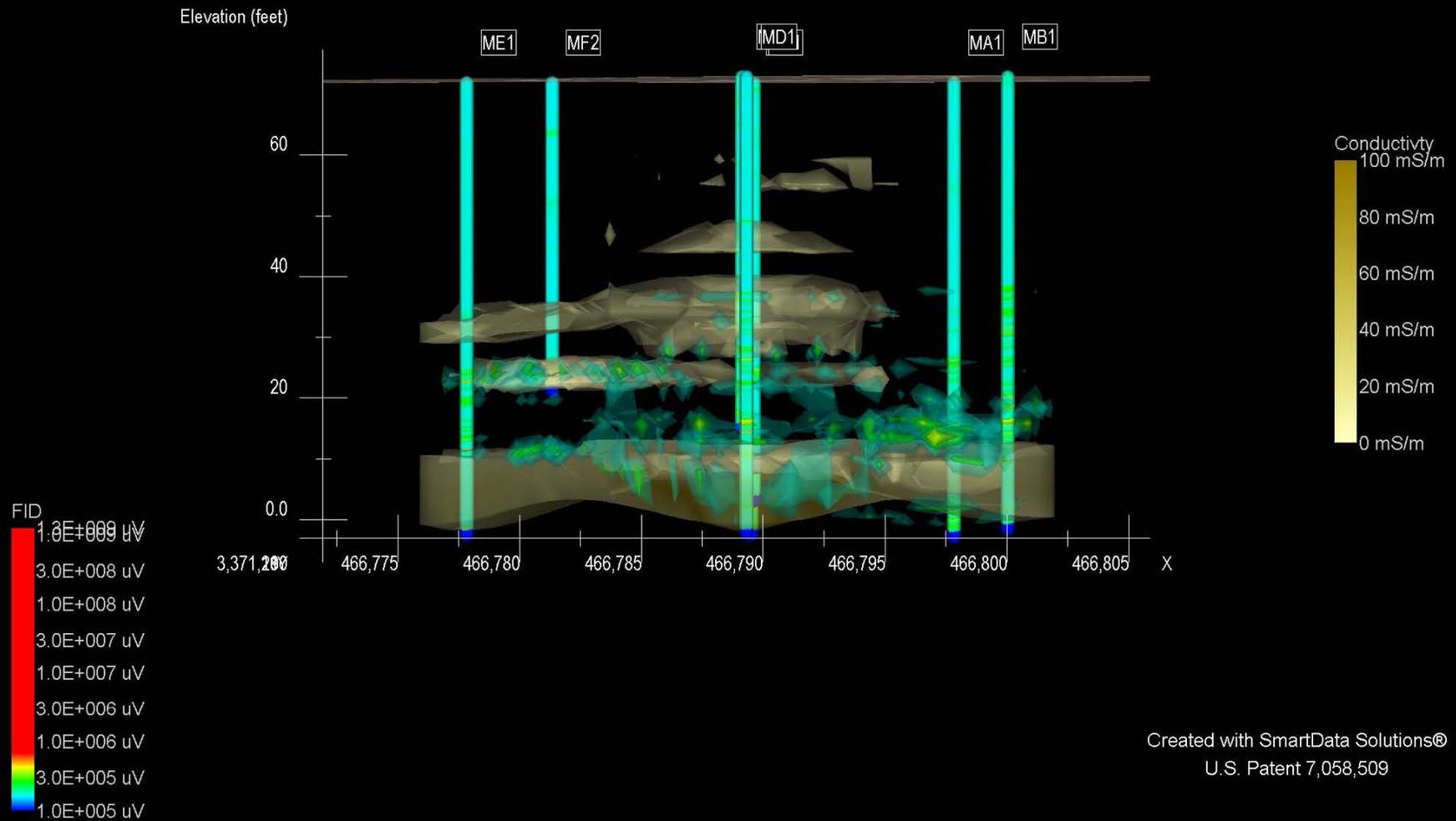


Figure 17 Transect View Looking North, FID Response >2.5E+05uV, With Soil Conductivity >7mS/M
November 11, 2010 – November 16, 2010

FID Plume Volume = 121 Cubic Feet
FID Response >2.5E+005uV
Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:35

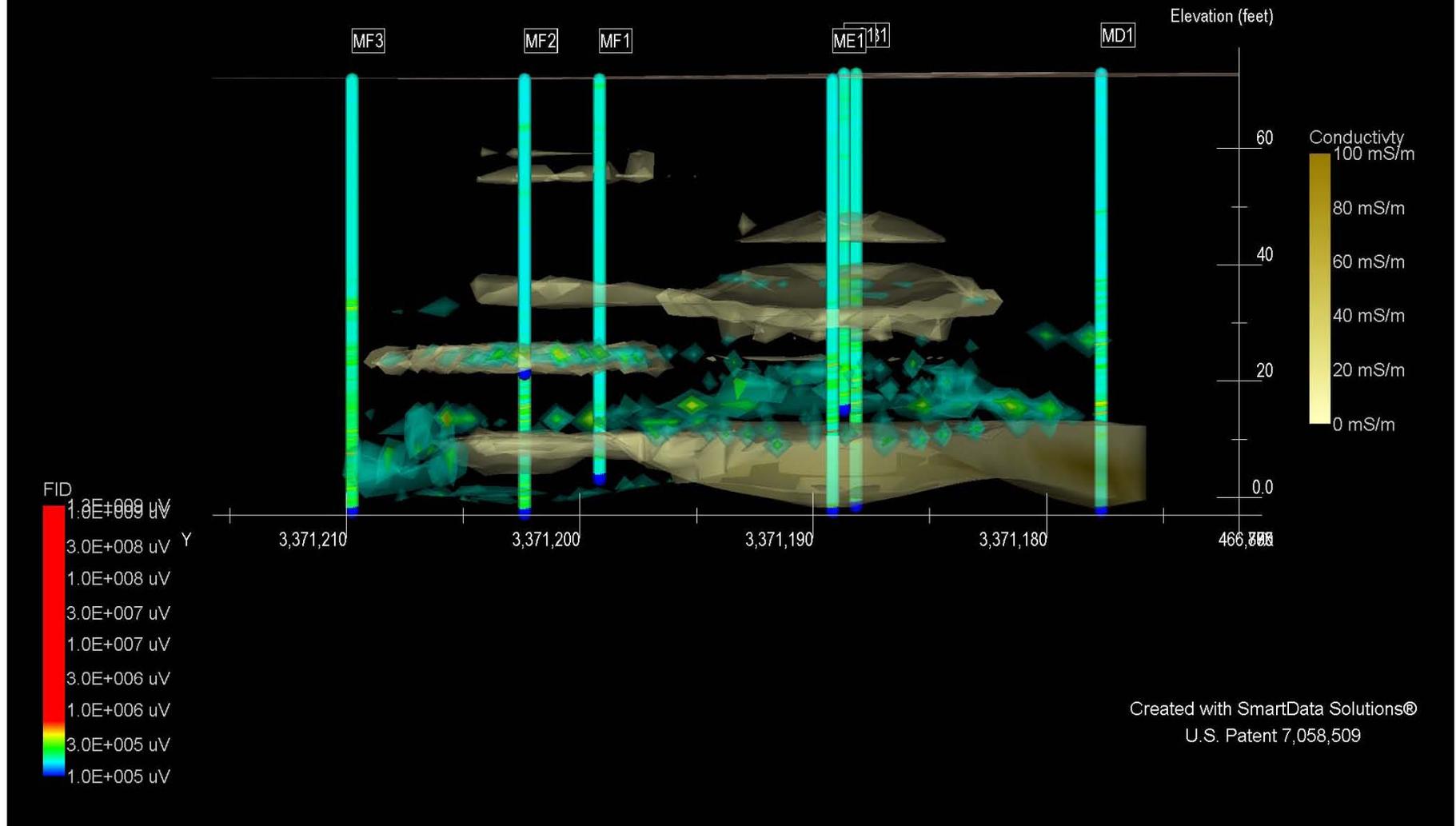
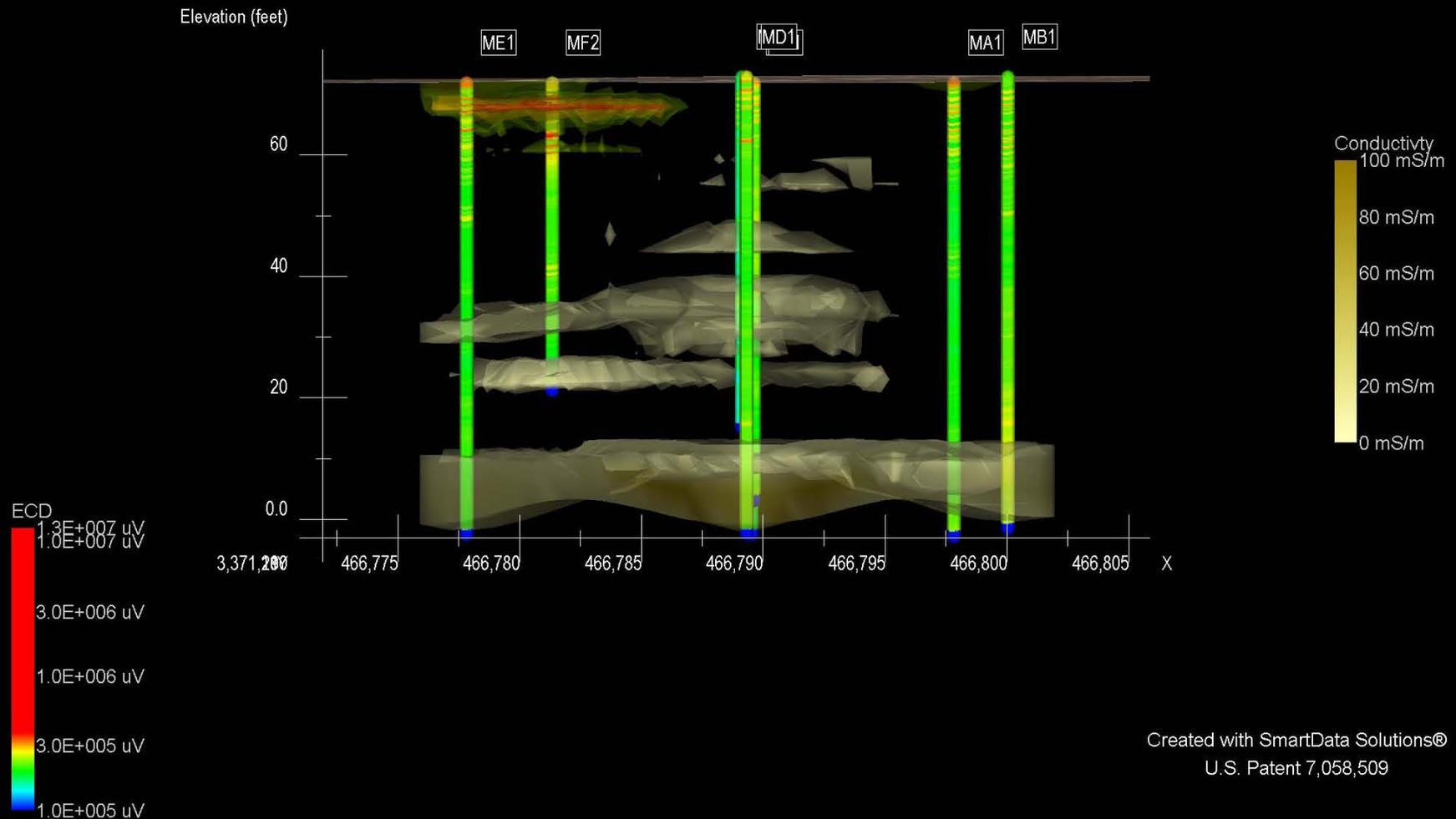


Figure 18 Transect View Looking East, FID Response >2.5E+05uV, With Soil Conductivity >7mS/M
November 11, 2010 – November 16, 2010

ECD Plume Volume = 131 Cubic Feet
ECD Response >3.0E+005uV
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:37



Created with SmartData Solutions®
U.S. Patent 7,058,509

Figure 19 Transect View Looking North, ECD Response >3.0E+05uV, With Soil Conductivity >7mS/M
November 11, 2010 – November 16, 2010

ECD Plume Volume = 131 Cubic Feet
ECD Response >3.0E+005uV
Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:37

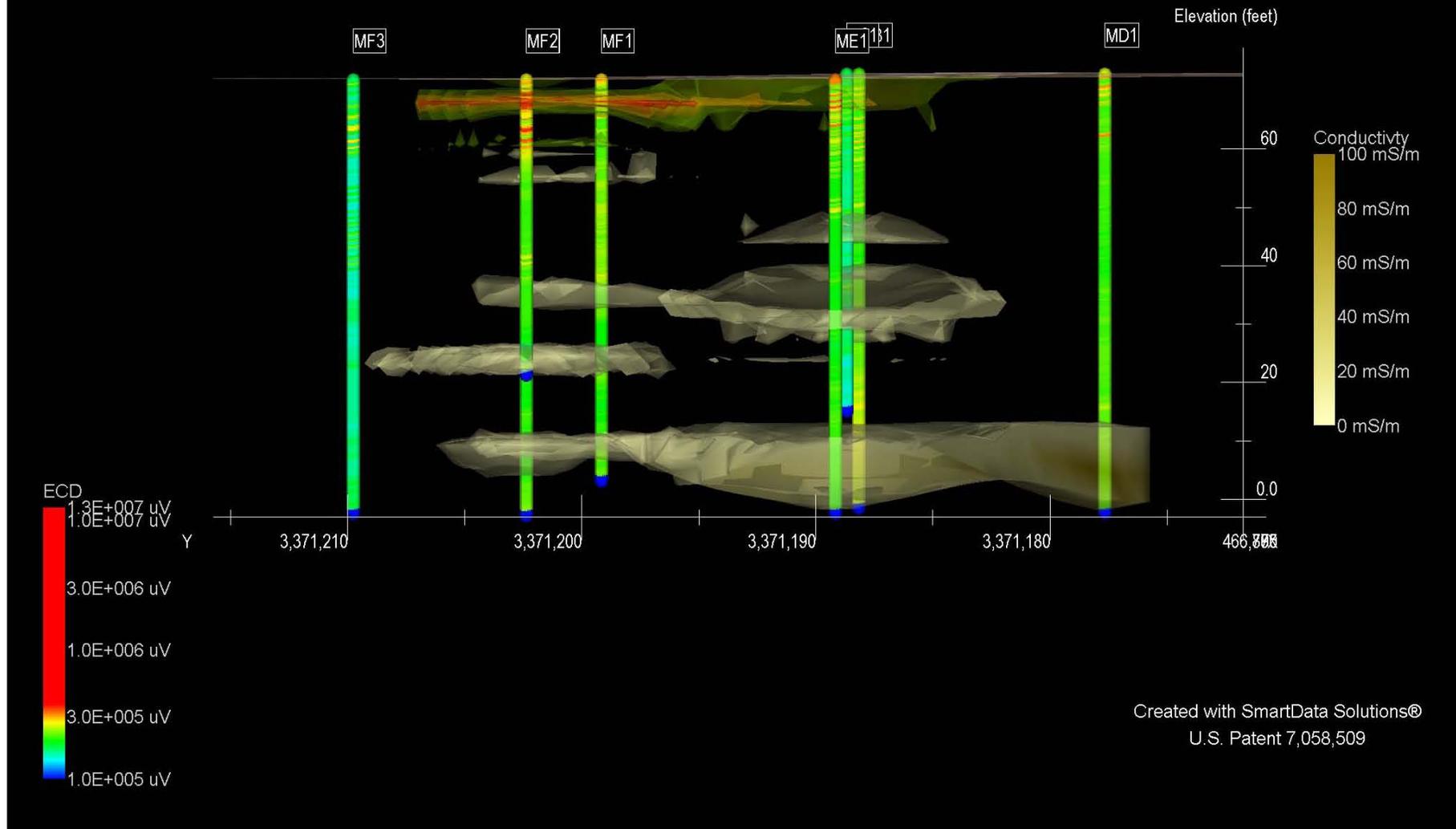
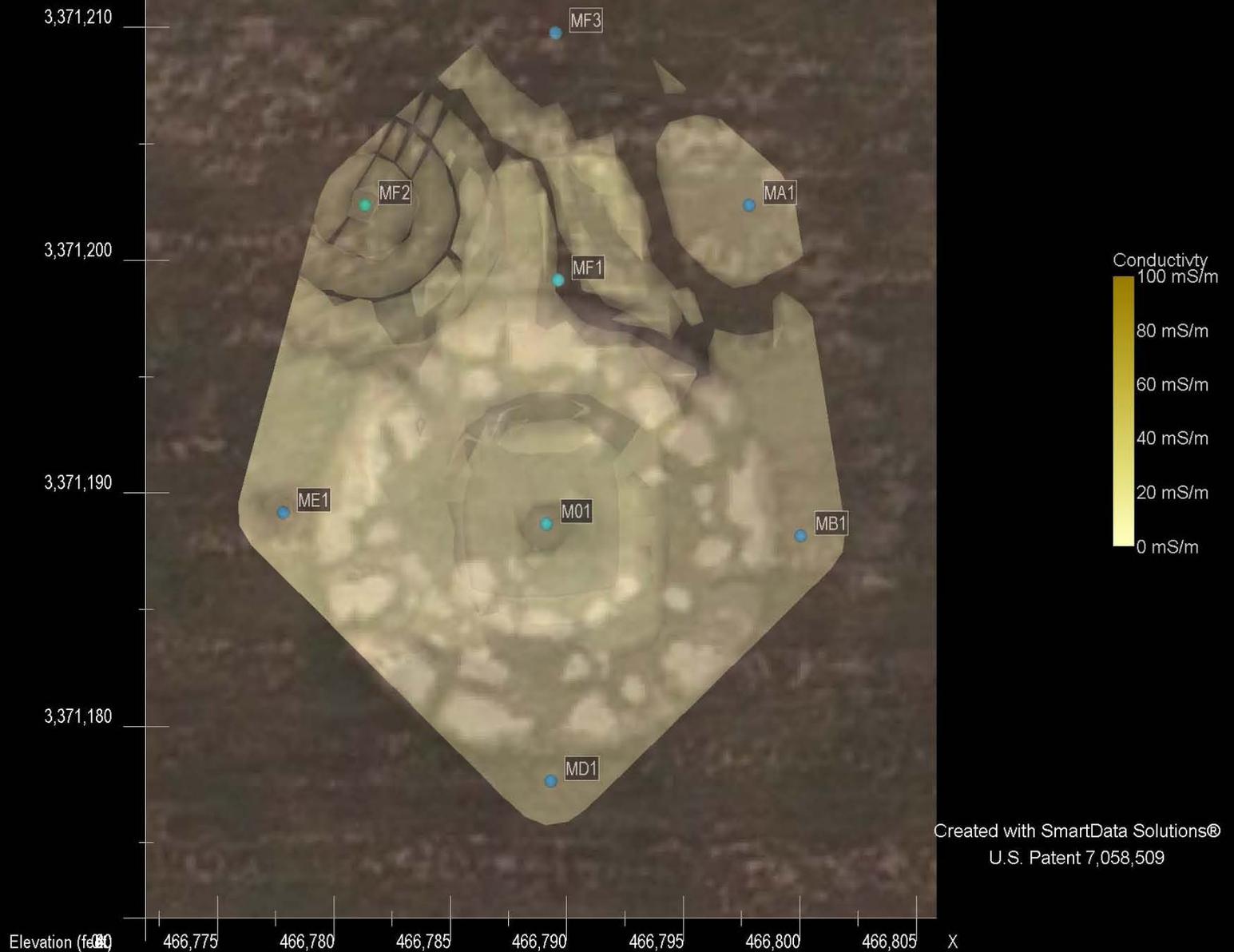


Figure 20 Transect View Looking East, ECD Response >3.0E+05uV, With Soil Conductivity >7mS/M
November 11, 2010 – November 16, 2010

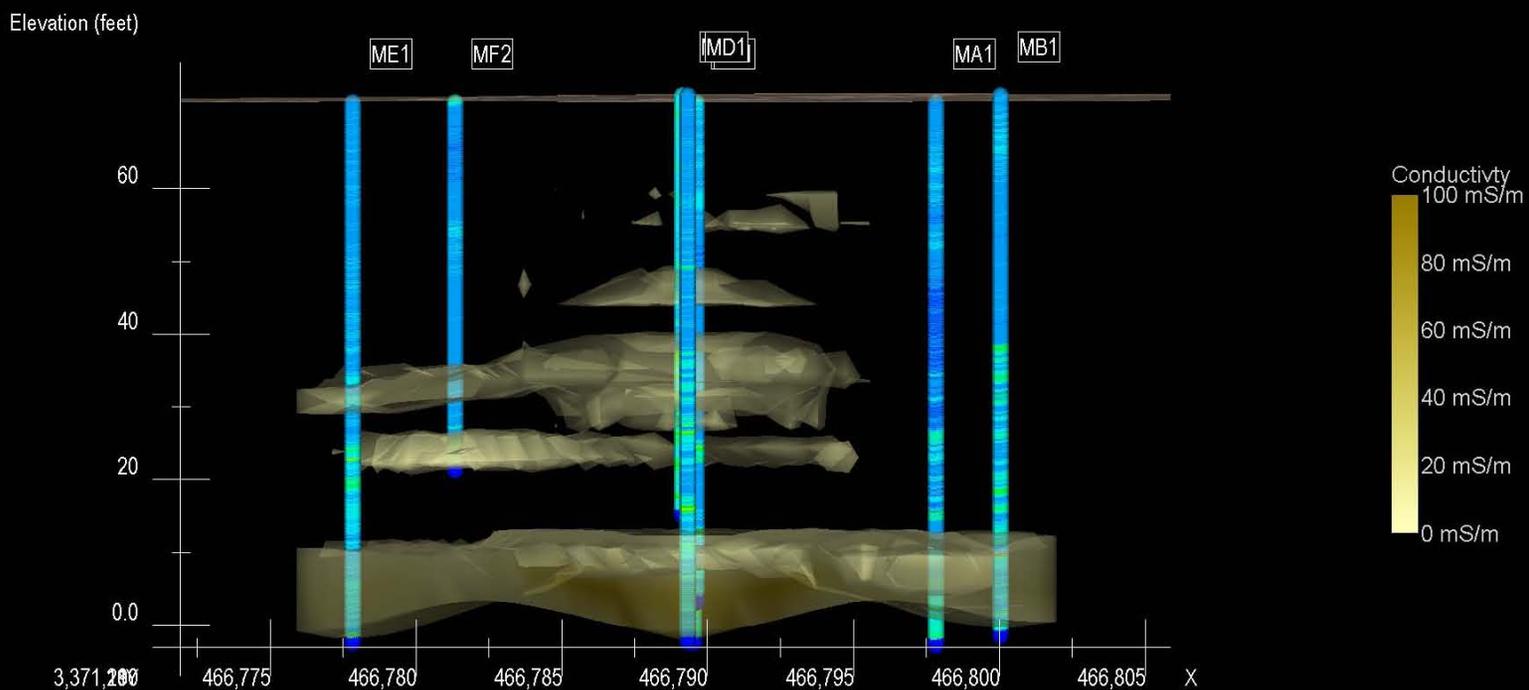
Soil Conductivity, >7mS/M
Relative Azimuth = 180°, Elevation = 90°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:31



Created with SmartData Solutions®
U.S. Patent 7,058,509

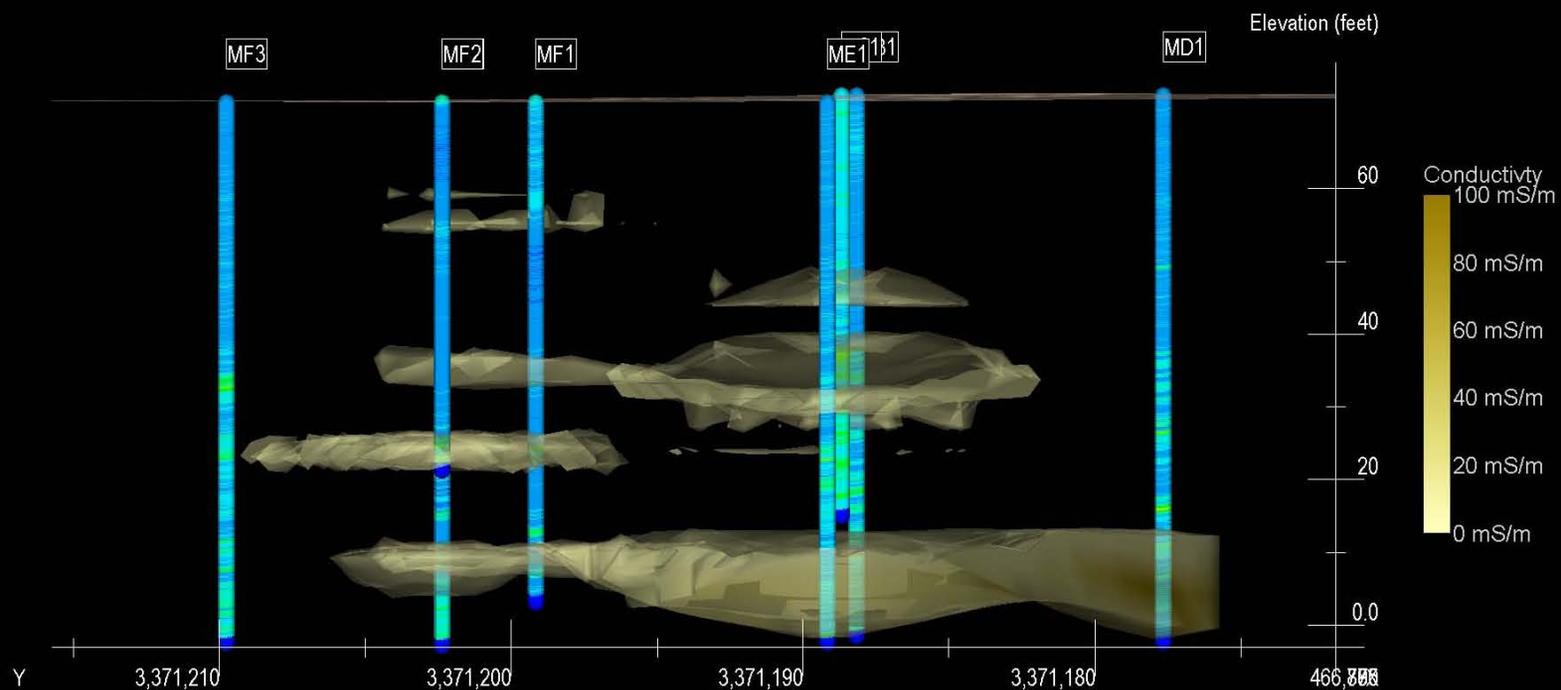
Figure 21 Plan View, Soil Conductivity >7mS/M
November 11, 2010 – November 16, 2010

Soil Conductivity, >7mS/M
Relative Azimuth = 180°, Elevation = 0°, Z Exaggeration = 0.25
Print Date: 11/16/2010 16:32



Created with SmartData Solutions®
U.S. Patent 7,058,509

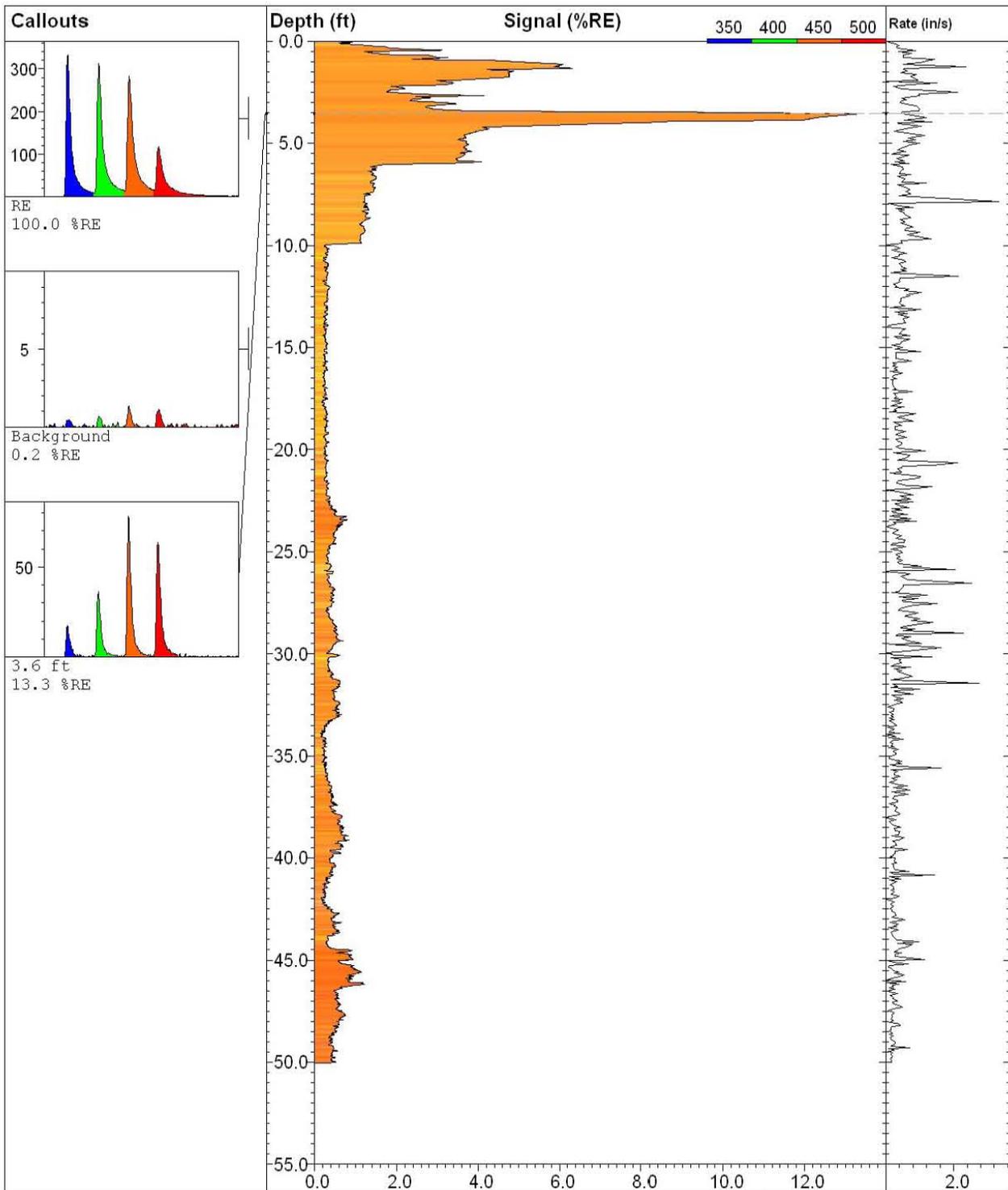
Soil Conductivity, >7mS/M
 Relative Azimuth = 270°, Elevation = 0°, Z Exaggeration = 0.25
 Print Date: 11/16/2010 16:32



Created with SmartData Solutions®
 U.S. Patent 7,058,509

Figure 23 Transect View Looking East, Soil Conductivity >7mS/M
 November 11, 2010 – November 16, 2010

APPENDIX A
LIF/UVOST® Logs



COLUMBIA Technologies
Baltimore, MD 888-344-2704
www.columbiatechnologies.com

L01

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

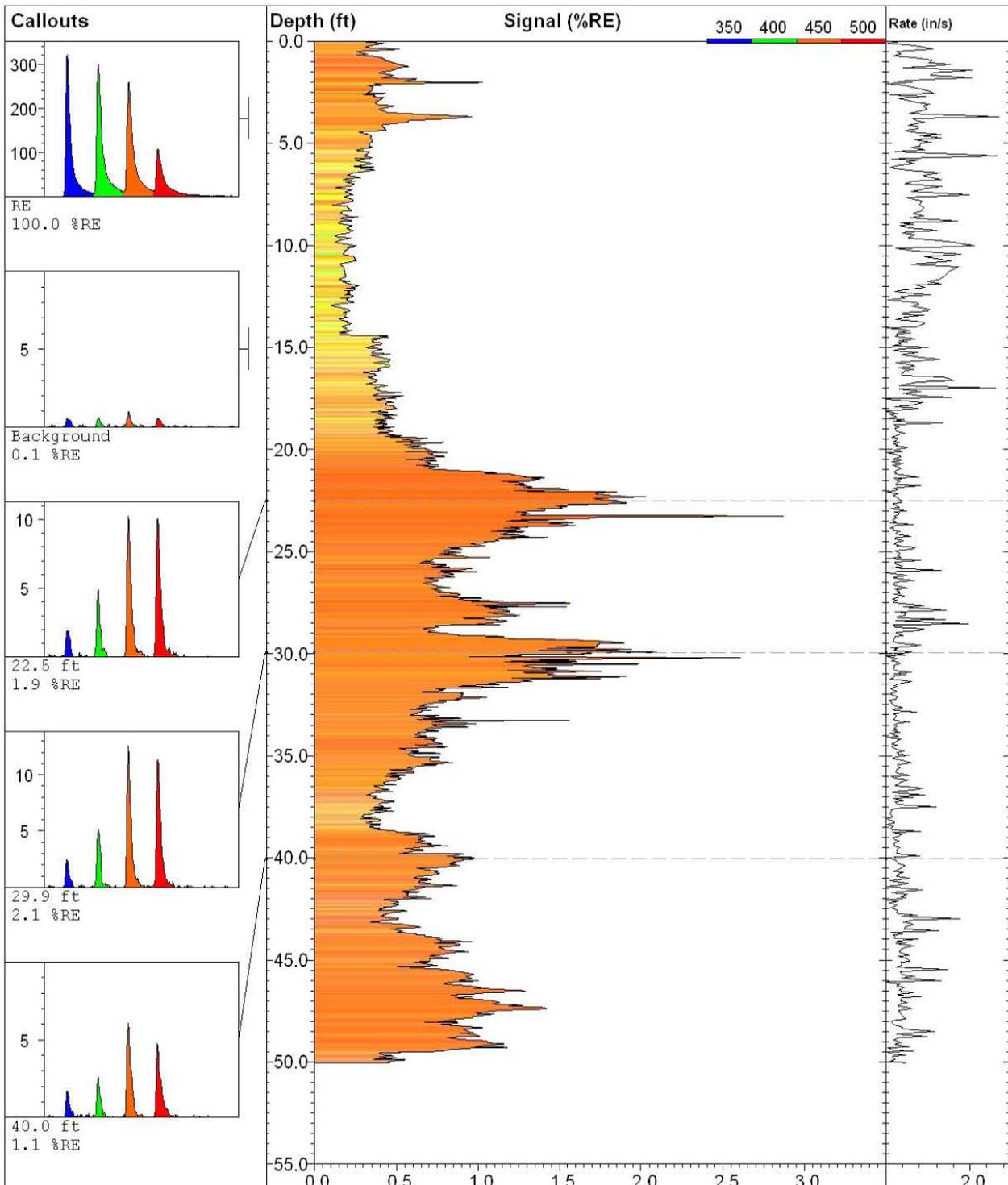
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
50.04 ft

Max signal:
13.3 % @ 3.56 ft

Date & Time:
2010-11-11 09:34 CST



COLUMBIA Technologies
 Baltimore, MD 888-344-2704
 www.columbiatechnologies.com

LA1

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

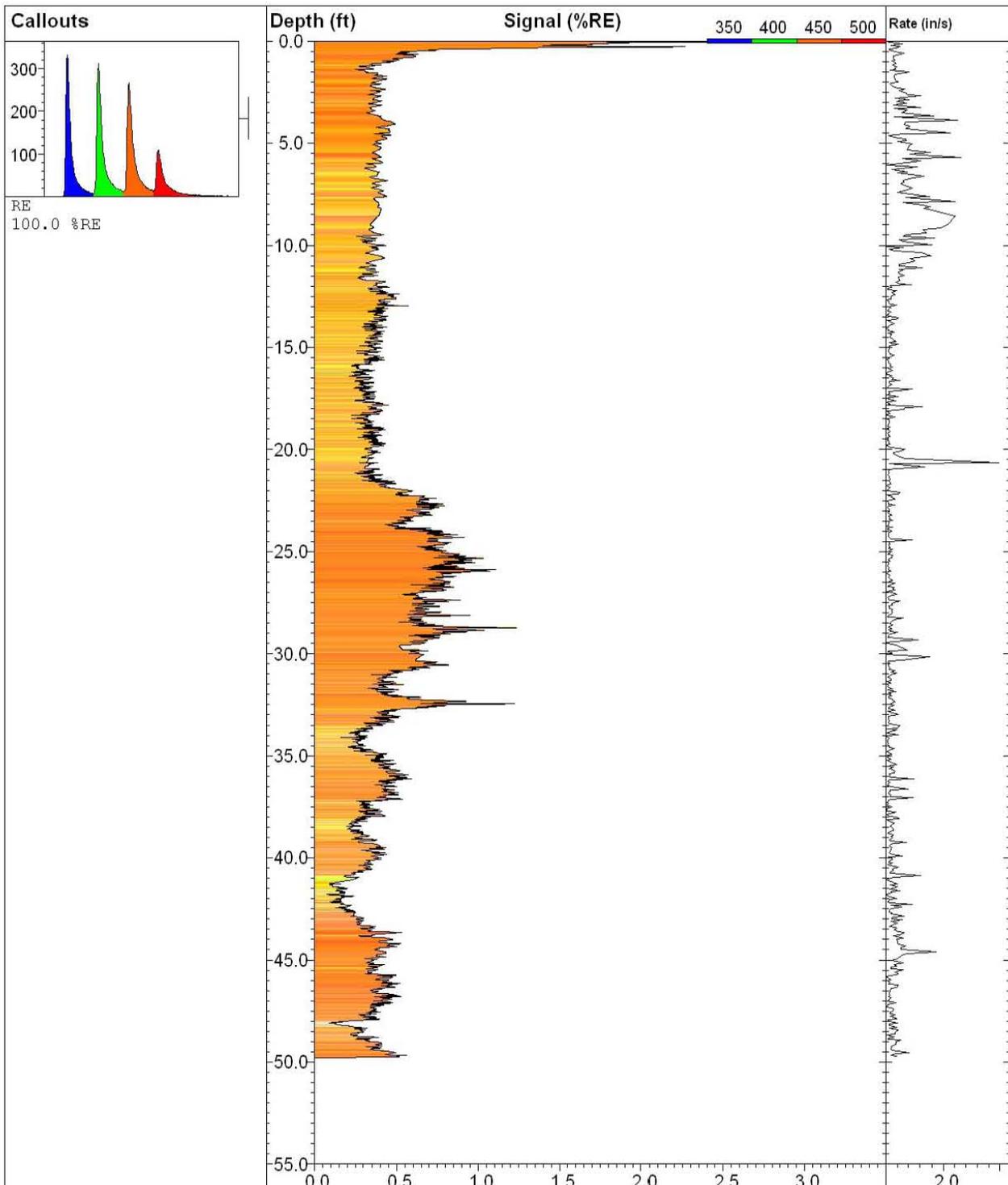
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
50.05 ft

Max signal:
2.9 % @ 23.26 ft

Date & Time:
2010-11-11 13:09 CST



COLUMBIA Technologies
Baltimore, MD 888-344-2704
www.columbiatechnologies.com

LB1

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

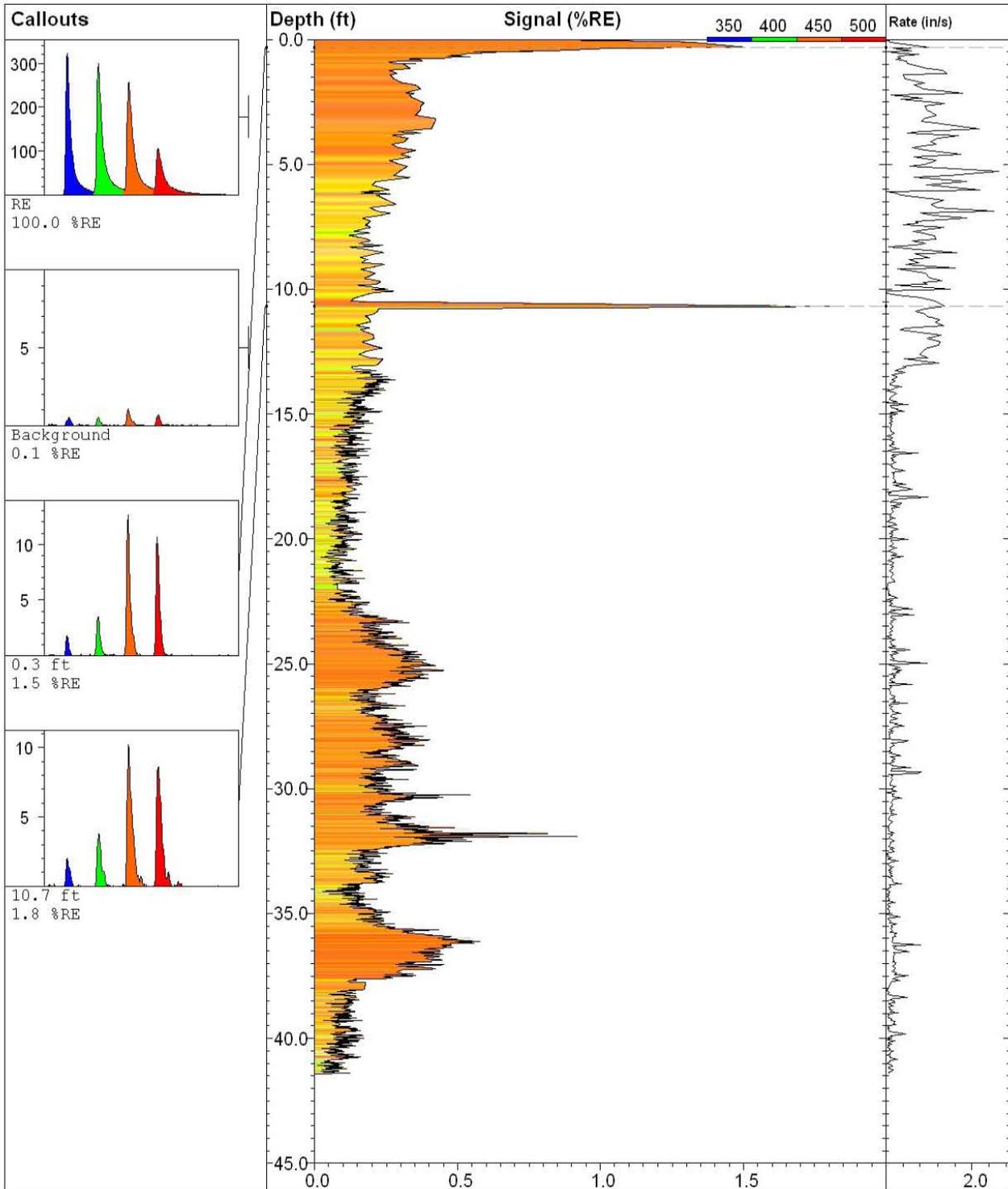
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
49.77 ft

Max signal:
2.9 % @ 0.04 ft

Date & Time:
2010-11-11 14:34 CST



COLUMBIA Technologies
Baltimore, MD 888-344-2704
www.columbiatechnologies.com

LD1

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

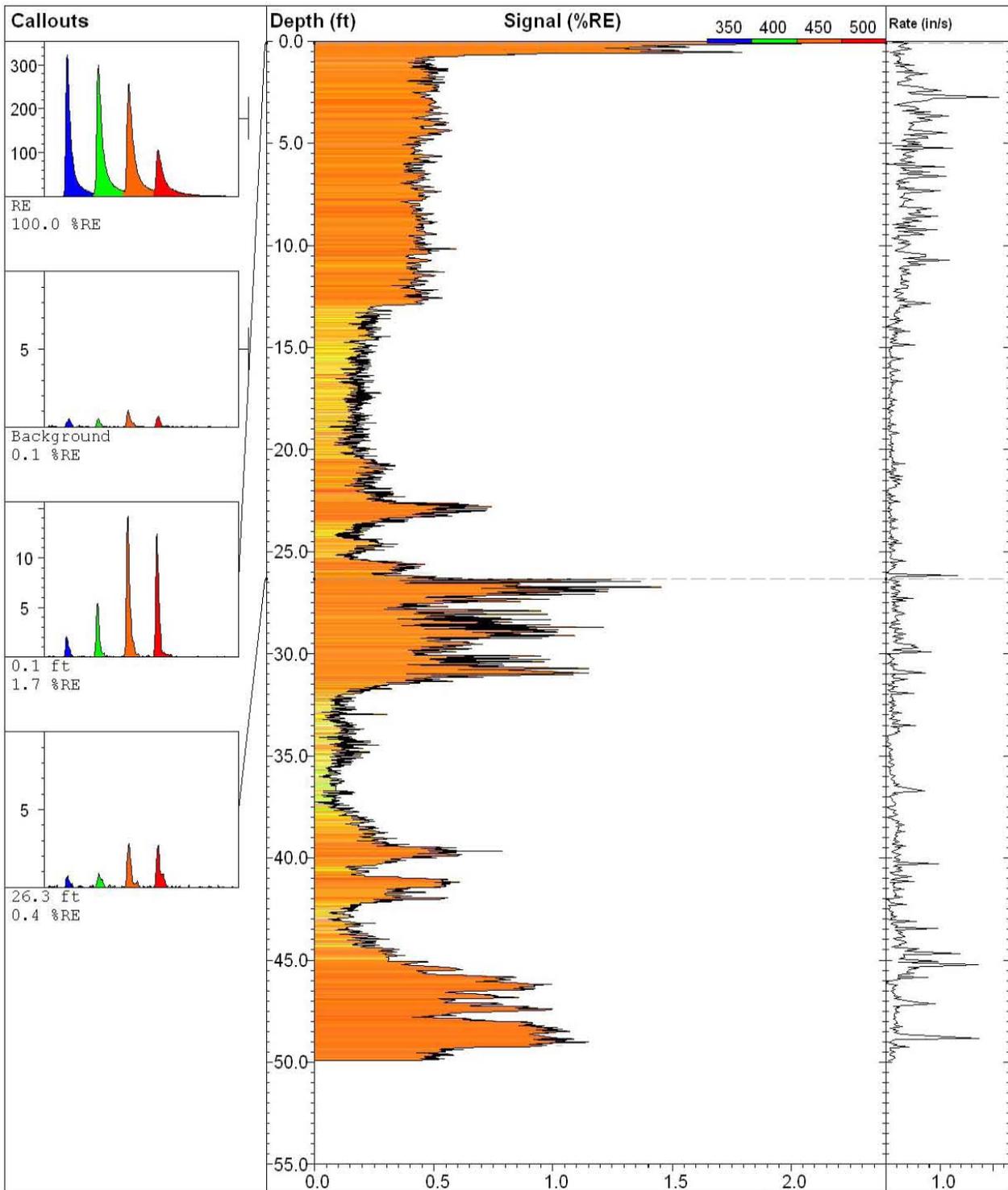
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
41.41 ft

Max signal:
1.8 % @ 10.69 ft

Date & Time:
2010-11-12 14:55 CST



COLUMBIA Technologies
 Baltimore, MD 888-344-2704
 www.columbiatechnologies.com

LE1

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

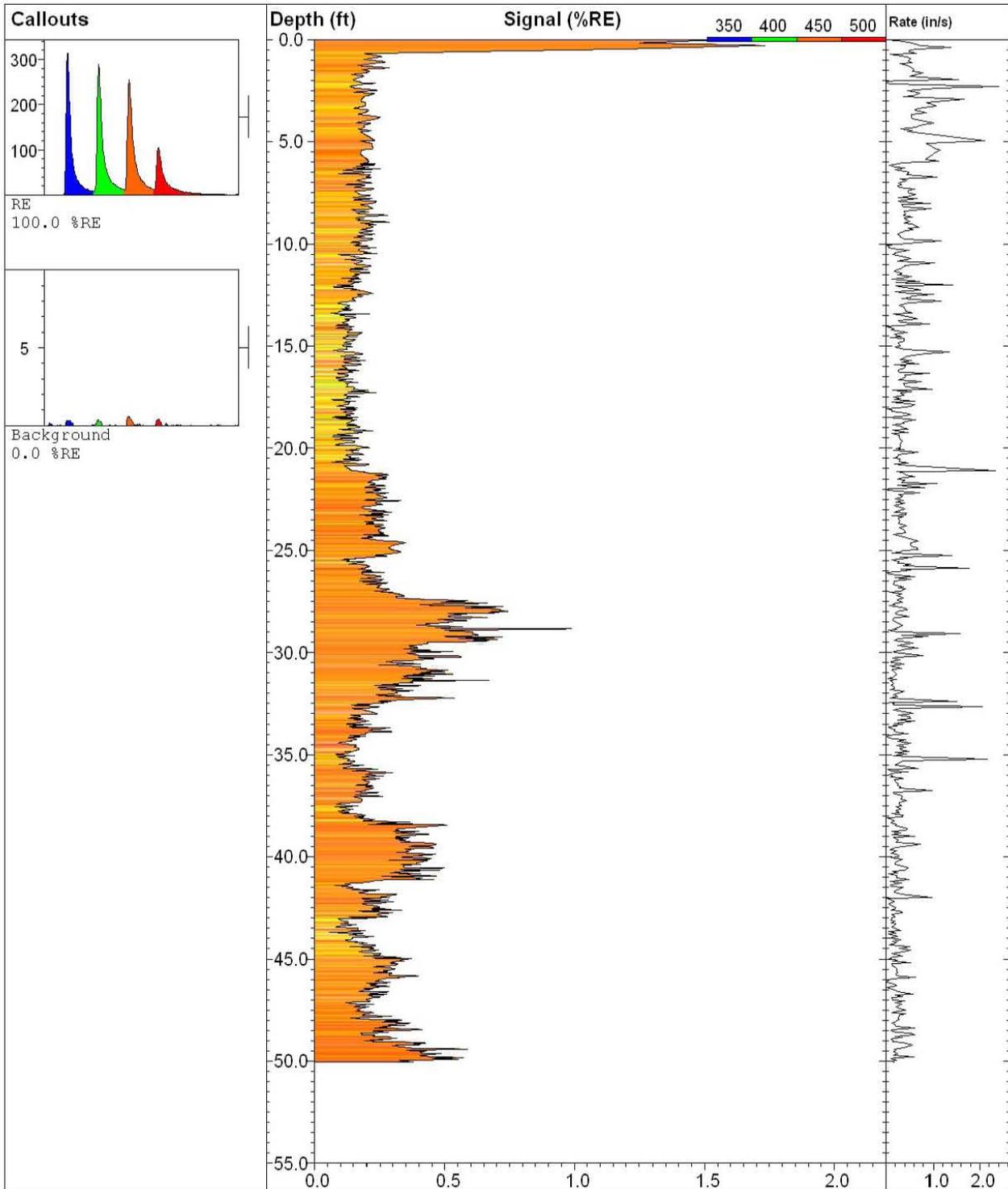
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
49.93 ft

Max signal:
2.2 % @ 0.04 ft

Date & Time:
2010-11-12 12:19 CST



COLUMBIA Technologies
Baltimore, MD 888-344-2704
www.columbiatechnologies.com

LF1

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

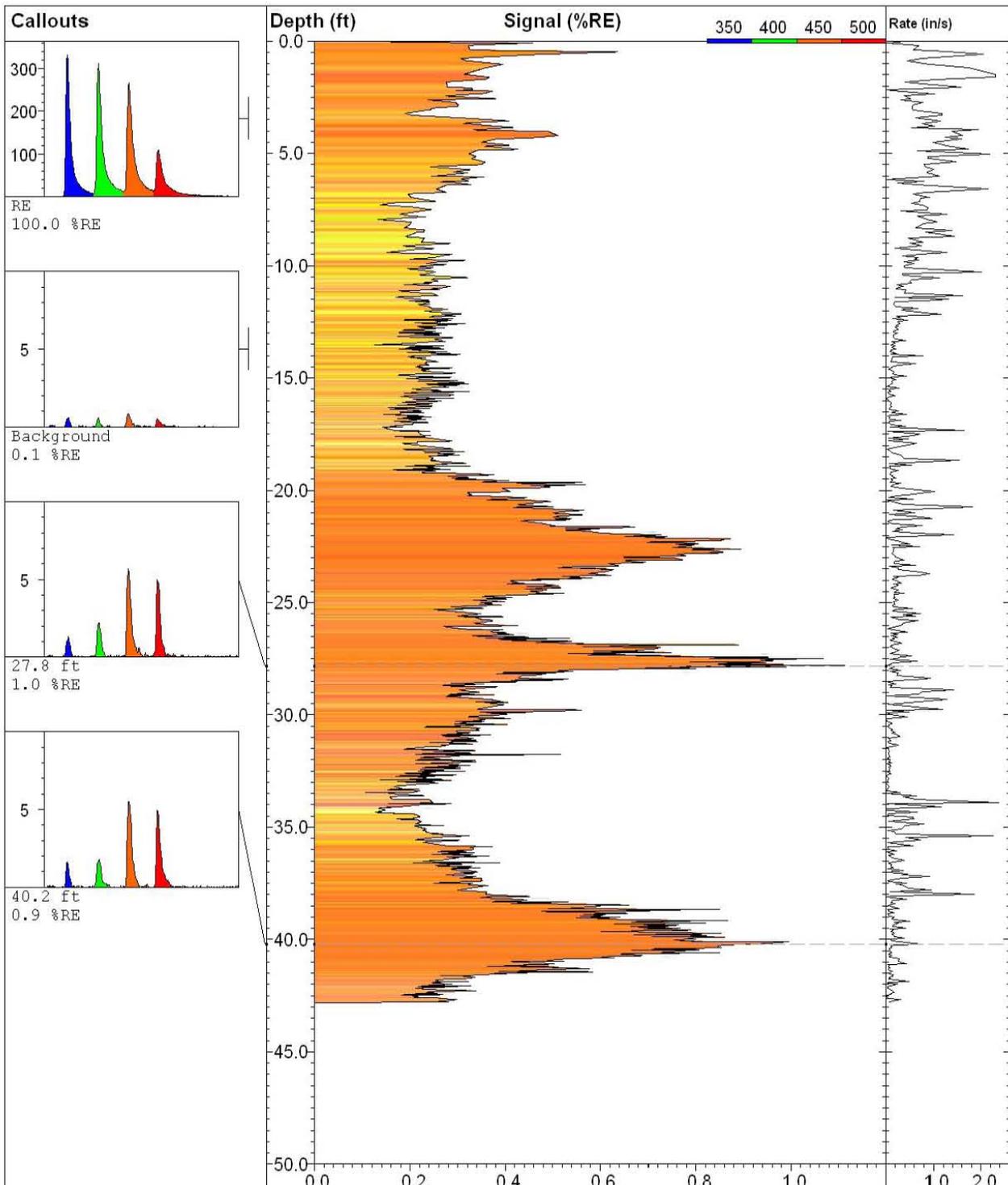
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
50.05 ft

Max signal:
2.0 % @ 0.00 ft

Date & Time:
2010-11-11 11:20 CST



COLUMBIA Technologies
 Baltimore, MD 888-344-2704
 www.columbiatechnologies.com

LF2

Site:
Saufley Field Site 2

Client:
TTNUS

Job:
112G02760

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
MMA/UVOST1008

UVOST By Dakota

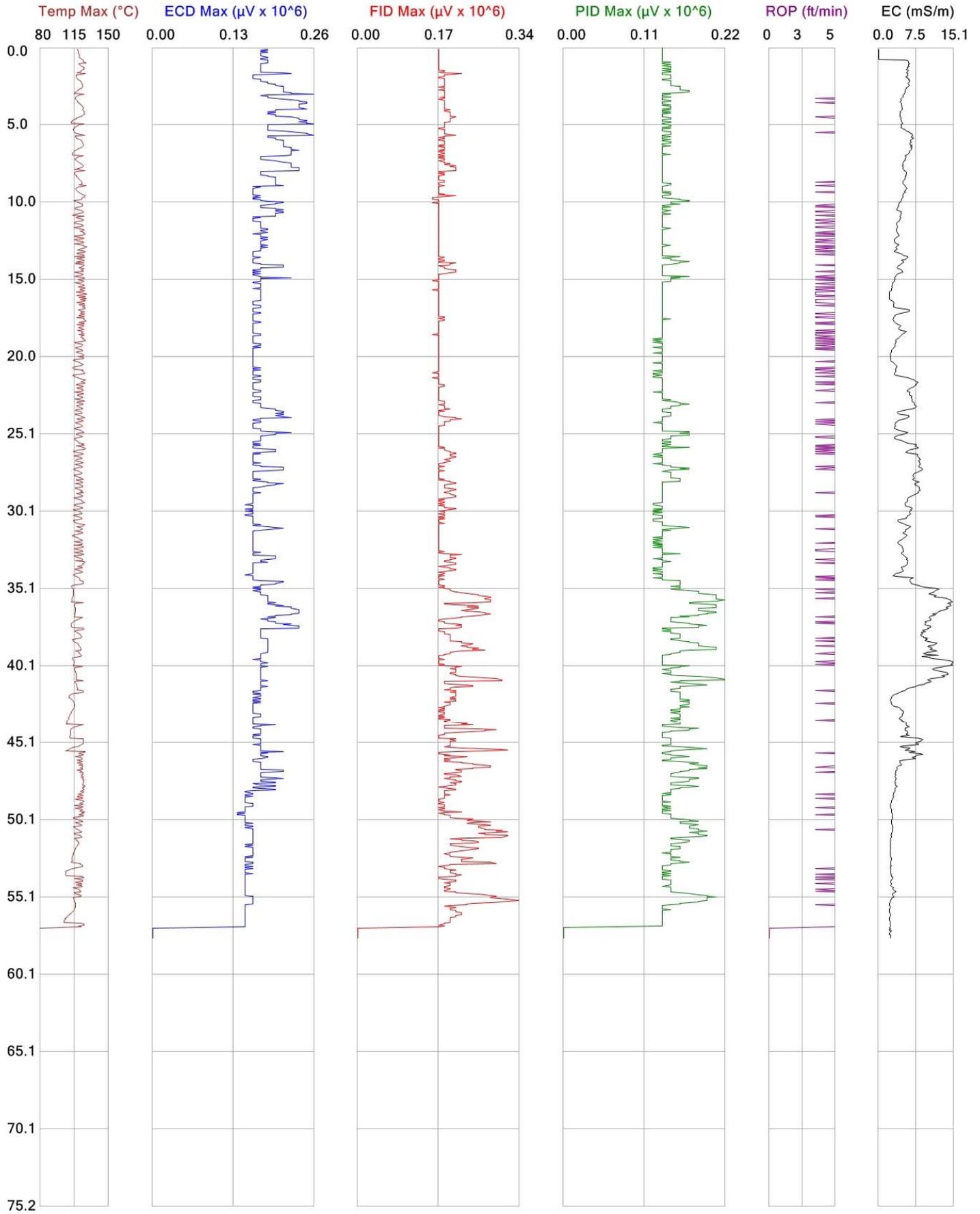
www.DakotaTechnologies.com

Final depth:
42.80 ft

Max signal:
1.1 % @ 27.80 ft

Date & Time:
2010-11-11 14:34 CST

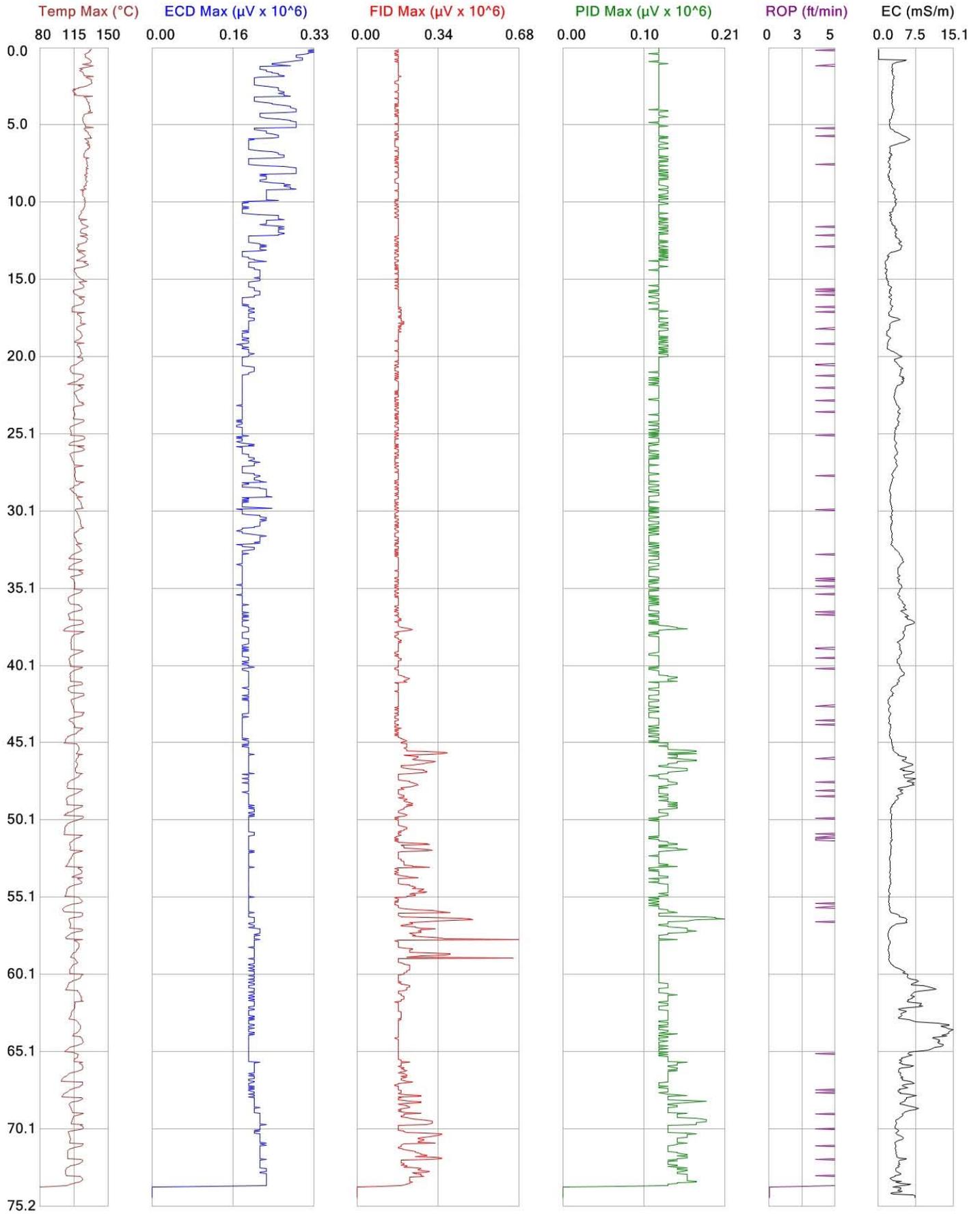
APPENDIX B
MIP Logs (Best Fit Scale)



File: M01
Date: 11/13/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

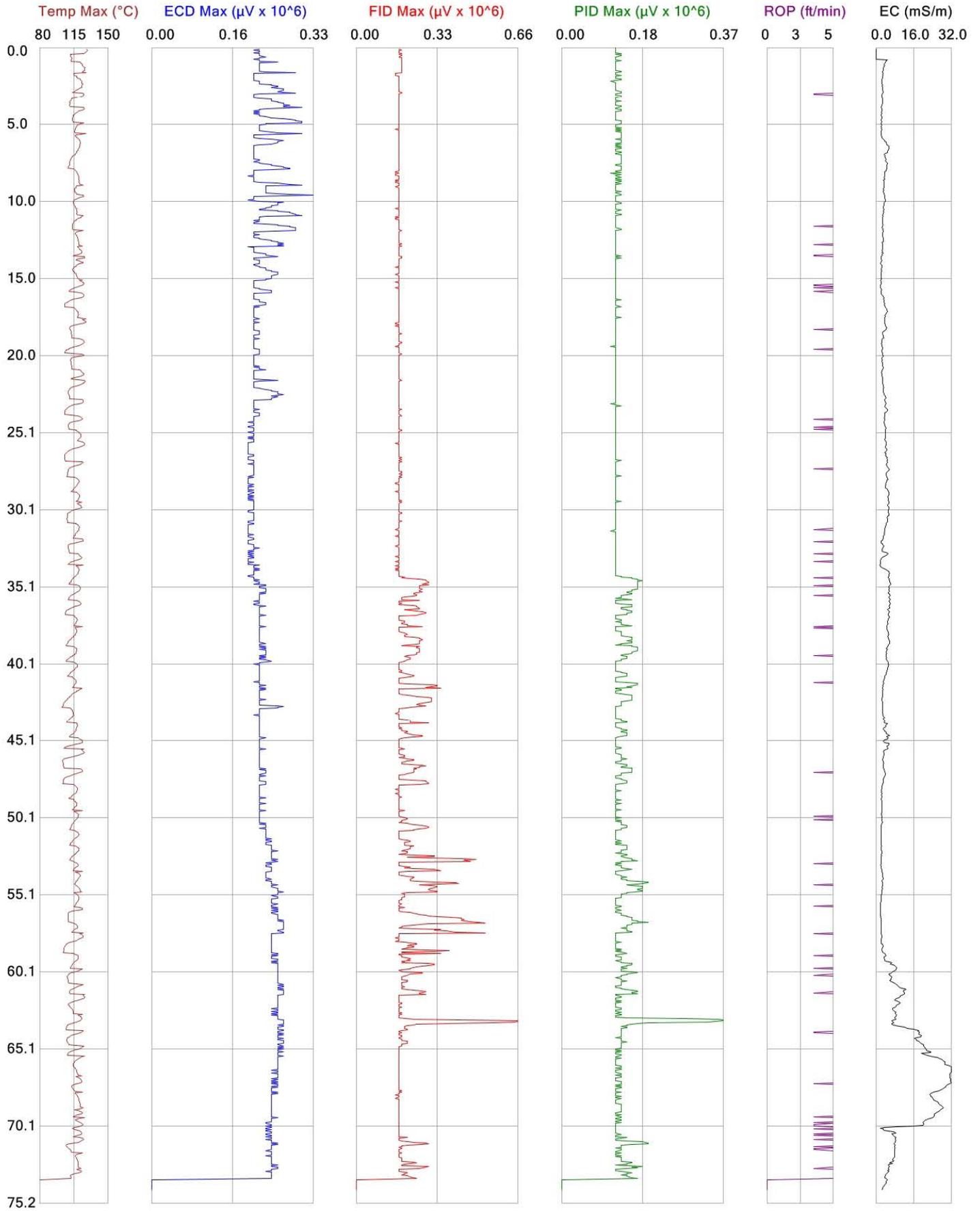




File: MA1
Date: 11/15/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

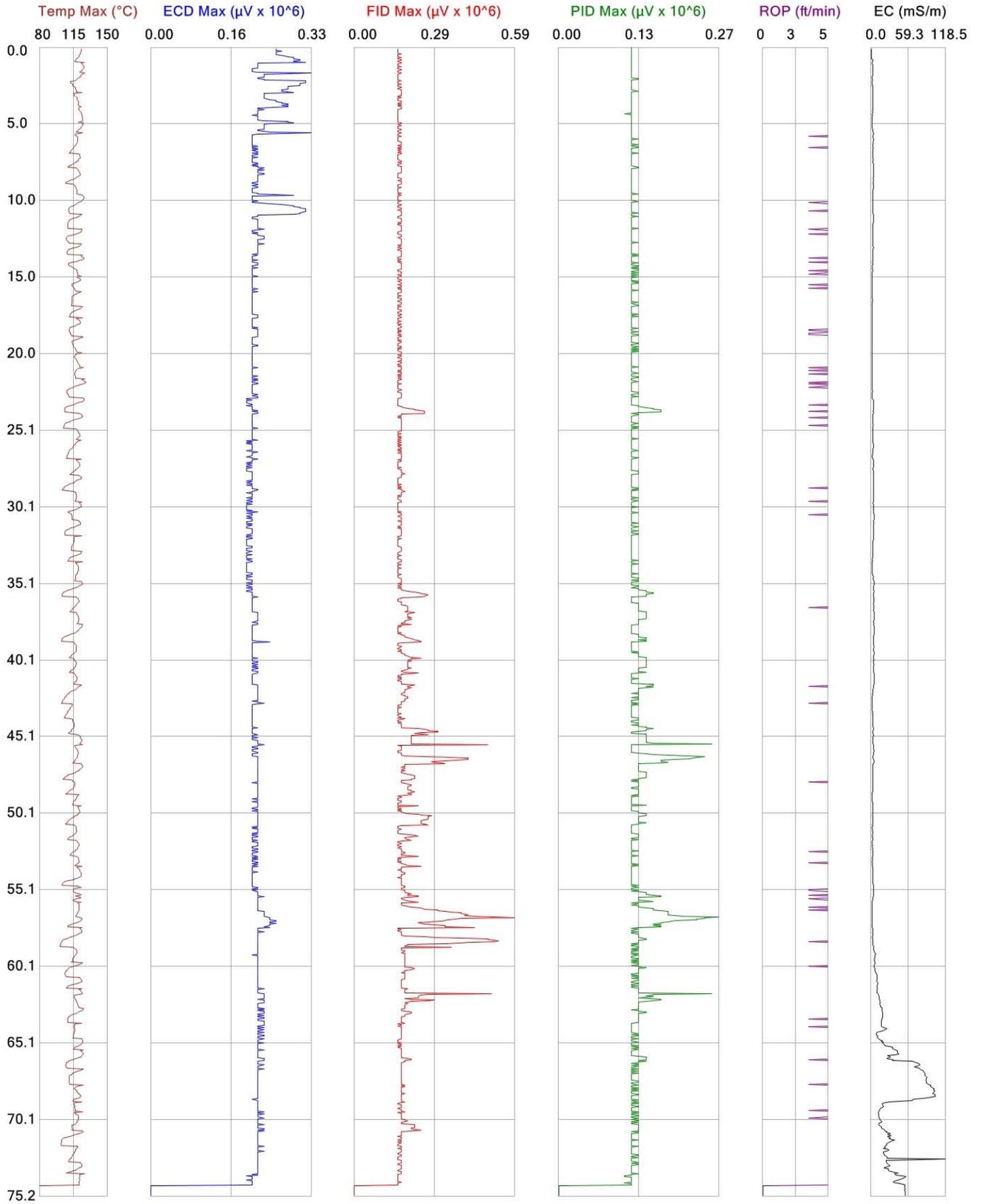




File: MB1
Date: 11/16/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

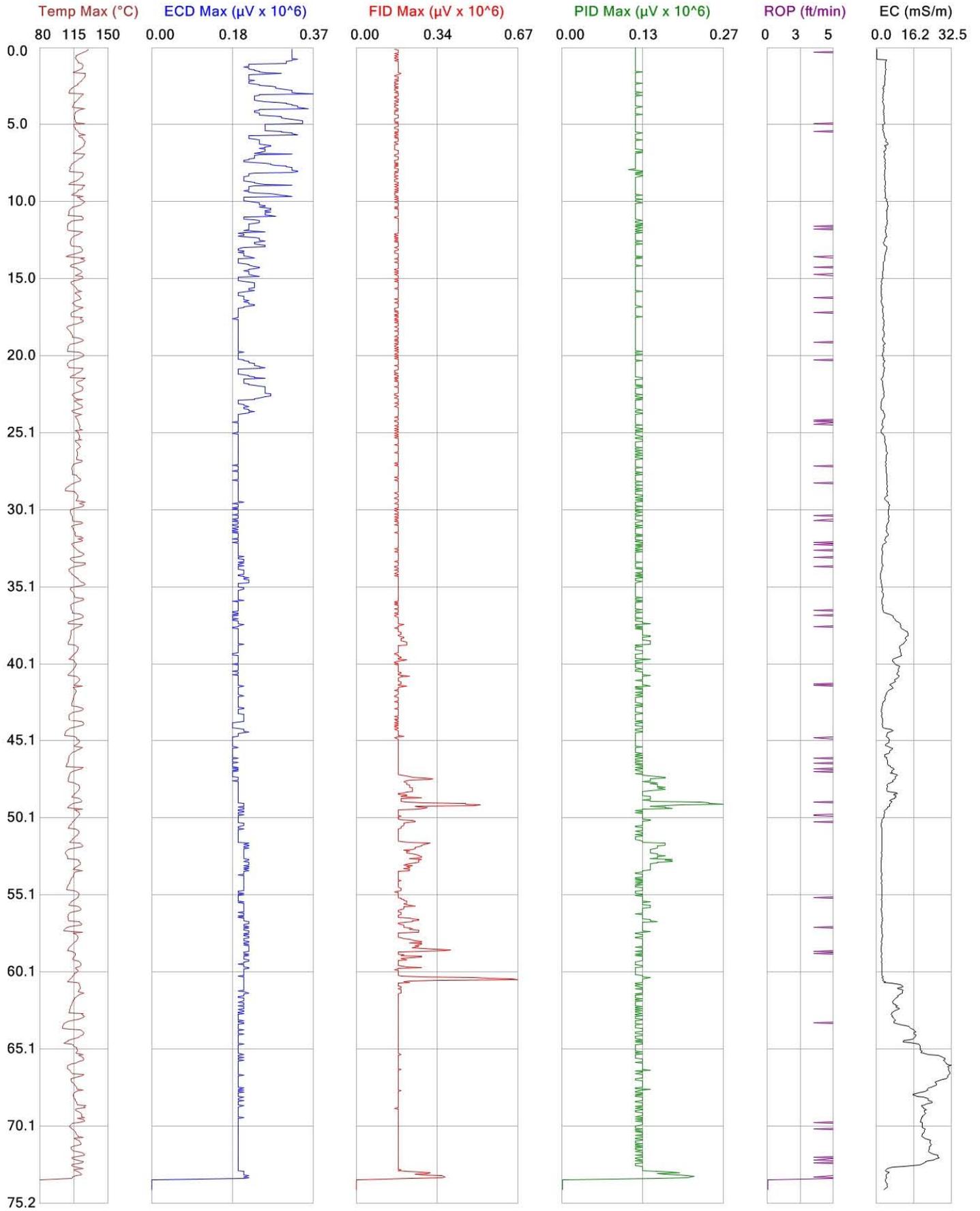




File: MD1
Date: 11/15/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

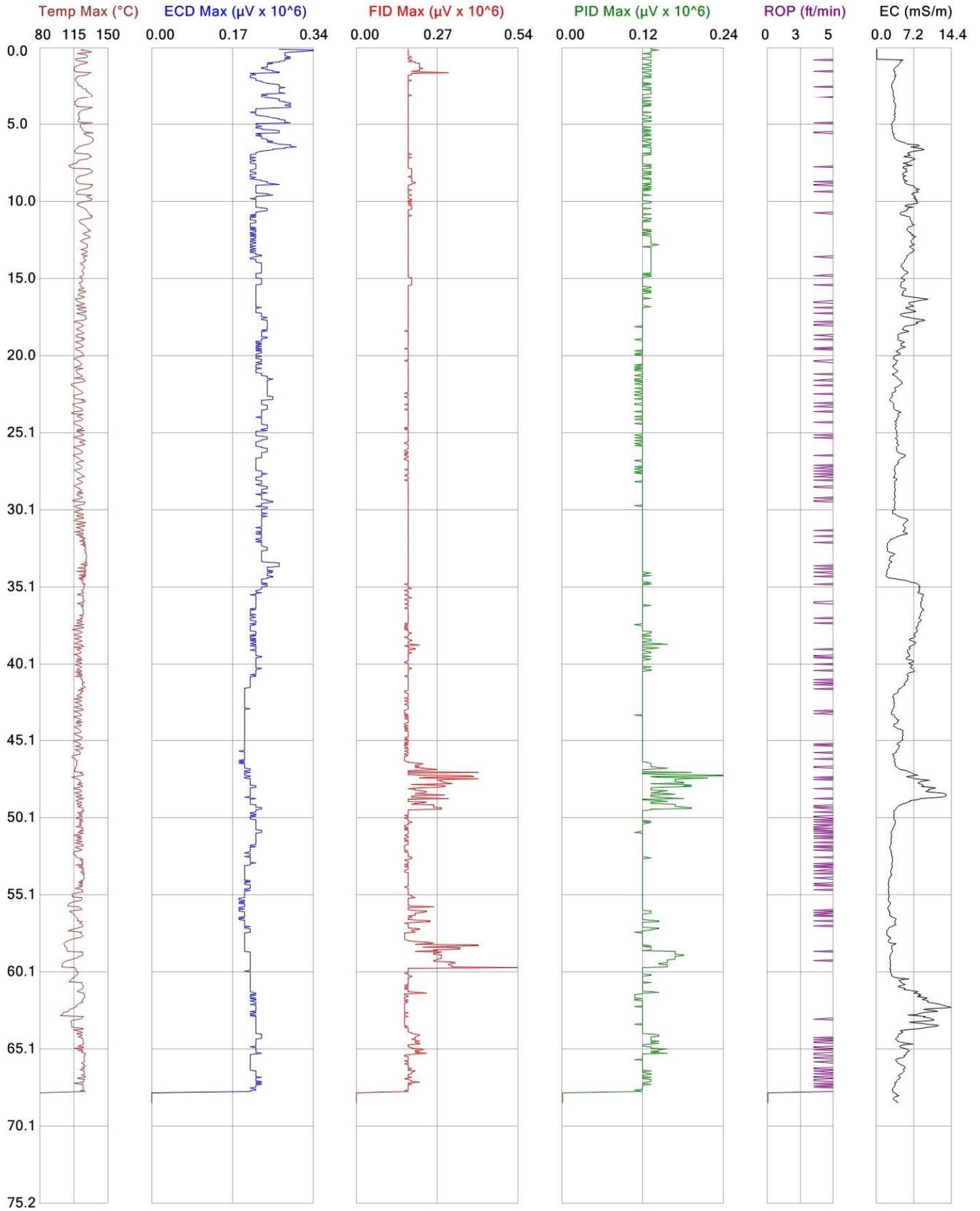




File: ME1
Date: 11/15/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

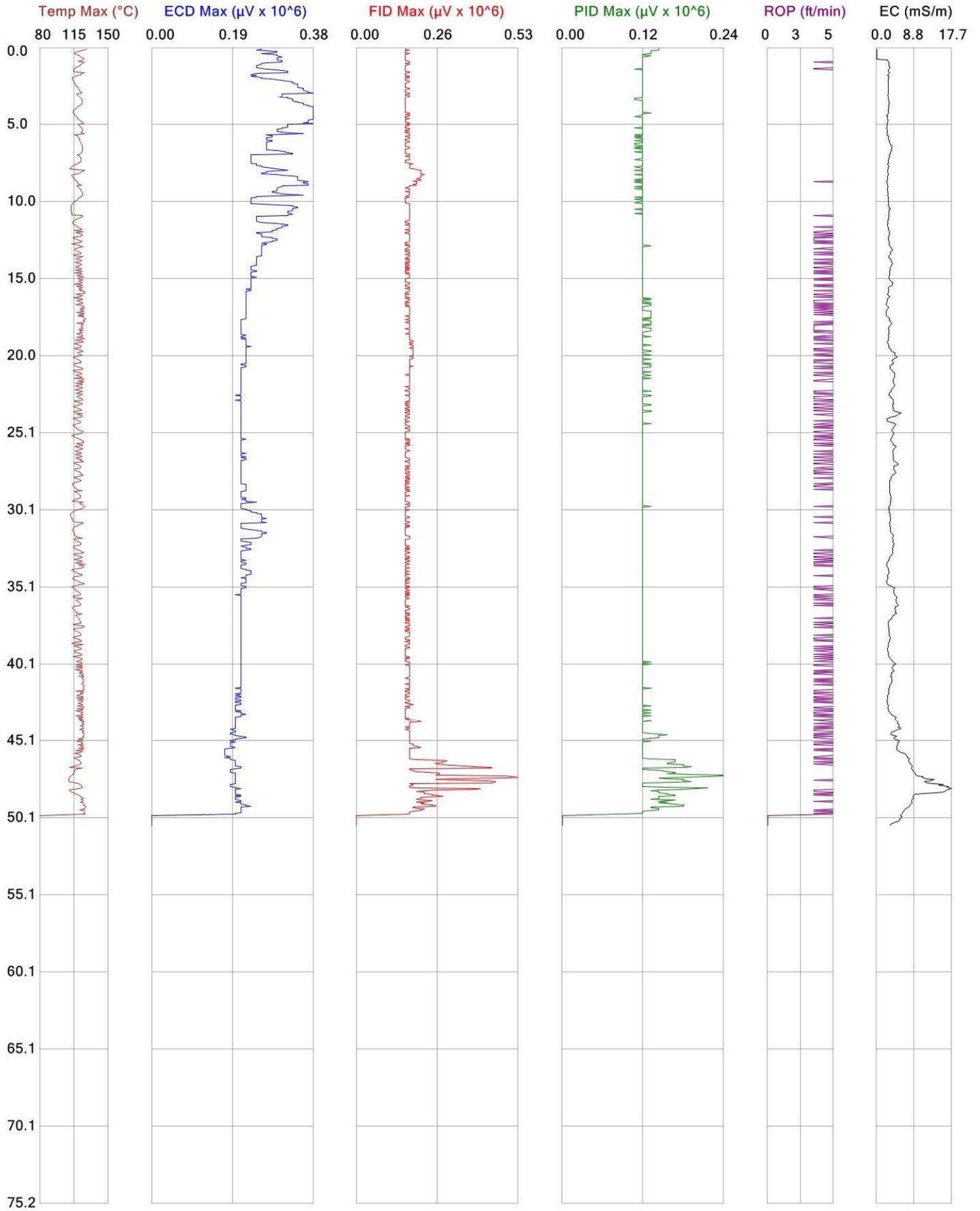




File: MF1
Date: 11/14/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

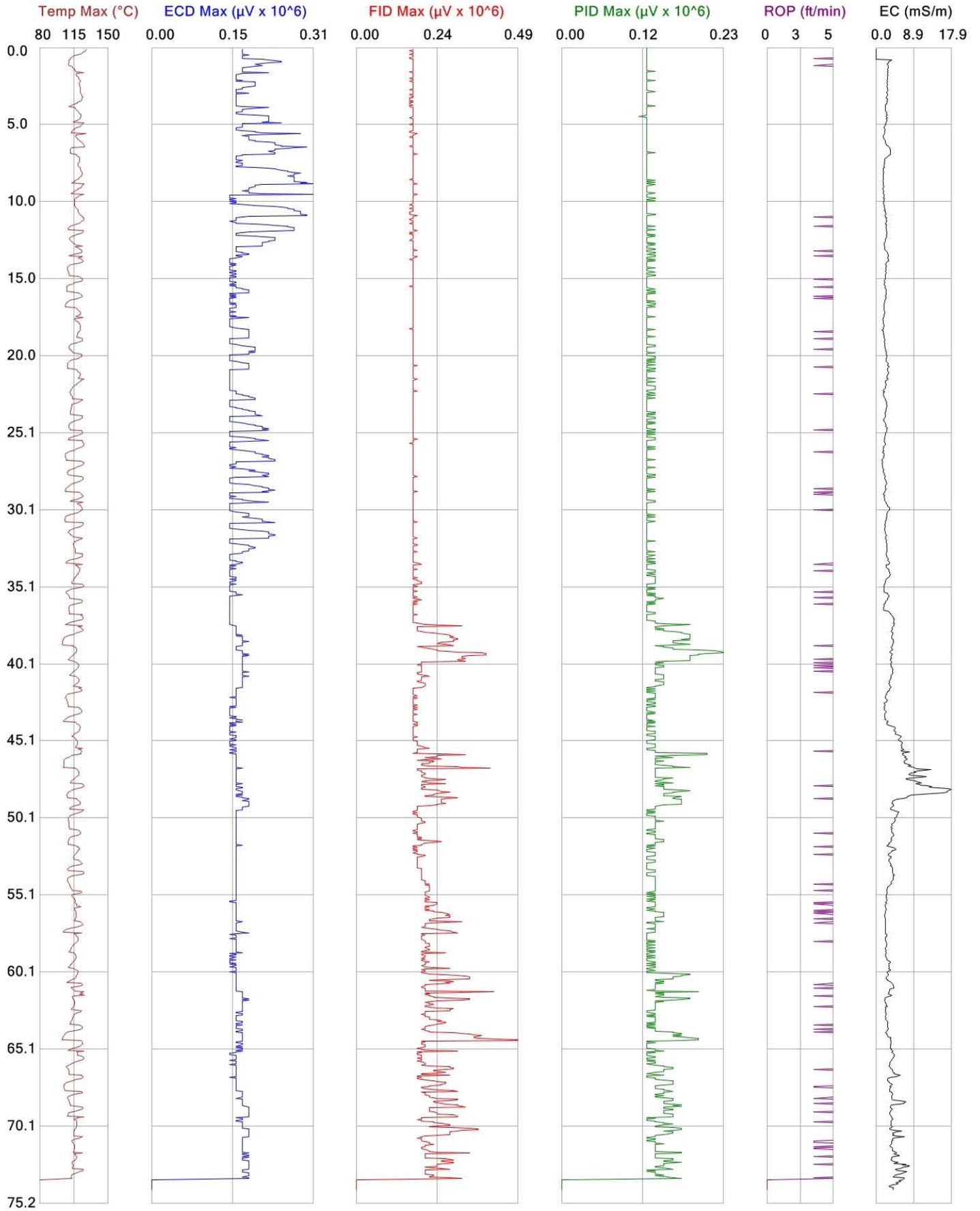




File: MF2
Date: 11/14/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



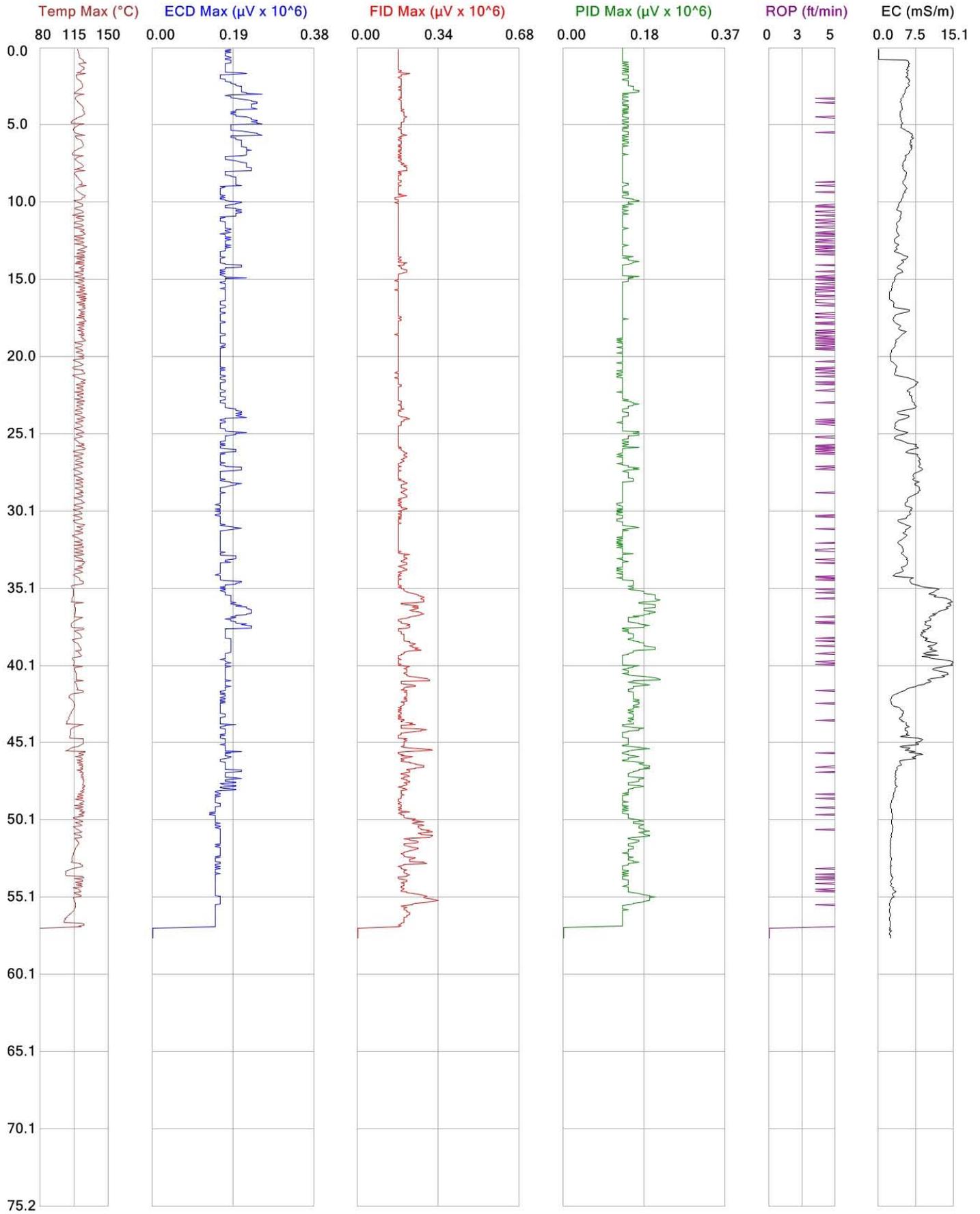


File: MF3
Date: 11/16/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



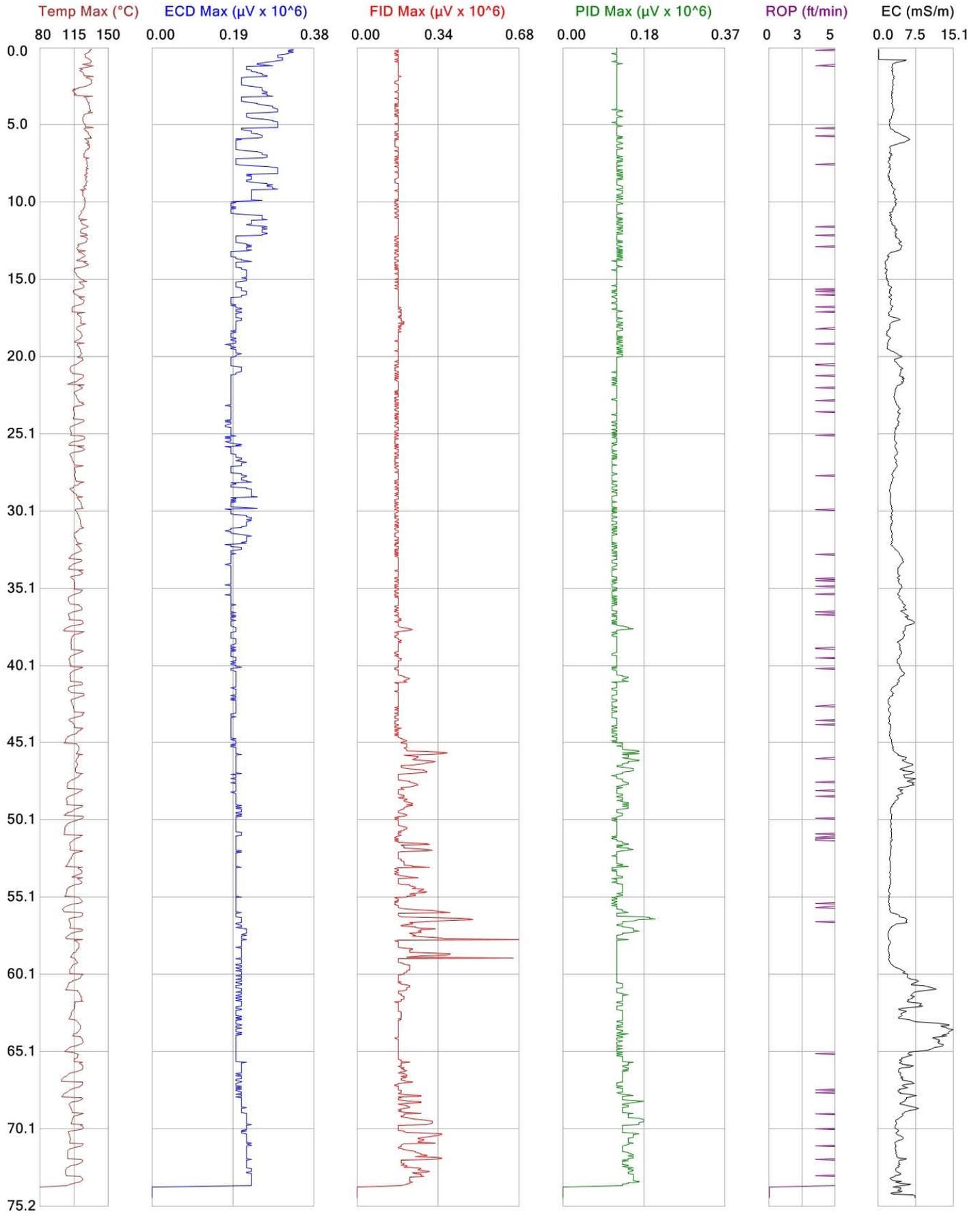
APPENDIX C
MIP Logs (Collective Scale)



File: M01
Date: 11/13/2010
Location:



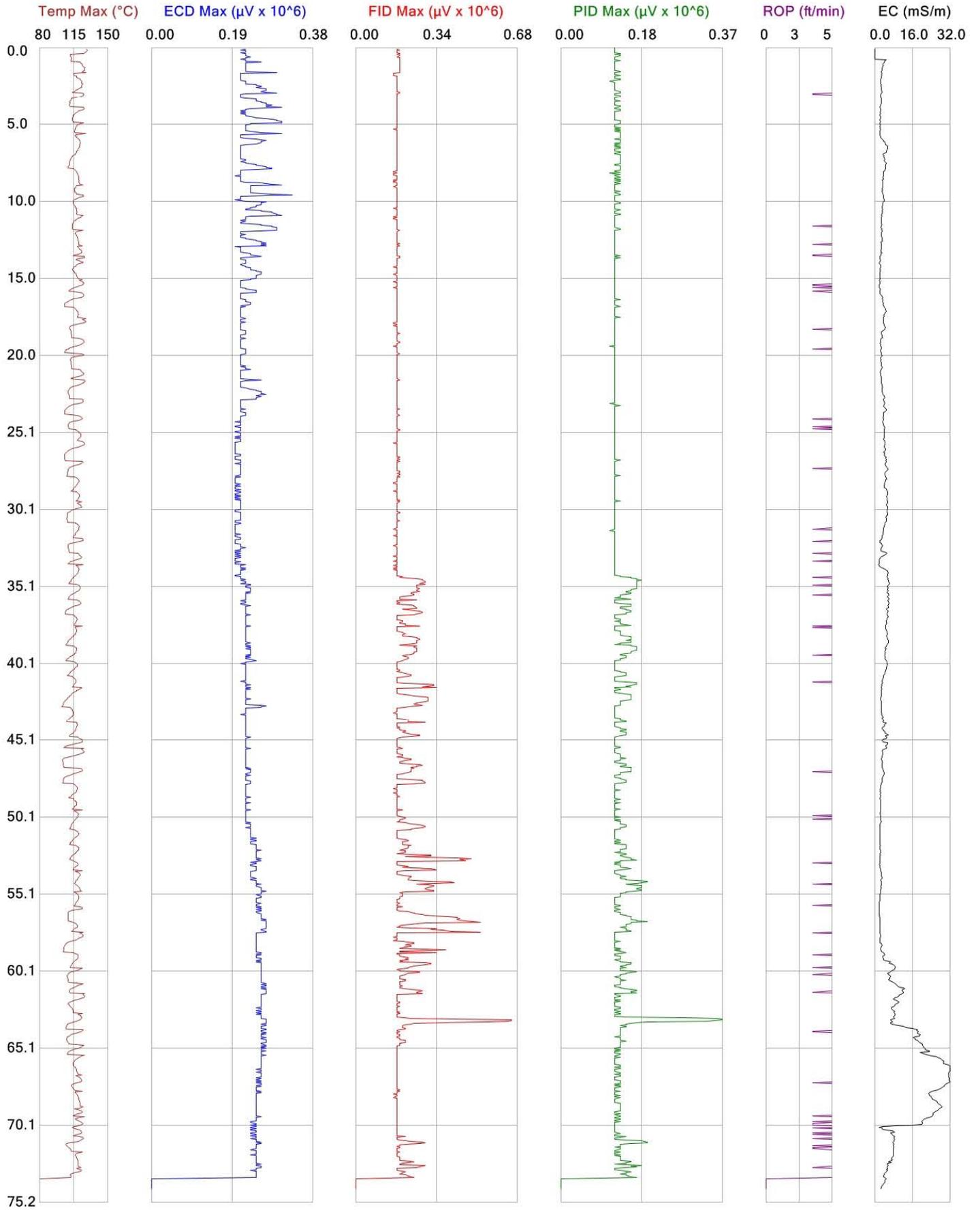
Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



File: MA1
Date: 11/15/2010
Location:



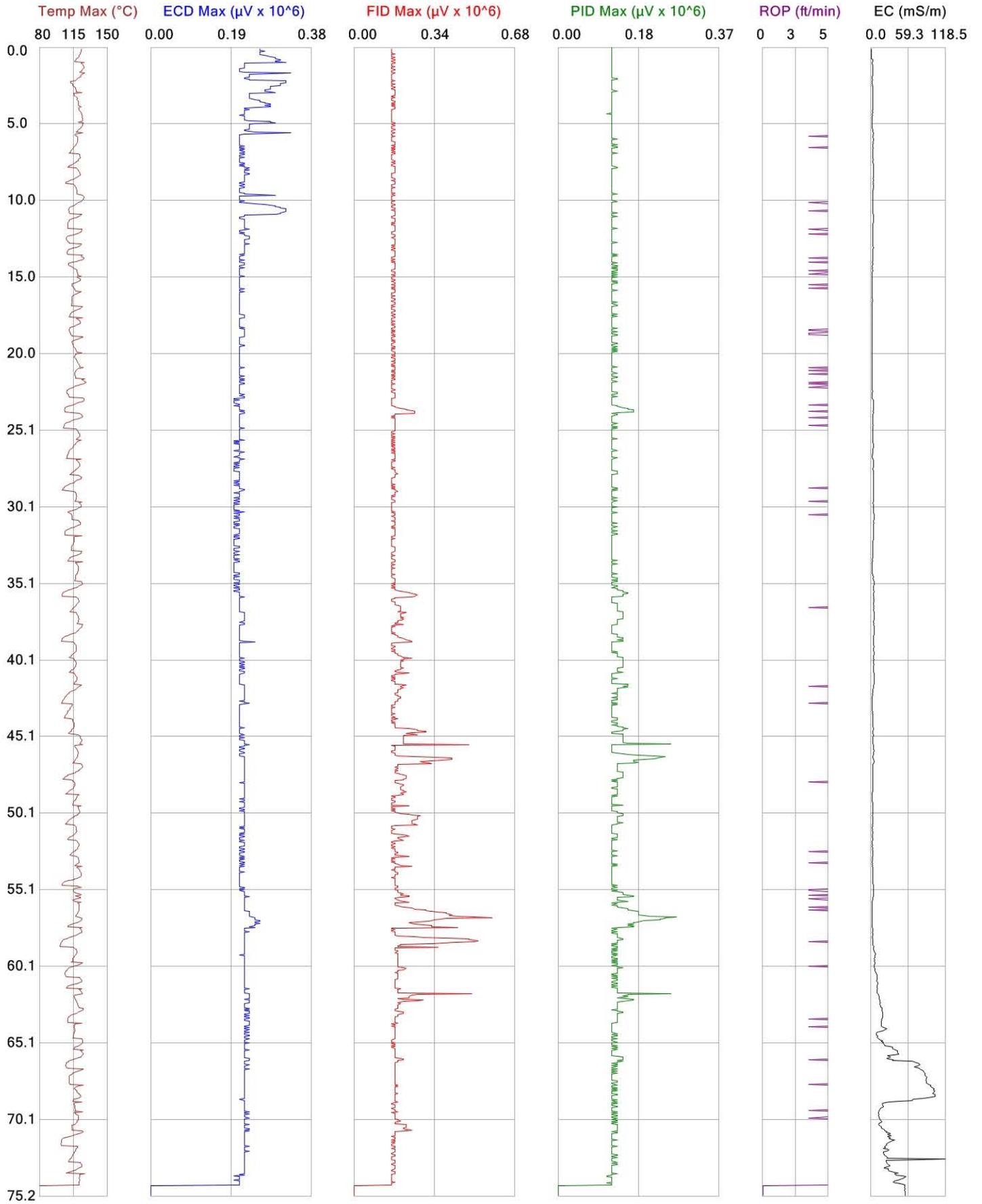
Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



File: MB1
Date: 11/16/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

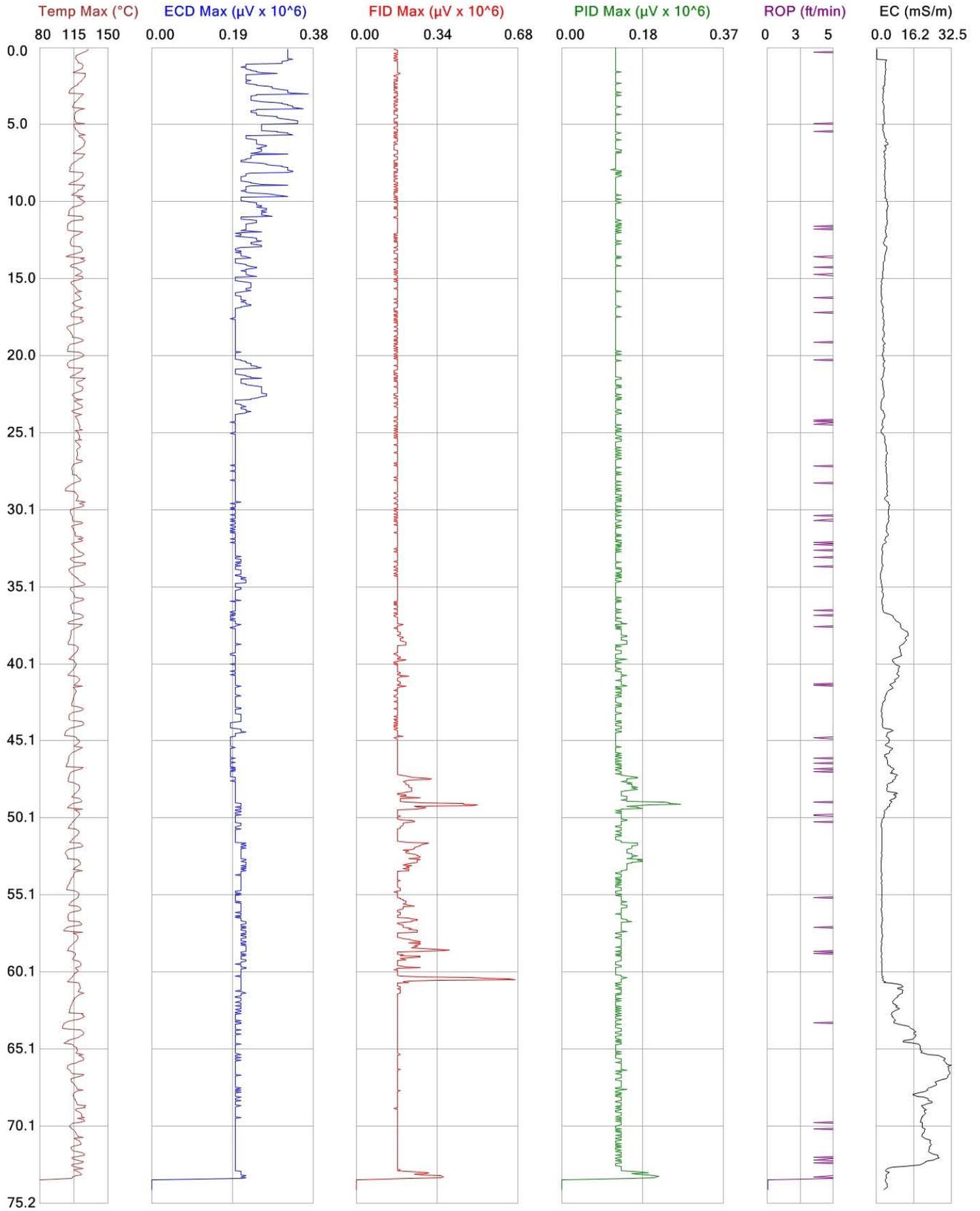




File: MD1
Date: 11/15/2010
Location:



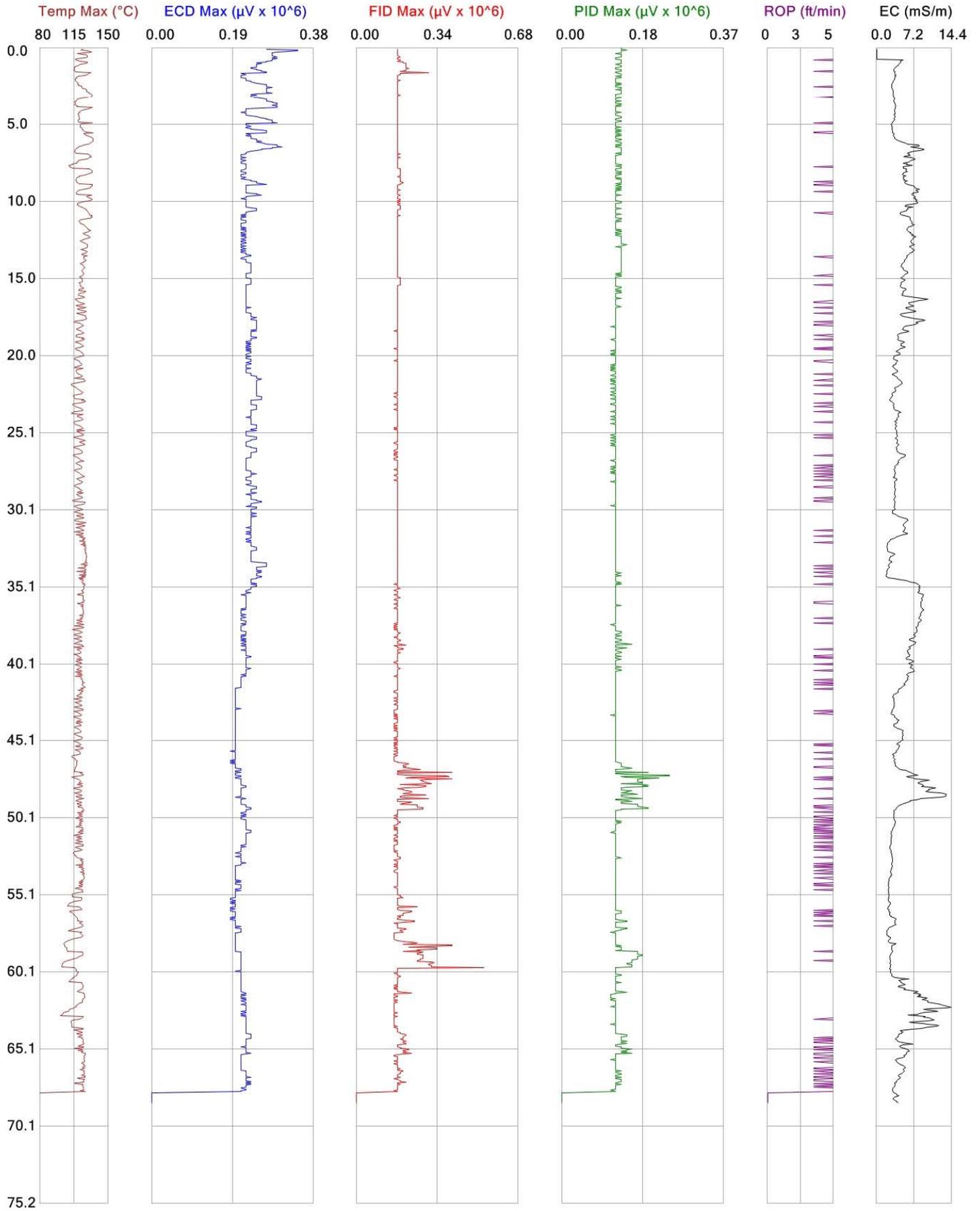
Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



File: ME1
Date: 11/15/2010
Location:



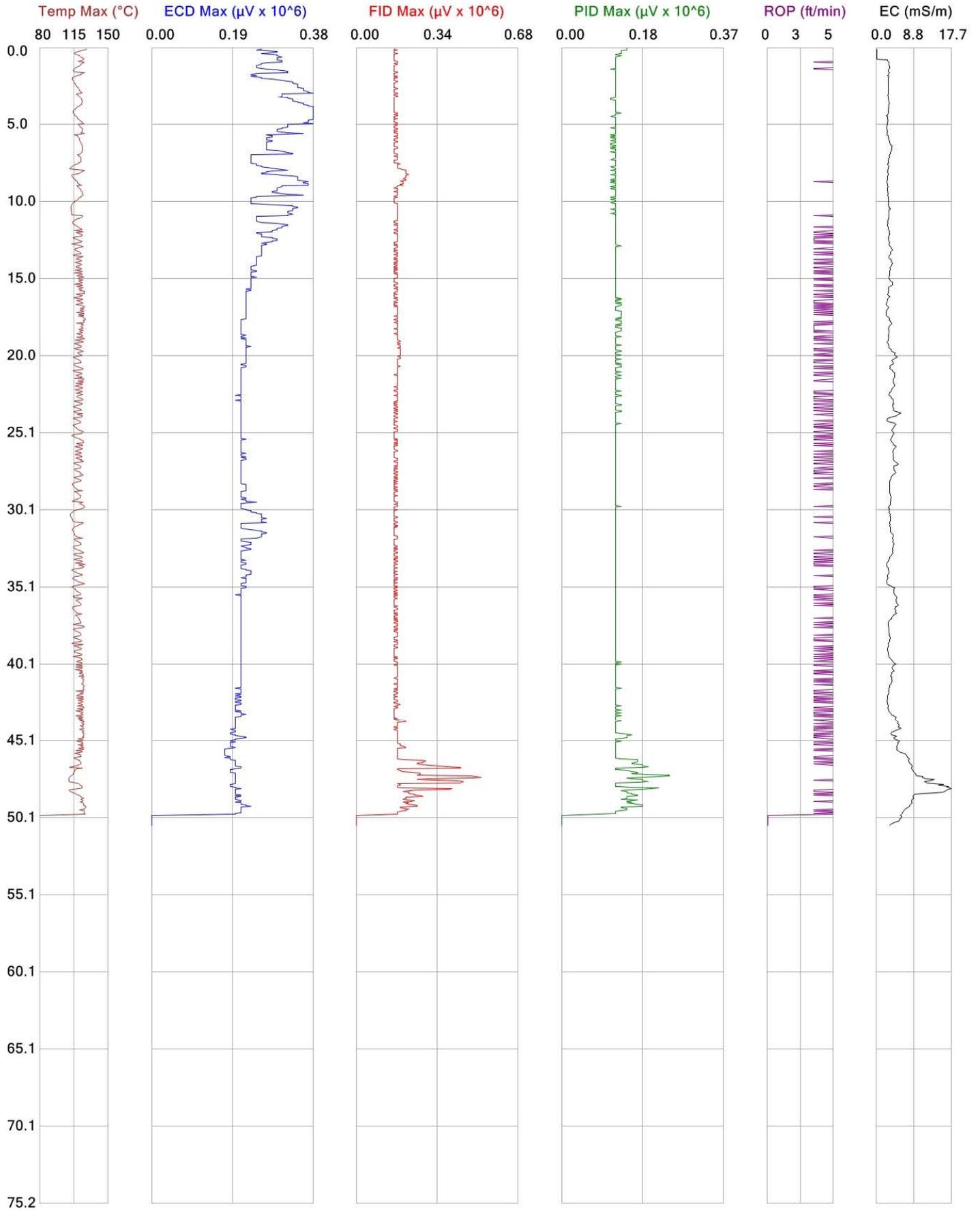
Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



File: MF1
Date: 11/14/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area

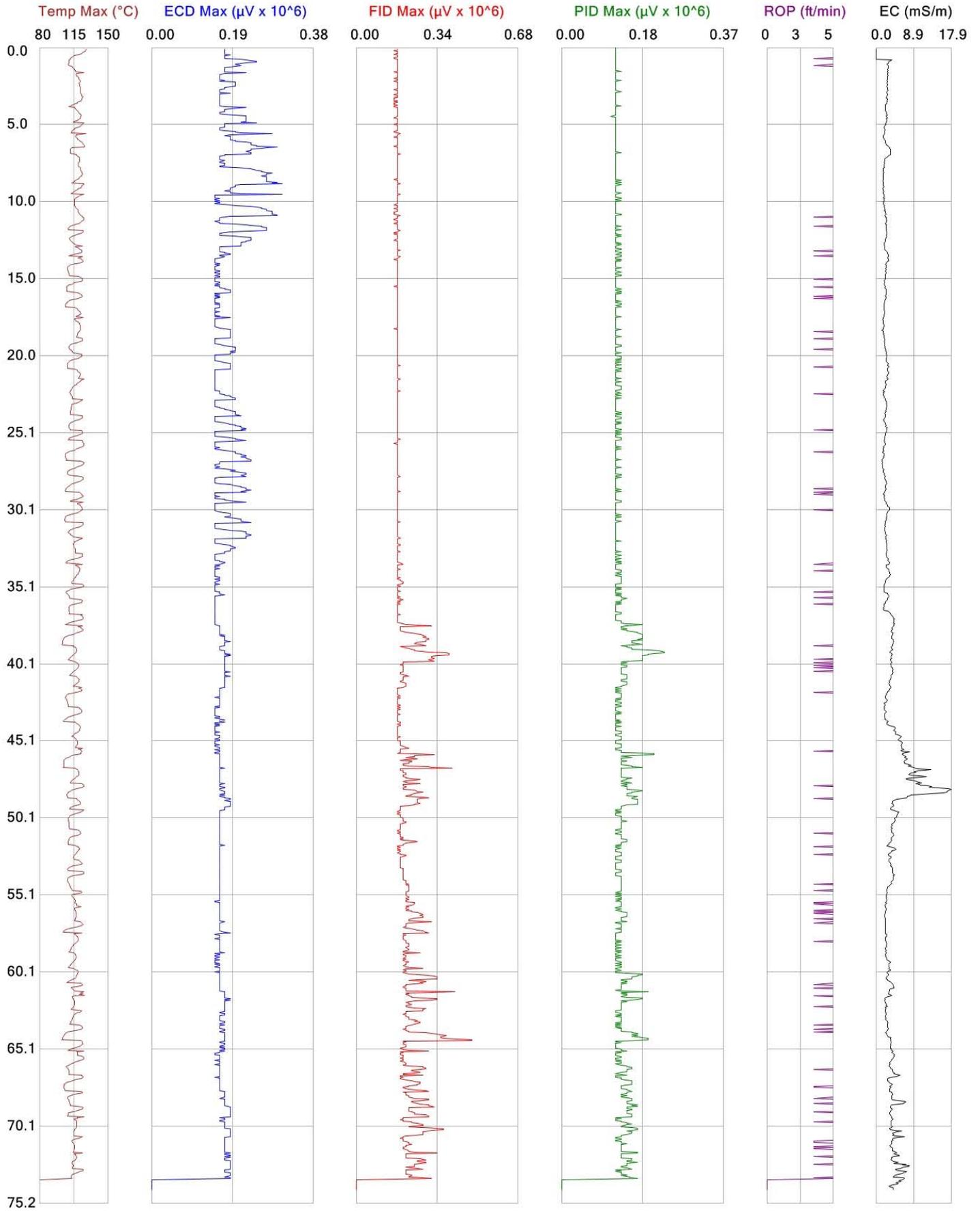




File: MF2
Date: 11/14/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area





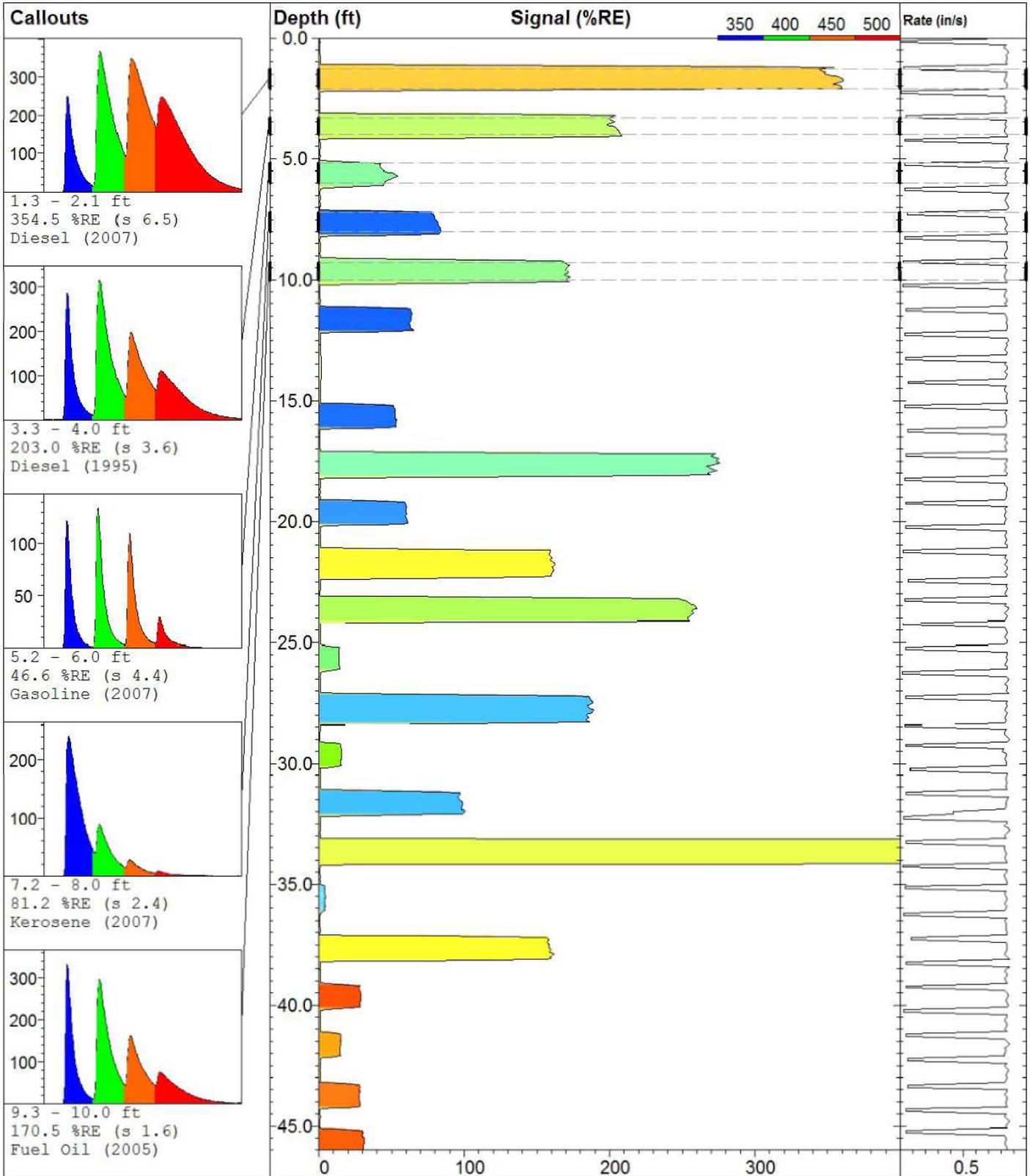
File: MF3
Date: 11/16/2010
Location:

Client: Tetra Tech NUS, Inc.
 Project ID: Fire Fighting Training Area



APPENDIX D

UVOST Response to Various Random Products Saturated on Wet Sand



Dakota Technologies, Inc.
 Fargo, ND (701)237-4908
 www.DakotaTechnologies.com

Various products on sand

Site:
Examples

Client:
DTI

Job:

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
T.Rudolph/UVOST1002

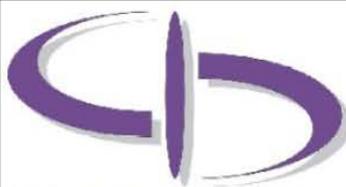
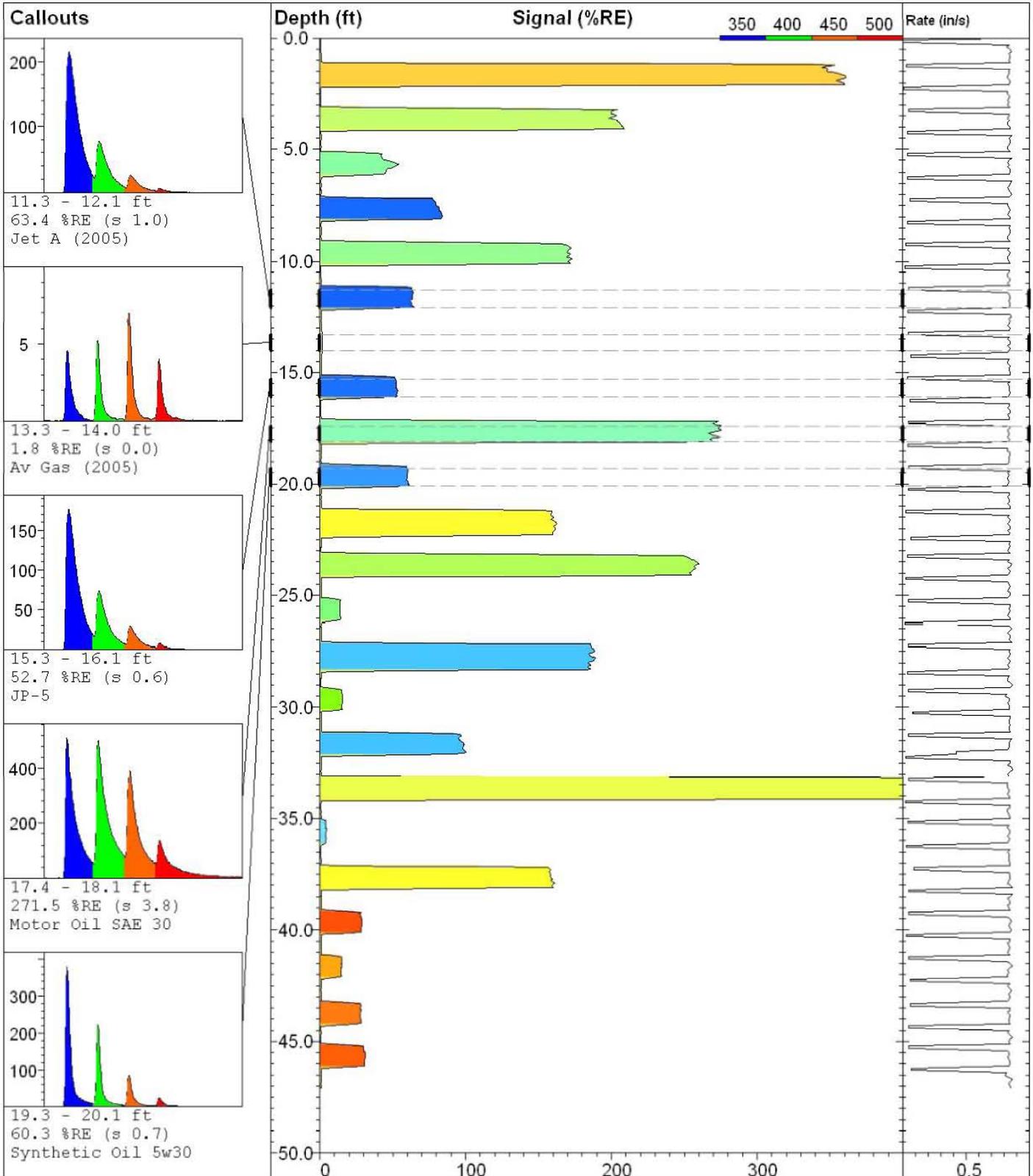
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
47.10 ft

Max signal:
826.6 % @ 33.20 ft

Date & Time:
2007-08-24 14:25 CDT



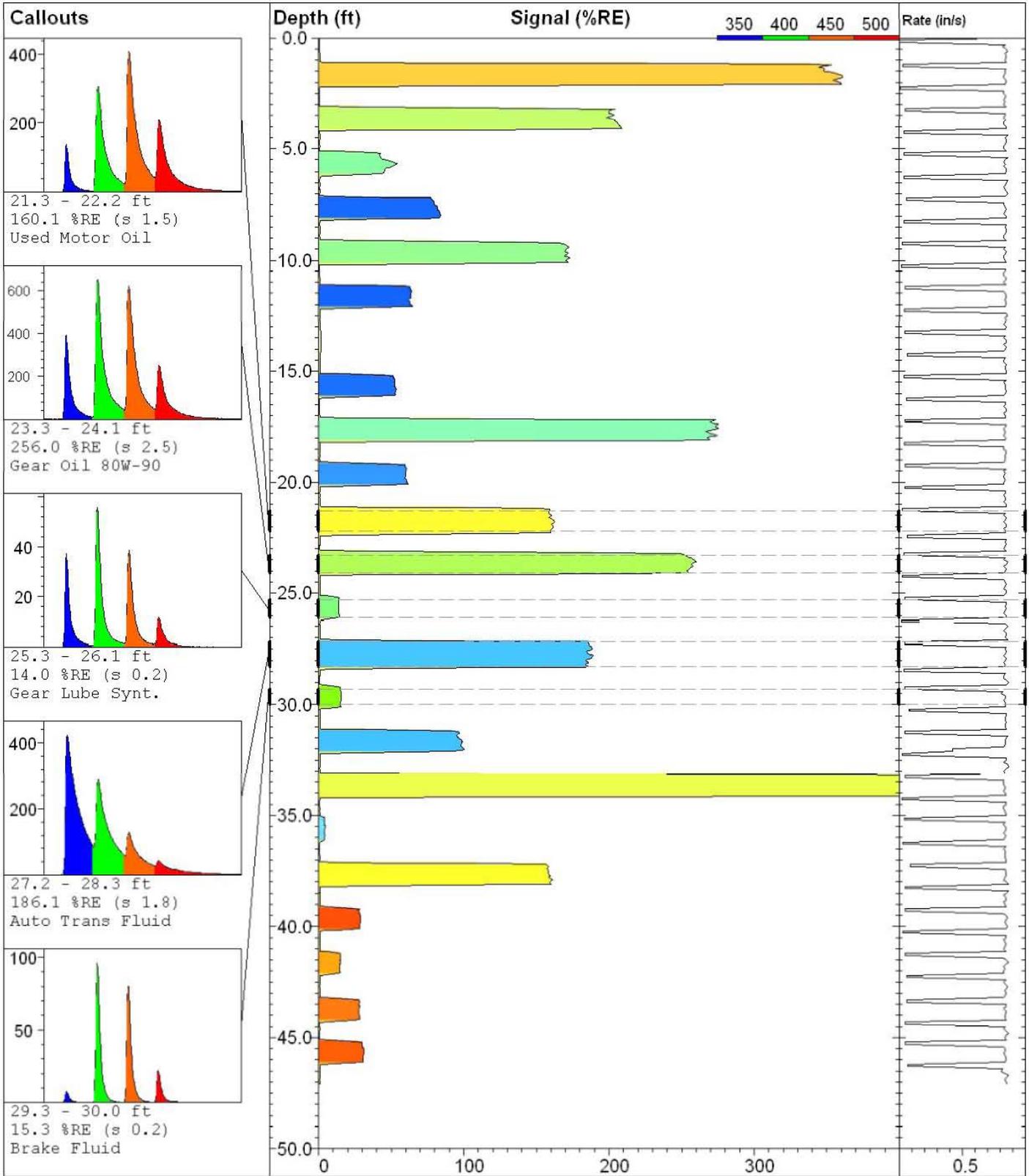
Dakota Technologies, Inc.
 Fargo, ND (701)237-4908
 www.DakotaTechnologies.com

Various products on sand

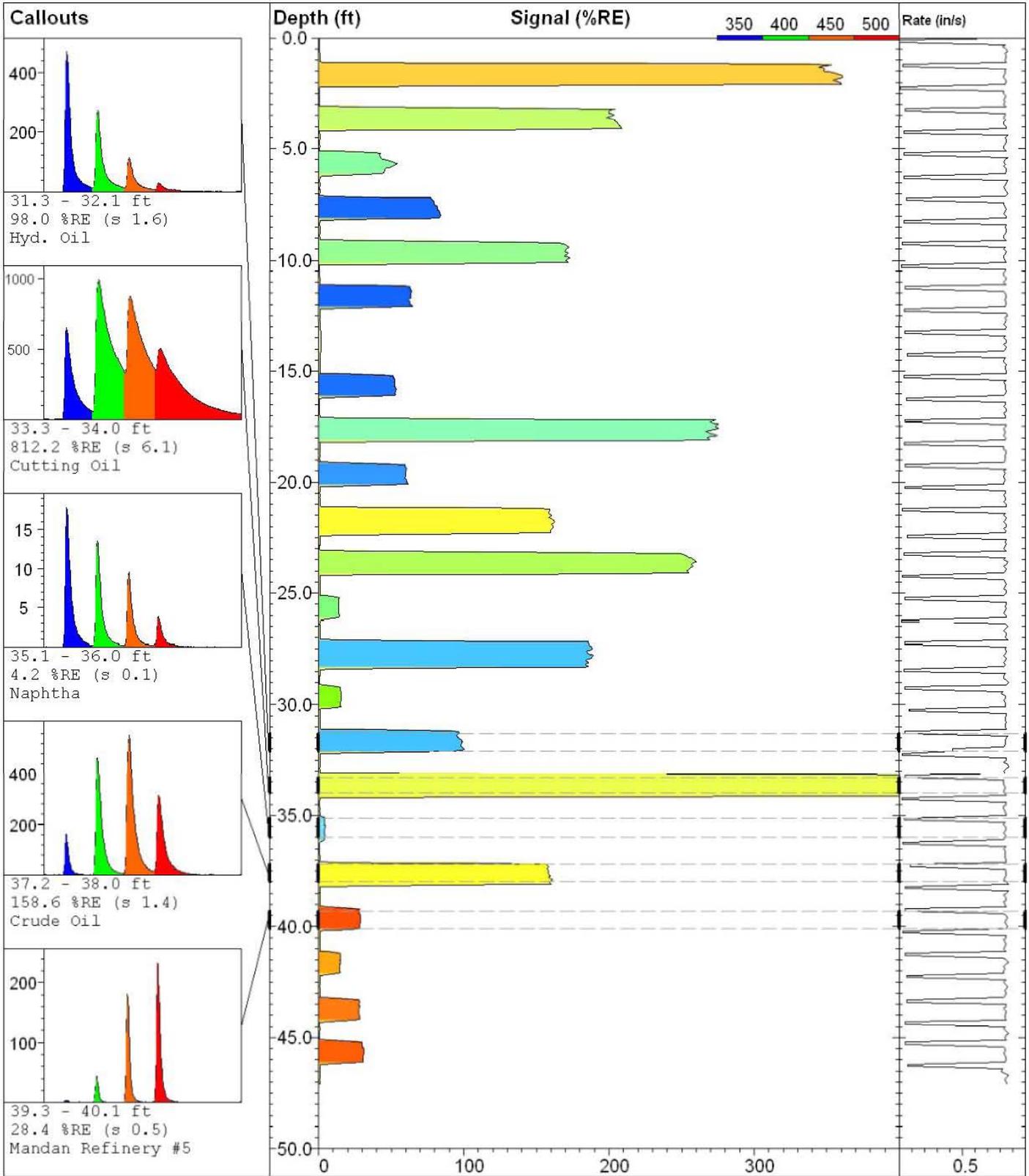
<i>Site:</i> Examples	<i>Latitude / Datum:</i> Unavailable / NA
<i>Client:</i> DTI	<i>Longitude / Fix:</i> Unavailable / NA
<i>Job:</i>	<i>Operator/Unit:</i> T.Rudolph/UVOST1002

UVOST By Dakota
 www.DakotaTechnologies.com

<i>Final depth:</i> 47.10 ft
<i>Max signal:</i> 826.6 % @ 33.20 ft
<i>Date & Time:</i> 2007-08-24 14:25 CDT



Various products on sand		UVOST By Dakota www.DakotaTechnologies.com
Site: Examples	Latitude / Datum: Unavailable / NA	Final depth: 47.10 ft
Client: DTI	Longitude / Fix: Unavailable / NA	Max signal: 826.6 % @ 33.20 ft
Job:	Operator/Unit: T.Rudolph/UVOST1002	Date & Time: 2007-08-24 14:25 CDT



Various products on sand

Site:
Examples

Client:
DTI

Job:

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
T.Rudolph/UVOST1002

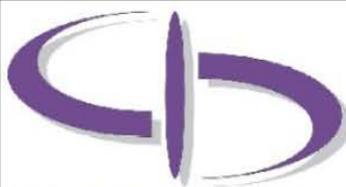
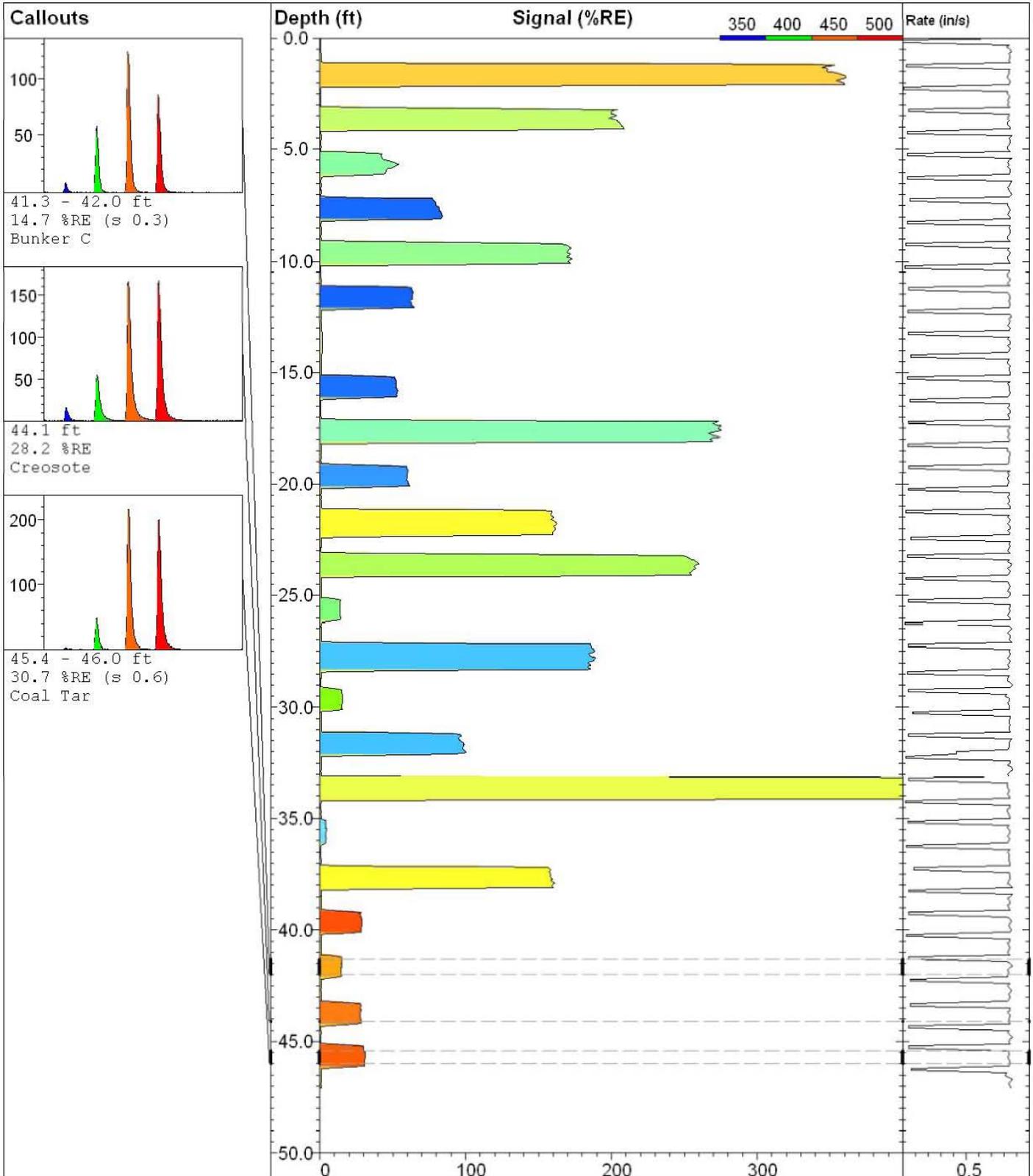
UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
47.10 ft

Max signal:
826.6 % @ 33.20 ft

Date & Time:
2007-08-24 14:25 CDT



Dakota Technologies, Inc.
 Fargo, ND (701)237-4908
 www.DakotaTechnologies.com

Various products on sand

Site:
Examples

Client:
DTI

Job:

Latitude / Datum:
Unavailable / NA

Longitude / Fix:
Unavailable / NA

Operator/Unit:
T.Rudolph/UVOST1002

UVOST By Dakota

www.DakotaTechnologies.com

Final depth:
47.10 ft

Max signal:
826.6 % @ 33.20 ft

Date & Time:
2007-08-24 14:25 CDT

APPENDIX B

NOVEMBER 2010 AND JANUARY 2011 FIELD NOTES



PROJECT NO: 10-0360-Fl-w-3	SITE NAME: Saulfin Field Site 2	PROJECT MANAGER AND PHONE NUMBER: Frank Lesesne 850-385-9966	LABORATORY NAME AND CONTACT: Katahdin Kelly Perkins 207-874-2400
SAMPLERS (SIGNATURE) 		FIELD OPERATIONS LEADER AND PHONE NUMBER: Amber Iago 850-322-9033	ADDRESS: 600 Technology way
		CARRIER/WAYBILL NUMBER: 8694 5094 5519 4 coolers	CITY, STATE: Scarborough, ME 04074

STANDARD TAT <input checked="" type="checkbox"/>	CONTAINER TYPE PLASTIC (P) or GLASS (G)
RUSH TAT <input type="checkbox"/>	PRESERVATIVE USED
<input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day	

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS					COMMENTS	
						VOL	PAHs, SVoAs, LLsvoA	Pest/PCB	Fl-Pro	Arsenic, Cadmium, Chromium, Lead Only		HCL
1/24/11	1705	SF-2-mw01-90-1/2011	GW	G	10	3	2	2	2	1		
1/25/11	0850	SF-2-mw04-65-1/2011	GW	G	10	3	2	2	2	1		
1/25/11	0000	FD01251101	GW	G	10	3	2	2	2	1		
1/26/11	0904	RB01261101	OC	G	10	3	2	2	2	1		
1/26/11	1035	SF-2-mw03-65-1/2011	GW	G	19	6	4	4	4	1		
		TB 01261101	GW	G		3						

1. RELINQUISHED BY 	DATE 1/26/11	TIME 1136	1. RECEIVED BY	DATE	TIME
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS



PROJECT NO: 112 G 02760		SITE NAME: Saulfley Field Site 2		PROJECT MANAGER AND PHONE NUMBER Frank Lesesne 850-385-9866				LABORATORY NAME AND CONTACT: Katahdin Kelly Perkins						
SAMPLERS (SIGNATURE) 		FIELD OPERATIONS LEADER AND PHONE NUMBER Amber Igoo 850-322-8033				ADDRESS 600 Technology Way								
		CARRIER/WAYBILL NUMBER				CITY, STATE Scarborough, ME 04073								
STANDARD TAT <input checked="" type="checkbox"/> RUSH TAT <input type="checkbox"/> <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day				CONTAINER TYPE PLASTIC (P) or GLASS (G)		PRESERVATIVE USED								
				TYPE OF ANALYSIS										
				VOA										
				Metals, SVOA, LL SVOA, PAHs, PCBs, Sim										
				Pesticides, PCBs, FL-PRO										
				VOA										
				SVOA										
				POT/PCB										
				FLO-PRO										
				metals										
						COMMENTS								
DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	VOA	Metals, SVOA, LL SVOA, PAHs, PCBs, Sim	Pesticides, PCBs, FL-PRO	VOA	SVOA	POT/PCB	FLO-PRO	metals	COMMENTS
11/16	1550	SF-2-SBF1-10-12'-11/2010	Soil	G	7	S	1	1						VOAs frozen cooled to 24°C
11/17	0900	SF-2-SBF1-50-55'-11/2010	Soil	G	7	S	1	1						" "
11/17	0911	SF-2-SBF1-55-58'-11/2010	Soil	G	7	S	1	1						
11/17	0936	SF-2-SBF1-61-63'-11/2010	Soil	G	7	S	1	1						
11/17	1040	SF-2-SBA1-27-33'-11/2010	Soil	G	7	S	1	1						
11/17	1100	SF-2-SBA1-0-2'-11/2010	Soil	G	7	S	1	1						
11/17	0000	FG11171001	QC	G	7	S	1	1						
11/17	1130	SF-2-SBA1-2-4'-11/2010	Soil	G	7	S	1	1						
11/17	1143	SF-2-SBA1-46-47'-11/2010	Soil	G	7	S	1	1						
11/17	1207	RB11171001	H ₂ O ^{QC}	G	10				3	2	2	2	1	
11/17	1207	TB11171001	H ₂ O ^{QC}	G	3				3					
11/17		Tr p Bleach for soil	Soil QC	G	3									
1. RELINQUISHED BY			DATE	TIME	1. RECEIVED BY			DATE	TIME					
			11/17/10	1320				11/17/10	1320					
2. RELINQUISHED BY			DATE	TIME	2. RECEIVED BY			DATE	TIME					
			11/17/10	1415										
3. RELINQUISHED BY			DATE	TIME	3. RECEIVED BY			DATE	TIME					
COMMENTS														

sample_id	parameter	cas	fraction	val_res	result	val_qual	detect	ourresult	units
SF-2-SAA1-0-2-112010	BAP EQUIVALENT	CALC013	PAH	16.2	16.2		Y	16.2	UG/KG
SF-2-SAA1-0-2-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	14.0	14.0	J	Y	14 J	UG/KG
SF-2-SAA1-0-2-112010	BENZO(A)PYRENE	50-32-8	PAH	11.0	11.0	J	Y	11 J	UG/KG
SF-2-SAA1-0-2-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	18.0	18.0	J	Y	18 J	UG/KG
SF-2-SAA1-0-2-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	5.3	5.3	J	Y	5.3 J	UG/KG
SF-2-SAA1-0-2-112010	CHRYSENE	218-01-9	PAH	8.0	8.0	J	Y	8 J	UG/KG
SF-2-SAA1-0-2-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	2.3	2.3	U	N	2.3 U	UG/KG
SF-2-SAA1-0-2-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	7.8	7.8	J	Y	7.8 J	UG/KG
SF-2-SAA1-0-2-112010-D	BAP EQUIVALENT	CALC013	PAH	13.1	13.1		Y	13.1	UG/KG
SF-2-SAA1-0-2-112010-D	BENZO(A)ANTHRACENE	56-55-3	PAH	12.0	12.0	J	Y	12 J	UG/KG
SF-2-SAA1-0-2-112010-D	BENZO(A)PYRENE	50-32-8	PAH	8.9	8.9	J	Y	8.9 J	UG/KG
SF-2-SAA1-0-2-112010-D	BENZO(B)FLUORANTHENE	205-99-2	PAH	15.0	15.0	J	Y	15 J	UG/KG
SF-2-SAA1-0-2-112010-D	BENZO(K)FLUORANTHENE	207-08-9	PAH	4.1	4.1	J	Y	4.1 J	UG/KG
SF-2-SAA1-0-2-112010-D	CHRYSENE	218-01-9	PAH	7.0	7.0	J	Y	7 J	UG/KG
SF-2-SAA1-0-2-112010-D	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	1.9	1.9	U	N	1.9 U	UG/KG
SF-2-SAA1-0-2-112010-D	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	4.9	4.9	J	Y	4.9 J	UG/KG
SF-2-SBA1-2-4-112010	BAP EQUIVALENT	CALC013	PAH	7.2	7.2		Y	7.2	UG/KG
SF-2-SBA1-2-4-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	8.3	8.3	J	Y	8.3 J	UG/KG
SF-2-SBA1-2-4-112010	BENZO(A)PYRENE	50-32-8	PAH	4.4	4.4	J	Y	4.4 J	UG/KG
SF-2-SBA1-2-4-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	8.7	8.7	J	Y	8.7 J	UG/KG
SF-2-SBA1-2-4-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.0	3.0	U	N	3 U	UG/KG
SF-2-SBA1-2-4-112010	CHRYSENE	218-01-9	PAH	4.6	4.6	J	Y	4.6 J	UG/KG
SF-2-SBA1-2-4-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	1.8	1.8	U	N	1.8 U	UG/KG
SF-2-SBA1-2-4-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.3	2.3	J	Y	2.3 J	UG/KG
SF-2-SBA1-27-33-112010	BAP EQUIVALENT	CALC013	PAH	3.7	3.7		Y	3.7	UG/KG
SF-2-SBA1-27-33-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	5.8	5.8	J	Y	5.8 J	UG/KG
SF-2-SBA1-27-33-112010	BENZO(A)PYRENE	50-32-8	PAH	3.7	3.7	U	N	3.7 U	UG/KG
SF-2-SBA1-27-33-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	2.7	2.7	U	N	2.7 U	UG/KG
SF-2-SBA1-27-33-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.4	3.4	U	N	3.4 U	UG/KG
SF-2-SBA1-27-33-112010	CHRYSENE	218-01-9	PAH	1.9	1.9	U	N	1.9 U	UG/KG
SF-2-SBA1-27-33-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBA1-27-33-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.1	2.1	U	N	2.1 U	UG/KG
SF-2-SBA1-46-47-112010	BAP EQUIVALENT	CALC013	PAH	3.7	3.7	U	N	3.7 U	UG/KG
SF-2-SBA1-46-47-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	2.1	2.1	U	N	2.1 U	UG/KG
SF-2-SBA1-46-47-112010	BENZO(A)PYRENE	50-32-8	PAH	3.7	3.7	U	N	3.7 U	UG/KG
SF-2-SBA1-46-47-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	2.7	2.7	U	N	2.7 U	UG/KG
SF-2-SBA1-46-47-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.4	3.4	U	N	3.4 U	UG/KG
SF-2-SBA1-46-47-112010	CHRYSENE	218-01-9	PAH	1.9	1.9	U	N	1.9 U	UG/KG
SF-2-SBA1-46-47-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBA1-46-47-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.1	2.1	U	N	2.1 U	UG/KG
SF-2-SBF1-10-12-112010	BAP EQUIVALENT	CALC013	PAH	3.5	3.5	U	N	3.5 U	UG/KG
SF-2-SBF1-10-12-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBF1-10-12-112010	BENZO(A)PYRENE	50-32-8	PAH	3.5	3.5	U	N	3.5 U	UG/KG
SF-2-SBF1-10-12-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	2.6	2.6	U	N	2.6 U	UG/KG
SF-2-SBF1-10-12-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.3	3.3	U	N	3.3 U	UG/KG
SF-2-SBF1-10-12-112010	CHRYSENE	218-01-9	PAH	1.8	1.8	U	N	1.8 U	UG/KG
SF-2-SBF1-10-12-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	1.9	1.9	U	N	1.9 U	UG/KG
SF-2-SBF1-10-12-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBF1-50-55-112010	BAP EQUIVALENT	CALC013	PAH	3.9	3.9		Y	3.9	UG/KG
SF-2-SBF1-50-55-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	6.7	6.7	J	Y	6.7 J	UG/KG
SF-2-SBF1-50-55-112010	BENZO(A)PYRENE	50-32-8	PAH	3.8	3.8	U	N	3.8 U	UG/KG
SF-2-SBF1-50-55-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	2.8	2.8	U	N	2.8 U	UG/KG
SF-2-SBF1-50-55-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.6	3.6	U	N	3.6 U	UG/KG
SF-2-SBF1-50-55-112010	CHRYSENE	218-01-9	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBF1-50-55-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	2.1	2.1	U	N	2.1 U	UG/KG
SF-2-SBF1-50-55-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.2	2.2	U	N	2.2 U	UG/KG

sample_id	parameter	cas	fraction	val_res	result	val_qual	detect	ourresult	units
SF-2-SBF1-55-58-112010	BAP EQUIVALENT	CALC013	PAH	4.0	4.0		Y	4.0	UG/KG
SF-2-SBF1-55-58-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	6.2	6.2	J	Y	6.2 J	UG/KG
SF-2-SBF1-55-58-112010	BENZO(A)PYRENE	50-32-8	PAH	4.0	4.0	U	N	4 U	UG/KG
SF-2-SBF1-55-58-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	2.9	2.9	U	N	2.9 U	UG/KG
SF-2-SBF1-55-58-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.7	3.7	U	N	3.7 U	UG/KG
SF-2-SBF1-55-58-112010	CHRYSENE	218-01-9	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBF1-55-58-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	2.2	2.2	U	N	2.2 U	UG/KG
SF-2-SBF1-55-58-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.3	2.3	U	N	2.3 U	UG/KG
SF-2-SBF1-61-63-112010	BAP EQUIVALENT	CALC013	PAH	3.8	3.8		Y	3.8	UG/KG
SF-2-SBF1-61-63-112010	BENZO(A)ANTHRACENE	56-55-3	PAH	5.8	5.8	J	Y	5.8 J	UG/KG
SF-2-SBF1-61-63-112010	BENZO(A)PYRENE	50-32-8	PAH	3.8	3.8	U	N	3.8 U	UG/KG
SF-2-SBF1-61-63-112010	BENZO(B)FLUORANTHENE	205-99-2	PAH	2.8	2.8	U	N	2.8 U	UG/KG
SF-2-SBF1-61-63-112010	BENZO(K)FLUORANTHENE	207-08-9	PAH	3.6	3.6	U	N	3.6 U	UG/KG
SF-2-SBF1-61-63-112010	CHRYSENE	218-01-9	PAH	2.0	2.0	U	N	2 U	UG/KG
SF-2-SBF1-61-63-112010	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH	2.1	2.1	U	N	2.1 U	UG/KG
SF-2-SBF1-61-63-112010	INDENO(1,2,3-CD)PYRENE	193-39-5	PAH	2.2	2.2	U	N	2.2 U	UG/KG

Tetra Tech NUS, Inc.

PROJECT: Sawley Field Site 2
 LOCATION: Asacala, FL
 PROJECT MANAGER: Frank Leschke

JOB #: 112602760
 DATE: 1/6/10
 FOL: Amber Faye

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/Information entered into site logbook	✓		
All onsite personnel listed in logbook	✓		
Required medical information onsite for all workers (TtNUS and Subcontractors)	✓		
Required MSDS's onsite	✓		
Proper equipment calibrations performed (list equipment)			
1 <u>PID/FID</u>	✓		
2			
3			
4			
Calibration logs filled out	✓		
Tailgate H&S meeting held prior to beginning field activities	✓		
Required work permits filled out/signed	✓		
Required utility clearances obtained	✓		
Required PPE onsite and in use	✓		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)			
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	✓		
Field forms complete and accounted for/properly filed	✓		
Samples properly packaged/shipped			✓
COCs faxed to appropriate in-house personnel			✓
All equipment accounted for, on charge if needed, and properly secured	✓		
All personnel accounted for	✓		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	✓		
Site properly secured	✓		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.



Tetra Tech NUS, Inc.

DAILY ACTIVITIES RECORD

PROJECT NAME: Saultey Field Site 2 PROJECT NUMBER: 1126-02760
 CLIENT: Navy LOCATION: Pensacola, FL
 DATE: 1/4/10 ARRIVAL TIME: 0700
 Tt NUS PERSONNEL: Jared Shelburne, JD Spalding, Amber T. Goe DEPARTURE TIME: 1613
 CONTRACTOR: Groundwater Protection DRILLER: Jeff Ziegler

ITEM	QUANTITY ESTIMATE	QUANTITY TODAY	PREVIOUS TOTAL QUANTITY	CUMULATIVE QUANTITY TO DATE
Plugs (Wooden)	4	15 (1)		
0.010 mill slot 10'		11 (2)		
0.010 mill slot 5'		11 (2)		
2" PVC Riser 10'		11 (1)		
2" PVC Riser 5'		11 (1)		
Well Cap		11 (2)		
Vaults				
30/45 Sand		9 (30)		
30/65 Sand		1 (2)		
Bentonite		1 (2)		
Grout		1 (14)		

COMMENTS: _____

APPROVED BY: 
 TT NUS REPRESENTATIVE

DRILLER: 
 DATE: 1/4/11

DAILY PROJECT SUMMARY

GROUNDWATER



PROTECTION

A Division of DRILLPRO, LLC
Environmental & Geotechnical Drilling

DAILY PROJECT SUMMARY

CLIENT NAME: Tetra - Tech

DRILLER: Jeff Zeigler

RIG: D-120 B
1-4-11

PROJECT NAME: Sawley Field

WORK ORDER #: 111007

DATE: 1-6-11

WELL/BORING #	SF 2-in	SF 2-in	SF 2-in				
DIRECT PUSH	01	03	04				
Soil Sampling							
# of Samples							
Total Depth	/	/	/				
H ₂ O Samples SP15/Profiling							
# of Samples	/	/	/				
Total Depth	/	/	/				
DRILLING							
STP Footage / Sonic Sampling							
0-50' Below Land Surface	/	50-58	/				
50'-100' Below Land Surface	/		/				
100'+ Below Land Surface	/		/				
Total Spoons / Samples	/	6	/				
WELL / BOREHOLE ABANDONMENT							
Diameter							
Depth							
Pad Removal							
WELL INFORMATION:							
Size	2"	2"	2"				
Depth	30'	65'	65'				
Screen Length	15'	15'	15'				
SURFACE CASING / DUAL							
Size							
Depth							
Type:							
CAPS:							
LEP	✓	✓	✓				
Slip Cap							
COVER:							
Flush Cover							
Above Grade Protector							
Bumper Post							
Bolt Down Cover	✓	✓	✓				
WELL DEVELOPMENT TIME:							
Pumping	1 HR	1 HR	1 HR				
STEAM CLEANING # HOURS:	1 HR	1 HR	1 HR				
CLEAN-UP # HOURS:	1/2 HR	1/2 HR	1/2 HR				

To the best of my knowledge, the quantities indicated are correct, and I know of no injuries, loss of, or damage to equipment or near miss incidents that occurred during this project.

[Signature]
Signature of Client Field Representative

Amber Igou THus
Printed Name of Client Field Representative

1/6/11
Date Signed

DAILY PROJECT SUMMARY

GROUNDWATER



PROTECTION

A Division of DRILLPRO, LLC
Environmental & Geotechnical Drilling

DAILY PROJECT SUMMARY

CLIENT NAME: Tetra - Tech DRILLER: Jeff Toyle RIG: D-120B
PROJECT NAME: Sawley Field WORK ORDER #: 11007 DATE: 1-4-11
1-6-11

OVERNIGHT: Yes No
CREW MEMBERS: Jeff
Jared
Thomas

HOURS WORKED:
Time On Site: 7.00
Lunch: _____
Time Off Site: _____

MATERIALS USED / PURCHASED:
Sand 30 Riser _____
Fine Sand 3 Screen _____
Bentonite 4 Pre-Packed _____
Portland 26 Manholes _____
Concrete 6 Sample Tubing _____
Locks _____ Exp. Points _____
Cones _____ LEP _____
Other _____ Other _____

EQUIPMENT RENTAL:
Rental Company: _____
Equipment Rental: _____
Rental Company: _____
Equipment Rental: _____
Reason: _____
of Days: _____
Cost: _____
Other: _____

DRUMS:
Drums Supplied 97
Time Spent Relocating Drums On Site 1/2 hr

MISCELLANEOUS:
Pavement Cutting (hrs.): _____
Concrete Coring: _____
Decontamination Structure: _____

STANDBY TIME:
Hour / Date / Time N/A
Reason _____

DESCRIPTION OF SIGNIFICANT PROBLEMS / ADDITIONAL COMMENTS:
N/A

To the best of my knowledge, the quantities indicated are correct, and I know of no injuries, loss of, or damage to equipment or near miss incidents that occurred during this project.

[Signature] TEXAS
Signature of Client Field Representative

Amber Igou TEXAS
Printed Name of Client Field Representative

1/6/10
Date Signed



Tetra Tech NUS, Inc.

DAILY ACTIVITIES RECORD

PROJECT NAME: Sault Key Field Site 2 PROJECT NUMBER: 112602700
 CLIENT: Navy LOCATION: Pensacola FL
 DATE: 1/6/11 ARRIVAL TIME: 0705
 Tt NUS PERSONNEL: Jared Shelburne, JD Spalding, Amber Fingar DEPARTURE TIME: _____
 CONTRACTOR: Groundwater Protection DRILLER: Jeff Ziegler

ITEM	QUANTITY ESTIMATE	QUANTITY TODAY	PREVIOUS TOTAL QUANTITY	CUMULATIVE QUANTITY TO DATE
Plugs (wooden)			4 2	
0.010 mill Slot 10'			2 3	
0.010 mill slot 5'			2 3	
2" PVC Rise 10'			4 16	
2" PVC Rise 5'			1	
well caps			2 3	
Vault			3	
30145 sand			30 4030	
30165 sand			2 3	
Bentonite			2 4	
Grout			14 26	
Cement Concrete			6	
Drums			7	

COMMENTS: _____

APPROVED BY: 
 Tt NUS REPRESENTATIVE

DRILLER: 
 DATE: 1-6-11



Tetra Tech NUS, Inc.

DAILY ACTIVITIES RECORD

PROJECT NAME: Sawley Field Site 2 PROJECT NUMBER: 112602760
 CLIENT: Navy LOCATION: Pensacola FL
 DATE: 1/5/10 ARRIVAL TIME: 0700
 Tt NUS PERSONNEL: Jared Shelburne, JD Spalding DEPARTURE TIME: 1632
 CONTRACTOR: Groundwater Protection DRILLER: Jeff Ziegler

ITEM	QUANTITY ESTIMATE	QUANTITY TODAY	PREVIOUS TOTAL QUANTITY	CUMULATIVE QUANTITY TO DATE
Plugs (wooden)		1	1	2
0.010 mill slot 10'		1	2	3
0.010 mill slot 5'		1	2	3
2" PVC Riser 10'		5	11	16
2" PVC Riser 5'		0	1	1
well caps		1	2	3
Vault				
30/45 sand		10	30	40
30/65 sand		1	2	3
Bentonite		2	2	4
Grout / Cement		10	14	24

COMMENTS: _____

APPROVED BY: _____
 Tt NUS REPRESENTATIVE

DRILLER: [Signature]
 DATE: 1-5-11

Tetra Tech NUS, Inc.

PROJECT: 126 Sawley Field Site 2 **JOB #:** 112002760
LOCATION: Pensacola **DATE:** 11/10/10
PROJECT MANAGER: Frank Lesane **FOL:** Amber Fosse

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	<input checked="" type="checkbox"/>		
All onsite personnel listed in logbook	<input checked="" type="checkbox"/>		
Required medical information onsite for all workers (TINUS and Subcontractors)	<input checked="" type="checkbox"/>		
Required MSDS's onsite			<input checked="" type="checkbox"/>
Proper equipment calibrations performed (list equipment)			<input checked="" type="checkbox"/>
1 _____			
2 _____			
3 _____			
4 _____			<input checked="" type="checkbox"/>
Calibration logs filled out			<input checked="" type="checkbox"/>
Tailgate H&S meeting held prior to beginning field activities			<input checked="" type="checkbox"/>
Required work permits filled out/signed	<input checked="" type="checkbox"/>		
Required utility clearances obtained	<input checked="" type="checkbox"/>		
Required PPE onsite and in use			<input checked="" type="checkbox"/>
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	<input checked="" type="checkbox"/>		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	<input checked="" type="checkbox"/>		
Field forms complete and accounted for/property filed	<input checked="" type="checkbox"/>		
Samples properly packaged/shipped			<input checked="" type="checkbox"/>
COCs faxed to appropriate in-house personnel			<input checked="" type="checkbox"/>
All equipment accounted for, on charge if needed, and properly secured			<input checked="" type="checkbox"/>
All personnel accounted for	<input checked="" type="checkbox"/>		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	<input checked="" type="checkbox"/>		
Site properly secured	<input checked="" type="checkbox"/>		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: Sauflay Field Site 2
 LOCATION: Pensacola FL
 PROJECT MANAGER: Frank Levine

JOB #: 112602760 FIOP2
 DATE: 11/11/16
 FOL: Amber Fox

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	<input checked="" type="checkbox"/>		
All onsite personnel listed in logbook	<input checked="" type="checkbox"/>		
Required medical information onsite for all workers (TINUS and Subcontractors)	<input checked="" type="checkbox"/>		
Required MSDS's onsite			<input checked="" type="checkbox"/>
Proper equipment calibrations performed (list equipment)			<input checked="" type="checkbox"/>
1 _____			
2 _____			
3 _____			
4 _____			
Calibration logs filled out			<input checked="" type="checkbox"/>
Tailgate H&S meeting held prior to beginning field activities	<input checked="" type="checkbox"/>		
Required work permits filled out/signed	<input checked="" type="checkbox"/>		
Required utility clearances obtained	<input checked="" type="checkbox"/>		
Required PPE onsite and in use	<input checked="" type="checkbox"/>		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	<input checked="" type="checkbox"/>		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	<input checked="" type="checkbox"/>		
Field forms complete and accounted for/properly filed	<input checked="" type="checkbox"/>		
Samples properly packaged/shipped			<input checked="" type="checkbox"/>
COCs faxed to appropriate in-house personnel			<input checked="" type="checkbox"/>
All equipment accounted for, on charge if needed, and properly secured	<input checked="" type="checkbox"/>		
All personnel accounted for	<input checked="" type="checkbox"/>		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	<input checked="" type="checkbox"/>		
Site properly secured	<input checked="" type="checkbox"/>		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: Sawfley Field Site 2
 LOCATION: Pensacola
 PROJECT MANAGER: Frank Lagne

JOB #: 1126-02760 AF102
 DATE: 11/12/10
 FOL: Amber Igae

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/Information entered into site logbook	✓		
All onsite personnel listed in logbook	✓		
Required medical information onsite for all workers (TINUS and Subcontractors)	✓		
Required MSDS's onsite			✓
Proper equipment calibrations performed (list equipment)			✓
1 _____			
2 _____			
3 _____			
4 _____			
Calibration logs filled out			✓
Tailgate H&S meeting held prior to beginning field activities	✓		
Required work permits filled out/signed	✓		
Required utility clearances obtained	✓		
Required PPE onsite and in use	✓		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	✓		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	✓		
Field forms complete and accounted for/property filed	✓		
Samples properly packaged/shipped			✓
COCs faxed to appropriate in-house personnel			✓
All equipment accounted for, on charge if needed, and properly secured	✓		
All personnel accounted for	✓		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	✓		
Site properly secured			

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: Sauphey Field Site 2
 LOCATION: Pensacola
 PROJECT MANAGER: Frank Lesesne

JOB #: 112602760 F10P2
 DATE: 11/13/10
 FOL: Amber Faye

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	✓		
All onsite personnel listed in logbook	✓		
Required medical information onsite for all workers (TINUS and Subcontractors)	✓		
Required MSDS's onsite			✓
Proper equipment calibrations performed (list equipment)			✓
1 _____			
2 _____			
3 _____			
4 _____			
Calibration logs filled out			✓
Tailgate H&S meeting held prior to beginning field activities	✓		
Required work permits filled out/signed	✓		
Required utility clearances obtained	✓		
Required PPE onsite and in use	✓		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	✓		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	✓		
Field forms complete and accounted for/properly filed	✓		
Samples properly packaged/shipped			✓
COCs faxed to appropriate in-house personnel			✓
All equipment accounted for, on charge if needed, and properly secured	✓		
All personnel accounted for	✓		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	✓		
Site properly secured	✓		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: Squafley Field Site 2
 LOCATION: Pensacola
 PROJECT MANAGER: Frank Levanac

JOB #: 1126-02760
 DATE: 11/14/10
 FOL: Amber Tjoe

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	✓		
All onsite personnel listed in logbook	✓		
Required medical information onsite for all workers (TINUS and Subcontractors)	✓		
Required MSDS's onsite			✓
Proper equipment calibrations performed (list equipment)			✓
1 _____			
2 _____			
3 _____			
4 _____			
Calibration logs filled out			✓
Tailgate H&S meeting held prior to beginning field activities	✓		
Required work permits filled out/signed	✓		
Required utility clearances obtained	✓		
Required PPE onsite and in use	✓		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	✓		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	✓		
Field forms complete and accounted for/property filed	✓		
Samples properly packaged/shipped			✓
COCs faxed to appropriate in-house personnel			✓
All equipment accounted for, on charge if needed, and properly secured	✓		
All personnel accounted for	✓		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	✓		
Site properly secured	✓		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: San Diego Field Site 2
 LOCATION: Per SA call
 PROJECT MANAGER: Frank Leone

JOB #: 1126-02760
 DATE: 11/15/10
 FOL: Amber Fye

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All onsite personnel listed in logbook	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required medical information onsite for all workers (TINUS and Subcontractors)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required MSDS's onsite	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper equipment calibrations performed (list equipment)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Calibration logs filled out	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tailgate H&S meeting held prior to beginning field activities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required work permits filled out/signed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required utility clearances obtained	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required PPE onsite and in use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Field forms complete and accounted for/properly filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples properly packaged/shipped	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COCs faxed to appropriate in-house personnel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
All equipment accounted for, on charge if needed, and properly secured	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All personnel accounted for	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site properly secured	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: Saultey Field Site 2
 LOCATION: Pensacola
 PROJECT MANAGER: Frank Lesone

JOB #: 112602769 F1 DP2
 DATE: 11/17/10 11/16/10
 FOL: Amber Igoe

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	<input checked="" type="checkbox"/>		
All onsite personnel listed in logbook	<input checked="" type="checkbox"/>		
Required medical information onsite for all workers (TINUS and Subcontractors)	<input checked="" type="checkbox"/>		
Required MSDS's onsite			<input checked="" type="checkbox"/>
Proper equipment calibrations performed (list equipment)			
1 <u>FID</u>	<input checked="" type="checkbox"/>		
2			
3			
4			
Calibration logs filled out	<input checked="" type="checkbox"/>		
Tailgate H&S meeting held prior to beginning field activities	<input checked="" type="checkbox"/>		
Required work permits filled out/signed	<input checked="" type="checkbox"/>		
Required utility clearances obtained	<input checked="" type="checkbox"/>		
Required PPE onsite and in use	<input checked="" type="checkbox"/>		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	<input checked="" type="checkbox"/>		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	<input checked="" type="checkbox"/>		
Field forms complete and accounted for/properly filed	<input checked="" type="checkbox"/>		
Samples properly packaged/shipped			<input checked="" type="checkbox"/>
COCs faxed to appropriate in-house personnel			<input checked="" type="checkbox"/>
All equipment accounted for, on charge if needed, and properly secured	<input checked="" type="checkbox"/>		
All personnel accounted for	<input checked="" type="checkbox"/>		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	<input checked="" type="checkbox"/>		
Site properly secured	<input checked="" type="checkbox"/>		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: 1126 02760 ^{Saulty Field} Site 2
 LOCATION: Saulty Field
 PROJECT MANAGER: Frank Lesesne

JOB #: 112602760 Fl. 012
 DATE: 1/25/11
 FOL: 44 1/24/11

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	<input checked="" type="checkbox"/>		
All onsite personnel listed in logbook	<input checked="" type="checkbox"/>		
Required medical information onsite for all workers (TINUS and Subcontractors)	<input checked="" type="checkbox"/>		
Required MSDS's onsite			<input checked="" type="checkbox"/>
Proper equipment calibrations performed (list equipment)	<input checked="" type="checkbox"/>		
1 <u>VSI</u>			
2 <u>Turbidity meter</u>			
3			
4			
Calibration logs filled out	<input checked="" type="checkbox"/>		
Tailgate H&S meeting held prior to beginning field activities	<input checked="" type="checkbox"/>		
Required work permits filled out/signed	<input checked="" type="checkbox"/>		
Required utility clearances obtained			<input checked="" type="checkbox"/>
Required PPE onsite and in use	<input checked="" type="checkbox"/>		
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	<input checked="" type="checkbox"/>		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	<input checked="" type="checkbox"/>		
Field forms complete and accounted for/properly filed	<input checked="" type="checkbox"/>		
Samples properly packaged/shipped	<input checked="" type="checkbox"/>		
COCs faxed to appropriate in-house personnel			<input checked="" type="checkbox"/>
All equipment accounted for, on charge if needed, and properly secured	<input checked="" type="checkbox"/>		
All personnel accounted for	<input checked="" type="checkbox"/>		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	<input checked="" type="checkbox"/>		
Site properly secured	<input checked="" type="checkbox"/>		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

Tetra Tech NUS, Inc.

PROJECT: H24 Saulty Field Site 2
 LOCATION: Saulty Field
 PROJECT MANAGER: Frank Kusone

JOB #: 1124-02760 A. 2.1. 2.
 DATE: 1/25/11
 FOL: Anna Tjoe

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook	✓		
All onsite personnel listed in logbook	✓		
Required medical information onsite for all workers (TINUS and Subcontractors)	✓		
Required MSDS's onsite			✓
Proper equipment calibrations performed (list equipment)	✓		
1 <u>YSI</u>			
2 <u>Turkey mark</u>			
3			
4			
Calibration logs filled out	✓		
Tailgate H&S meeting held prior to beginning field activities	✓		
Required work permits filled out/signed	✓		
Required utility clearances obtained	✓		
Required PPE onsite and in use	✓		✓
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)	✓		
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out	✓		
Field forms complete and accounted for/properly filed	✓		
Samples properly packaged/shipped	✓		
COCs faxed to appropriate in-house personnel			✓
All equipment accounted for, on charge if needed, and properly secured	✓		
All personnel accounted for	✓		
Arrangements made for upcoming work (permits, clearances, equipment, etc.)	✓		
Site properly secured	✓		

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.



Tetra Tech NUS, Inc.

EQUIPMENT CALIBRATION LOG

PROJECT NAME: Sawtrey Field - Site 2 INSTRUMENT NAME/MODEL: YSI 556 MPS
 SITE NAME: Site 2 - Former Fire Fighting Area MANUFACTURER: YSI
 PROJECT No.: 112602760 SERIAL NUMBER: 09A131001

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
1-24-11	14447	TS			1.464	1.414	8368	Conductivity (1.413 ms/cm) Exp 10/2011
					7.31	7.00	2608193	PH 7 Buffer Solution Exp 7/2012
					9.57	10.00	1003214	PH 10 Buffer Solution Exp 8/2011
					239.2	240.00	2688	ORP Solution (240mV) Exp 09/2015
								EODC ✓
								Cond 1.331
								PH 7 6.88
								PH 10 9.13
1-25-11		TS						Checking to see if parameters fall within criteria
							1.480	conductivity
							6.60	PH 7
							9.82	PH 10
							252	ORP
								Equipment was not bracketed due to Rental Equipment issues (urgent)



Tetra Tech NUS, Inc.

EQUIPMENT CALIBRATION LOG

PROJECT NAME: Sawley Field - Site 2

INSTRUMENT NAME/MODEL: YSI 556 MPS

SITE NAME: Site 2 - Former Fire Fighter Training Area

MANUFACTURER: YSI

PROJECT No.: 112G02760

SERIAL NUMBER: 09A131001

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
1-26-11	14447	TS	1434	4.12 verification			5360	Conductivity solution (1.413 mol/cm) Exp 10/2011
			6.97	7.12 verification			2008193	PH 7 Buffer Solution Exp 7/2012
			10.00	" "			1003214	PH 10 Buffer Solution Exp 8/2011
			240.5				2655	ORP Solution (240mV) Exp 9/2015
			4.00				8320	PH 4 Buffer Solution Exp 10-11
								EOD Calibration ✓
						7.19	TS	PH 7
						4.82		PH 4
								Ran out of Conductivity solution. Therefore end of day reading was not taken.



Tetra Tech NUS, Inc.

EQUIPMENT CALIBRATION LOG

CTOJW3D

PROJECT NAME: Sauflay Field Site 2

INSTRUMENT NAME/MODEL: Thermo TVA-1000

SITE NAME: Site 2 Fire Fighting Training Area

MANUFACTURER: Thermo Environmental Instruments

PROJECT No.: 112602760

SERIAL NUMBER: 78135-388

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
1-4-11	TVA#1	TS	100050/ 17245		17551		40315-01	100 PPM Isobutylene
					27010		40314-17	100 PPM Methane/Balance Air
							LTE110-MD-CM	Calibration Gas Mixture
					NA			25 PPM Hydrogen Sulfide
								50 PPM Carbon Monoxide
								2.5% Methane (50% LEL)
								19% Oxygen
								Balance Nitrogen
					2587/4676			Clean Air
								After calibrating, in run mode PID reads 100PPM and FID reads 90PPM for isobutylene and methane respectively
1-5-11		TS			53358/4416			Clean Air
					97917			100PPM Isobutylene
					22016			100PPM Methane
								After calibration, FID reads 100PPM and PID reads 100PPM when attached to calibration gas

Exp 11/2013

Exp 11/2013

Exp 05/2011

when attached to calibration gas

• 100 PPM methane Air span = 27395

Note: Readings are in format PID/FID

• PID uses isobutylene and FID uses methane.

The second line of the display shows what option is currently selected. If "Manual" is chosen, after a calibration value has been accepted the instrument will prompt the user to decide whether to save the calibration value or repeat the calibration (1 = Yes or 2 = Again?). If "Auto" is chosen, the instrument will automatically store the accepted calibration value without prompting the user.

RF Calc Mode

This selection allows you to choose how response factor correction will be applied to the reading. Choosing this selection from the CAL CONFIG MENU produces the following display:

RF calc Mode: Factor 1=Factor 2=Curve

The second line of the display shows what option is currently selected. If "Factor" is chosen, the TVA-1000B will use a single constant response factor which is multiplied by the reading. If "Curve" is chosen, the TVA-1000B will use a two constant equation. For more information, refer to the section of the manual on "Response Factors."

Detector Counts

Detector counts are the raw, unscaled detector output values associated with a gas measurement performed by the FID or the PID. Before a detector reading is displayed or recorded, the detector signal is converted from analog to digital. The result is a raw number, or A/D counts.

When a detector is calibrated, the detector counts for the zero gas and each of the span gases are saved in memory. These detector counts are then used as reference points for calculating the concentration values to be displayed or stored.

When calibrating the TVA-1000B in the "Manual" accept mode, the counts from the last calibration (Zero or Span) are displayed before the calibration process is initiated. Once the calibration process is initiated, the live detector counts are then displayed. You can refer to these counts as an indication of when the reading has stabilized, or as a means of tracking the repeatability of your calibrations.

You can also use these counts as an indication of the success of a calibration. The "zero" counts are the counts expected when a zero gas is applied to the detector. The span counts are the counts expected when a span gas of known concentration is applied to the detector. Finally, the detector sensitivity can be calculated by subtracting the zero counts from the span counts and dividing by the span gas concentration. Use the following general observations as a guideline:

Detector	Zero Counts	Detector Sensitivity
FID	<5000	160-260 counts/ppm Methane
PID (10.6 eV lamp)	2000-8000	3500-6000 counts/ppm Isobutylene
PID (11.8 eV lamp)	2000-20,000	300-900 counts/ppm Isobutylene

Example: A TVA-1000B FID is calibrated with zero air and a 100 ppm Methane in air span gas. The counts observed for the zero are 2895 and the counts observed for the span are 27395. The span sensitivity is thus 245 counts/ppm [(27395-2750)/100 ppm]. Since both of these values (2895 zero counts and 245 detector sensitivity) are within the acceptable range, the calibration is a good calibration. Examples of a bad calibration include unusually high zero counts, or unusually low detector sensitivity. These problems can often be attributed to poor calibration gases, contaminated sampling accessories, a faulty detector capsule, or failure to follow the proper calibration procedure. For more information, consult the "Troubleshooting" guide in this manual or contact TEI for assistance.

Defining the Span Gas Concentration(s)

NOTES:

1. The span gas concentration is the known concentration of the gas standards used to calibrate your TVA. Methane in air is the recommended calibration standard for the FID, and Isobutylene in air is the recommended calibration standard for the PID. Other gases may be used if desired.
2. If your instrument is equipped with dual detectors, you may choose to calibrate the PID and FID separately or together.
3. If your instrument is configured for multiple span points, be sure to set the concentration for ALL span points.

1. From the CALIBRATION menu display, press 2=SpanConc. The upper display (or two displays if the unit is a dual detector version) will display the concentration value of your span gas (expressed as ppb, ppm, or %) as of the last calibration:

FID only	PID only	FID/PID
FID: 100 PPM SPAN GAS CONCENT ENTER=NEW CONC	PID: 100 PPM SPAN GAS CONCENT ENTER=NEW CONC	PID: 100 PPM FID: 100 PPM SPAN CONC 1=BOTH 2=PID 3=FID

If the TVA-1000B is configured for multiple calibration points, the span gas concentration values for Point #1 will be displayed. The Up and Down arrow keys can be used to scroll through the span gas concentration values for other points:

FID only	PID only	FID/PID
FID: 100 PPM SPAN Pt 1 (Up/Dn) ENTER=NEW CONC	PID: 100 PPM SPAN Pt 1 (Up/Dn) ENTER=NEW CONC	PID: 100 PPM FID: 100 PPM SPAN Pt 1 (Up/Dn) 1=BOTH 2=PID 3=FID



**U.S. Environmental
Rental Corporation**

Date

12/30

Thermo TVA-1000

166 Riverview Ave Waltham, MA. 781-899-1560

21 Prestige Park Circle East Hartford, CT. 860-289-8700

127 RT. 206 South Suite 12 Hamilton, NJ. 609-585-6090

1202 Tech Blvd. Suite 108 Tampa, Fl. 813.628.4200

www.usenvironmentalrental.com

RR Number	19522	Company	Tetra Tech
TECH	KC	Contact	Amber
Serial Number	78135-388	Ph#	

Calibration Information

Calibration Gas	Response Factor	Span Setting	Actual
Methane	1.0	100 ppm	100 ppm
Isobutylene	1.0	100 ppm	100 ppm

Packing List

Charger	✓	Water Trap Filter	✓
Hydrophobic Filters	✓	Carry Case	✓
Probe Gun and Tip	✓	Hydrogen Tank	✓
Carry Strap	✓	Tool Kit	✓
Manual	✓	Charcoal Filter	✓
Filling Station	✓	Tedlar Bag	✓
		Regulator	✓
		Iso/CH4 gas	✓ from MA office

Please be sure to verify receipt of all accessories. Missing accessories will be billed at list price plus shipping
 If unit has any problems customer must notify U.S. Environmental within 24 Hours of receipt of unit.
 Please call our technical support department at 888-550-8100 ** many problems can be solved in the field

Additional Comments:



U.S. Environmental Rental Corporation

166 Riverview Ave Waltham, MA. 781-899-1560
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IS M40	
IS ITX	
IS MX6	
MultiRae	✓
Qrae	

Multi-Gas Meter

Date 12/30/2010

RR Number	19522	Company	Tetra Tech
TECH	KC	Contact	Amber
Serial Number	095-527991	Phone #	

Calibration Information

Calibration Gas	Span Setting	Actual Reading
Carbon Monoxide ppm	50.0	51.0
LEL (CH4) %	50.0	49.0
H2S ppm	25.0	25.0
Oxygen %	NA	NA
Ambient Oxygen %	20.9	20.9
Isobutylene ppm	100.0	99.3

Packing List			
120V Charger	✓	Belt Clip	✓
Hydrophobic Filters	✓	Alkaline Batteries	✓
Inlet Tubing	✓	Regulator	✓
Manual	✓	Tedlar Bag	✓
Quick Ref. Guide		Carry Case	✓
Comm Cable	✓	Gas	✓ from MA office
Diffusion Calibration Adapter		Software	✓
		Tool Kit	

Please be sure to verify receipt of all accessories. Missing accessories will be billed at list price plus shipping.
 If unit has any problems customer must notify U.S. Environmental within 24 Hours of receipt of unit.
 Please call our technical support department at 813-628-4200 ** many problems can be solved in the field.

Additional Comments



U.S. Environmental Rental Corporation

166 Riverview Ave Waltham, MA. 781-899-1560
 91 Prestige Park Circle Unit 5 East Hartford, CT. 860-289-8700
 127 RT. 206 South Suite 12 Hamilton, NJ. 609-585-6090
 1202 Tech Blvd. Suite 108 Tampa, FL 813-628-4200
www.usenvironmentalrental.com

LaMotte 2020E

Date 12/30/10

RR # 19522
Tech JP
2020E S/N# ME14040

Company Tetra Tech
Contact Amber
Phone #

Calibration:
Before Reading **ONTU** 0.04 **10NTU** 9.86
After Reading **ONTU** 0.00 **10NTU** 9.98

Packing List		
2020 Meter	XXX	Kim Wipes XXX
AC Power Cord		
0 NTU Cal. Vial	XXX	
10 NTU Cal. Vial	XXX	
9V Battery	XXX	
Spare 9V Battery	XXX	
Quick Card	XXX	
Manual	XXX	
(2) Sample Vials	XXX	

Please be sure to verify receipt of all accessories. Missing accessories will be billed at list price plus shipping
 If unit has any problems customer must notify U.S. Environmental within 24 Hours of receipt of unit.
 Please call our technical support department at 813-628-4200 ** many problems can be solved in the field

Additional Comments:

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Site 2 former Fire Fighter Training Area</u>	SITE LOCATION: <u>Sawley Field NAS Pensacola, FL</u>
WELL NO: <u>SF-2-MW-01</u>	SAMPLE ID: <u>SF-2-MW01-80-1/2011</u> DATE: <u>01-24-11</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>0.375</u>	WELL SCREEN INTERVAL DEPTH: <u>65</u> feet to <u>80</u> feet	STATIC DEPTH TO WATER (feet): <u>55.51</u>	PURGE PUMP TYPE OR BAILER: <u>ESP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>(80.10 - 55.51) feet</u> X <u>0.16</u> gallons/foot = <u>4.0</u> gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>56.51</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>58.88</u>	PURGING INITIATED AT: <u>1544</u>	PURGING ENDED AT: <u>1700</u>	TOTAL VOLUME PURGED (gallons): <u>9.0</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<u>1502</u>											
<u>1702</u>	<u>4.0</u>	<u>4.0</u>	<u>0.23</u>	<u>57.58</u>	<u>5.52</u>	<u>23.33</u>	<u>0.043</u>			<u>lt. brown</u>	<u>none</u>
<u>1650</u>	<u>3.0</u>	<u>7.0</u>			<u>5.52</u>	<u>23.33</u>	<u>0.043</u>	<u>496/423</u>	<u>6.46</u>	<u>clear</u>	
<u>1655</u>	<u>1.0</u>	<u>8.0</u>			<u>5.46</u>	<u>23.31</u>	<u>0.042</u>	<u>500/426</u>	<u>6.69</u>	<u>clear</u>	
<u>1700</u>	<u>1.0</u>	<u>9.0</u>			<u>5.39</u>	<u>23.25</u>	<u>0.041</u>	<u>506/431</u>	<u>3.10</u>		

STABLE

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

0.01
41.8
45.1
50

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Thomas Shelburne FHS</u>			SAMPLER(S) SIGNATURE(S): <u>Thomas Shelburne</u>			SAMPLING INITIATED AT: <u>1705</u>		SAMPLING ENDED AT: <u>1720</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>58.88</u>			TUBING MATERIAL CODE: <u>T</u>			FIELD-FILTERED: Y <u>(N)</u>		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <u>(N)</u>			TUBING Y <u>(N(replaced))</u>			DUPLICATE: Y <u>(N)</u>			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>SF-2-MW01-80-1/2011</u>	<u>2</u>	<u>CG</u>	<u>40mL</u>	<u>HCL</u>	<u>Pre-Preserved</u>	<u>< 2</u>	<u>8260B</u>	<u>ESP</u>	<u>100</u>
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ice</u>	<u>-</u>	<u>-</u>	<u>8270D</u>		
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ice</u>	<u>-</u>	<u>-</u>	<u>Post-PCBs</u>		
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ice</u>	<u>-</u>	<u>-</u>			
	<u>1</u>	<u>PE</u>	<u>200mL</u>	<u>HNO3</u>	<u>Pre-Preserved</u>	<u>< 2</u>	<u>metals - cadmium, arsenic, chromium, lead</u>		
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>HCL</u>	<u>Pre-Preserved</u>	<u>< 2</u>	<u>FL-PRO</u>		

REMARKS: 237ml / 165 x 3.09L / 1000 ml x 60s / min x 1.5ul / 3.79L = 0.2345 ul ≈ 0.23 ul/min

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Due to problems with pump, purging was delayed. Purging was initiated once again at 1637. The first readings will be taken at 1650.

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Site 2 Former Fire Fighting Training Area</u>	SITE LOCATION: <u>Sausley Field NAS Pensacola, FL</u>
WELL NO: <u>SF-2-MW-04</u>	SAMPLE ID: <u>SF-2-MW04-65-112011</u> DATE: <u>01-25-11</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>0.375</u>	WELL SCREEN INTERVAL DEPTH: <u>50</u> feet to <u>65</u> feet	STATIC DEPTH TO WATER (feet): <u>55.81</u>	PURGE PUMP TYPE OR BAILER: <u>ESP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (<u>66.0</u> feet - <u>55.81</u> feet) X <u>0.16</u> gallons/foot = <u>1.6304</u> gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>56.81</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>58.55</u>	PURGING INITIATED AT: <u>0807</u>	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<u>0815</u>	<u>5.04</u>	<u>5.04</u>	<u>0.63</u>	58.81	<u>5.75</u>	<u>22.57</u>	<u>0.031</u>	<u>96.918.38</u>	<u>45.8</u>	<u>lt. brown</u>	<u>none</u>
<u>0820</u>	<u>3.15</u>	<u>8.19</u>	<u>0.63</u>	<u>58.09</u>	<u>5.35</u>	<u>22.70</u>	<u>0.026</u>	<u>97.218.39</u>	<u>31.0</u>	<u>very lt. brown</u>	<u>none</u>
				<u>58.21</u>							
<u>0825</u>	<u>3.15</u>	<u>11.34</u>	<u>0.63</u>	<u>58.00</u>	<u>5.24</u>	<u>22.69</u>	<u>0.025</u>	<u>96.018.09</u>	<u>24.9</u>	<u>mainly clear</u>	<u>none</u>
<u>0830</u>	<u>3.15</u>	<u>14.49</u>	<u>0.63</u>	<u>57.94</u>	<u>5.18</u>	<u>22.73</u>	<u>0.024</u>	<u>94.618.18</u>	<u>10.02</u>	<u>clear</u>	<u>none</u>
<u>0835</u>	<u>3.15</u>	<u>17.64</u>	<u>0.63</u>	<u>57.91</u>	<u>5.12</u>	<u>22.76</u>	<u>0.024</u>	<u>94.118.12</u>	<u>5.83</u>	<u>clear</u>	<u>none</u>
<u>0840</u>	<u>3.15</u>	<u>20.89</u>	<u>0.63</u>	<u>57.55</u>	<u>5.10</u>	<u>22.77</u>	<u>0.024</u>	<u>93.418.06</u>	<u>1.40</u>	<u>clear</u>	<u>none</u>
<u>0845</u>	<u>3.15</u>		<u>0.63</u>	<u>57.55</u>	<u>5.06</u>	<u>22.78</u>	<u>0.024</u>	<u>94.018.10</u>	<u>3.57</u>	<u>clear</u>	<u>none</u>
<u>STABLE</u>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Thomas Shelburne</u>			SAMPLER(S) SIGNATURE(S): <u>Thomas Shelburne</u>			SAMPLING INITIATED AT: <u>0850</u>		SAMPLING ENDED AT: <u>0908</u>		
PUMP OR TUBING DEPTH IN WELL (feet): <u>58.55</u>			TUBING MATERIAL CODE: <u>T</u>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTRATION EQUIPMENT TYPE: _____ μm			
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
<u>SF-2-MW-04-65-112011</u>	<u>3</u>	<u>CG</u>	<u>40mL</u>	<u>HCL</u>	<u>Pre-Preserved</u>	<u>7.2</u>	<u>8260B</u>		<u>ESP</u>	<u>100</u>
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ICE</u>	<u>-</u>	<u>-</u>	<u>8270D</u>			
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ICE</u>	<u>-</u>	<u>-</u>	<u>pest-PCBs</u>			
	<u>1</u>	<u>PE</u>	<u>200mL</u>	<u>HNO3</u>	<u>Pre-Preserved</u>	<u>7.2</u>	<u>metals-cadmium, chromium, lead, copper</u>			
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>HCL</u>	<u>Pre-Preserved</u>	<u>7.2</u>	<u>FL-PRO</u>			
REMARKS: $\frac{257\text{ml}}{65} \times \frac{1\text{L}}{1000\text{ml}} \times \frac{60\text{S}}{1\text{min}} \times \frac{1\text{gal}}{3.78\text{L}} = 0.62533\text{gal/min} \approx 0.63\text{gal/min}$										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

note: conductance (specific) is in ms/cm^2
 note: dissolved oxygen readings are %/mg/L
 Note: Final pH column should have $<$ few less than

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Site 2 Former Fire Fighter Training Area</u>	SITE LOCATION: <u>Saupey Field NAS Pensacola</u>
WELL NO: <u>SF-2-MW-03</u>	SAMPLE ID: <u>SF-2-MW03-65-1/2011</u> DATE: <u>01-25-11</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>0.375</u>	WELL SCREEN INTERVAL DEPTH: <u>50</u> feet to <u>65</u> feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: <u>ESP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>(64.55)</u> feet - <u>54.95</u> feet X <u>0.16</u> gallons/foot = <u>1.5312</u> gallons (1.6)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>55.95</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: <u>0953</u>	PURGING ENDED AT: <u>1030</u>	TOTAL VOLUME PURGED (gallons): <u>17.16</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1005	7.56	7.56	0.63	55.55	6.19	22.29	0.032	102.3/3.89	5.79	clear	none
1010	3.15	10.71	0.63	↓	5.65	22.46	0.032	102.118/8.85	80.3	light brown	none
1020	3.15	13.86	0.63	↓	5.61	22.36	0.031	101.7/8.53	9.37	clear	none
1025	3.15	14.01	0.63	↓	5.59	22.55	0.031	101.6/8.50	3.29	clear	none
1030	3.15	17.16	0.63		5.55	22.50	0.031	101.2/8.77	0.50	clear	none
STABLE											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Thomas Shelburne</u>	SAMPLER(S) SIGNATURE(S): <u>Thomas Shellme</u>	SAMPLING INITIATED AT: <u>1035</u>	SAMPLING ENDED AT: <u>1050</u>
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N <input type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>SF-2-MW03-65-1/2011</u>	<u>3</u>	<u>CG</u>	<u>40mL</u>	<u>HCL</u>	<u>Pre-Preserved</u>	<u>> 2</u>	<u>8260 B</u>	<u>ESP</u>	<u>100</u>
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ICE</u>	<u>-</u>	<u>-</u>	<u>8270 D</u>	<u>↓</u>	<u>↓</u>
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>ICE</u>	<u>-</u>	<u>-</u>	<u>Rest I PCBs</u>	<u>↓</u>	<u>↓</u>
	<u>1</u>	<u>PE</u>	<u>200mL</u>	<u>HNO3</u>	<u>Pre-Preserved</u>	<u>> 2</u>	<u>metals - cadmium, mercury, chromium, arsenic, lead</u>	<u>↓</u>	<u>↓</u>
	<u>2</u>	<u>AG</u>	<u>1L</u>	<u>HCL</u>	<u>Pre-Preserved</u>	<u>> 2</u>	<u>FL-PRD</u>	<u>↓</u>	<u>↓</u>

REMARKS: $\frac{231mL}{65} \times \frac{1L}{1000mL} \times \frac{60s}{1min} \times \frac{1.5gal}{3.78L} = 0.62533 \text{ gal/min (0.63 gal/min)}$

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

note: Specific Conductance readings are in mS/cm²

note: Dissolved oxygen readings is /mg/L

note: Final pH column should have < for less than

**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME: <u>Site 2 Former Fire Fighter Training Area</u>	SITE LOCATION: <u>Saultley Field NHS Pensacola, FL</u>
WELL NO: <u>SP-2-mw-03</u>	SAMPLE ID: <u>SP-2-mw03-65-1/2011</u> DATE: <u>01-25-11</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>0.375</u>	WELL SCREEN INTERVAL DEPTH: <u>50</u> feet to <u>65</u> feet	STATIC DEPTH TO WATER (feet): <u>54.95</u>	PURGE PUMP TYPE OR BAILER: <u>ESP</u>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <u>164.55</u> feet - <u>54.95</u> feet X <u>0.16</u> gallons/foot = <u>1.536</u> gallons <u>(1.6)</u>											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <u>55.95</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>56.60</u>	PURGING INITIATED AT: <u>0952</u>	PURGING ENDED AT: <u>1020</u>	TOTAL VOLUME PURGED (gallons): <u>17.65</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1000	5.04	5.04	0.63	56.14	5.32	23.10	0.035	99.7/8.54	668	brown	none
1005	3.15	8.19	0.63	56.10	5.30	23.14	0.033	100.2/8.57	81.3	lt. brown	none
1010	3.15	11.34	0.63	55.60	5.31	23.15	0.030	98.4/8.42	2.04	clear	none
1015	3.15	14.49	0.63	55.63	5.31	23.08	0.033	98.3/8.42	3.25	clear	none
1020	3.15	17.65	0.63	55.60	5.29	23.11	0.033	98.5/8.43	2.38	clear	none
STABLE											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Thomas Shelburne</u>			SAMPLER(S) SIGNATURE(S): <u>Thomas Shelburne</u>			SAMPLING INITIATED AT: <u>1025</u>		SAMPLING ENDED AT:	
PUMP OR TUBING DEPTH IN WELL (feet): <u>56.60</u>			TUBING MATERIAL CODE: <u>T</u>			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	3	CG	40mL	HCL	Pre-Preserved	72	8260B	ESP	100
	2	AG	1L	ICE	-	-	8270D		
	2	AG	1L	ICE	-	-	pest/PCBs		
	1	PE	200mL	HNO3	Pre-Preserved	72	metals-cadmium, chromium, lead, zinc		
	2	AG	1L	HCL	Pre-Preserved	72	FL-PRO		
REMARKS: $\frac{237\text{ml}}{65} \times \frac{1\text{L}}{1000\text{ml}} \times \frac{60\text{s}}{\text{min}} \times \frac{1\text{gal}}{3.78\text{L}} = 0.62533\text{gal/min}$ (0.63 gal/min)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Note: Pump broke right at time of sampling
Note: Specific conductance is in mst/cm
note: Dissolved oxygen readings are %/mg/L
note: Final pH column should have < for less than

Revision Date: February 12, 2009



Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

WELL NO.: SF-2-mw04

PROJECTS <u>Aufley Field Site 2</u>	LOCATION <u>Pensacola</u>	DRILLER <u>Jeff Ziegler</u>
PROJECT NO. <u>112602760</u>	BORING <u>SF-2-mw04</u>	DRILLING METHOD <u>Auger Rig</u>
DATE BEGUN <u>1/5/11</u>	DATE COMPLETED <u>1/6/11</u>	DEVELOPMENT METHOD <u>Submersible Pump</u>
FIELD GEOLOGIST <u>JO Spading</u>	DATUM _____	
GROUND ELEVATION _____		

ACAD: FORM_MWF.M.dwg 07/20/99 INL

FLUSH MOUNT
SURFACE CASING
WITH LOCK



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: N/A

I.D. OF PROTECTIVE CASING: N/A

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION/DEPTH TOP OF SEAL: 63' 1/4"

TYPE OF SEAL: 30/65 sand

ELEVATION/DEPTH TOP OF SAND: 63' 1/4"

ELEVATION/DEPTH TOP OF SCREEN: 65' 1/4"

TYPE OF SCREEN: 2" PVC Screen

SLOT SIZE x LENGTH: 0.10" x 15"

TYPE OF SAND PACK: 30/45

DIAMETER OF HOLE IN BEDROCK: N/A

ELEVATION / DEPTH BOTTOM OF SCREEN: 65' /

ELEVATION / DEPTH BOTTOM OF SAND: 65' /

ELEVATION/DEPTH BOTTOM OF HOLE: 65' /

BACKFILL MATERIAL BELOW SAND: N/A



Tetra Tech NUS, Inc.

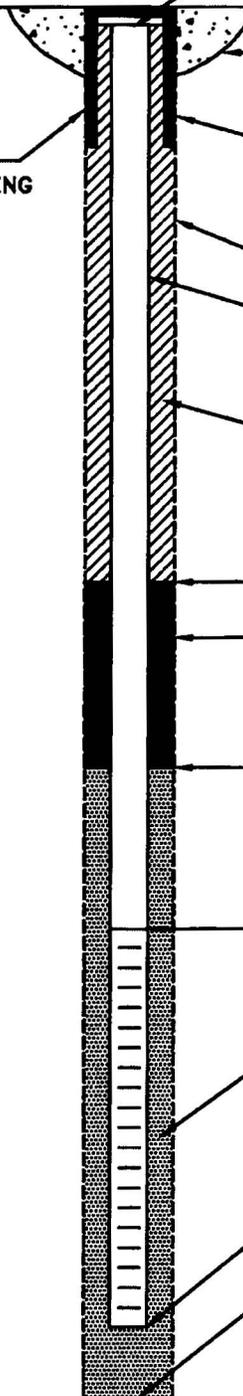
OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

WELL NO.: SF 2-1mm03

PROJECT <u>Sault Ste. Marie Field Site 2</u>	LOCATION <u>Pensacola</u>	DRILLER <u>Jeff Ziegler</u>
PROJECT NO. <u>16602740</u>	BORING <u>SF-2-03</u>	DRILLING METHOD <u>Auger</u>
DATE BEGUN <u>1/4/10</u>	DATE COMPLETED <u>1/5/11</u>	DEVELOPMENT METHOD <u>Submersible pump</u>
FIELD GEOLOGIST <u>JO Sealing</u>		
GROUND ELEVATION _____	DATUM _____	

ACAD: FORM_MWF.M.dwg 07/20/99 INL

FLUSH MOUNT
SURFACE CASING
WITH LOCK



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: _____

TYPE OF PROTECTIVE CASING: N/A

I.D. OF PROTECTIVE CASING: N/A

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION/DEPTH TOP OF SEAL: 46' /

TYPE OF SEAL: 30/65 sand

ELEVATION/DEPTH TOP OF SAND: 48' /

ELEVATION/DEPTH TOP OF SCREEN: 50' /

TYPE OF SCREEN: 2" PVC screen

SLOT SIZE x LENGTH: 0.010" x 15'

TYPE OF SAND PACK: 30/45

DIAMETER OF HOLE IN BEDROCK: N/A

ELEVATION / DEPTH BOTTOM OF SCREEN: 65' /

ELEVATION / DEPTH BOTTOM OF SAND: 65' /

ELEVATION/DEPTH BOTTOM OF HOLE: 65' /

BACKFILL MATERIAL BELOW SAND: N/A



Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

WELL NO.: SF-2-mw01

PROJECT <u>Saufley Field Site 2</u>	LOCATION <u>SF-2-mw01</u>	DRILLER <u>Jeff Ziegler</u>
PROJECT NO. <u>1720 0276</u>	BORING <u>SF-2-mw01</u>	DRILLING METHOD <u>Auger Rig</u>
DATE BEGUN <u>1/4/11</u>	DATE COMPLETED <u>1/5/11</u>	DEVELOPMENT METHOD <u>Submersible Pump</u>
FIELD GEOLOGIST <u>JD Spalding</u>	DATUM _____	
GROUND ELEVATION _____		

ACAD:FORM_MWFM.dwg 07/28/99 INL

FLUSH MOUNT
SURFACE CASING
WITH LOCK



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: N/A

I.D. OF PROTECTIVE CASING: N/A

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2"

TYPE OF BACKFILL/SEAL: Grout

ELEVATION/DEPTH TOP OF SEAL: 61 /

TYPE OF SEAL: Bentonite
30/65 sand

ELEVATION/DEPTH TOP OF SAND: 63 /

ELEVATION/DEPTH TOP OF SCREEN: 65 /

TYPE OF SCREEN: 2" PVC Screen
SLOT SIZE x LENGTH: 0.10" x 15'

TYPE OF SAND PACK: 30/45

DIAMETER OF HOLE IN BEDROCK: N/A

ELEVATION / DEPTH BOTTOM OF SCREEN: 80 /

ELEVATION / DEPTH BOTTOM OF SAND: 80 /

ELEVATION/DEPTH BOTTOM OF HOLE: 80 /

BACKFILL MATERIAL BELOW SAND: NA



Project Site Name: Sawfly Field Site 2 Sample ID No.: SF-2-SBF1-10-12-10/2010
 Project No.: 1126-02760 Sample Location: _____
 Sampled By: _____
 C.O.C. No.: _____

Surface Soil
 Subsurface Soil
 Sediment
 Other: _____
 QA Sample Type: _____

Type of Sample:
 Low Concentration
 High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
<u>11/16/10</u>	<u>10-12'</u>	<u>Red, brown</u>	<u>SAND - coarse to very fine; little to some silt and clay</u>
Time: <u>1550</u>			
Method: <u>Composite</u>			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
<u>AI</u> <u>11/16/10</u>				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
<u>VOA</u>	<u>3 0.1, 1 methanol 1 2oz jar</u>	<input checked="" type="checkbox"/>	
<u>Meth, SVOA, LLS VOA PARTS by SIM</u>	<u>1 8 oz glass jar</u>	<input checked="" type="checkbox"/>	
<u>Pesticides, PCBs, FL-PRO</u>	<u>1 8 oz glass jar</u>	<input checked="" type="checkbox"/>	

OBSERVATIONS / NOTES:

Filt Unfilt Net
 0 0 0

MAP:

Circle if Applicable:

MS/MSD Duplicate ID No.:

Signature(s): [Signature]



Project Site Name: Samples Field Site 2 Sample ID No.: SF-2-SB-F1-5855'-11/20/0
 Project No.: 12602760 EAP2 Sample Location: F1
 Sampled By: Amber Lynn Chubb
 C.O.C. No.: _____
 Surface Soil
 Subsurface Soil
 Sediment
 Other: _____
 QA Sample Type: _____
 Type of Sample:
 Low Concentration
 High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/17/16	50-55'	Tan	SAND - Coarse to very fine; little to some silt and clay
Time: 0900	2' recovery		
Method: Geoprobe			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VDA	30L, 1 Meath, 1 % Solids		
metals, SWA, LLS, VDA, PAH by Sim	8oz jar		
Pesticides, PCB, FL-Pro	8oz jar		

OBSERVATIONS / NOTES: **MAP:**

AT 5 FID Results:
 unfiltred Filtered Net
 0.0 ppm 0.0 ppm 0.0 ppm

Circle if Applicable: **Signature(s):**

MS/MSD Duplicate ID No.: _____

[Signature]



Project Site Name: Soufley Field Site 2 Sample ID No.: SF-2-SBF1-SS-58h/1/30/10
 Project No.: 126-02760 F1 DP2 Sample Location: F1
 Sampled By: Amber Igari, Chuck Siedler
 C.O.C. No.: _____
 Surface Soil
 Subsurface Soil
 Sediment
 Other: _____
 QA Sample Type: _____
 Type of Sample:
 Low Concentration
 High Concentration

GRAB SAMPLE DATA:			
Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/10	55-58'		SAND - coarse to very fine AND CLAY; some to little silt
Time:	4' recovery		
Method: <u>Geoprobe</u>			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:				
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:			
Analysis	Container Requirements	Collected	Other
VOA	30L methanol, 1% solid		
metals, SVOA, H-SVOA PAHs by SIM	8oz glass jar		
Pesticides, PCBs, CL-Pb	8oz glass jar		

OBSERVATIONS / NOTES:		MAP:
F10 Results Unfiltered 0.0 ppm Filtered 0.0 ppm Net 0.0 ppm		
Circle if Applicable:		Signature(s): <u>[Signature]</u>
MS/MSD	Duplicate ID No.:	



SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Sawfley Field Site 2 Sample ID No.: SF-2-SAAJ-02'-11/2010
 Project No.: _____ Sample Location: A1
 Sampled By: Amber Lynn Chute-Sorley
 C.O.C. No.: _____

Surface Soil
 Subsurface Soil
 Sediment
 Other: _____
 QA Sample Type: _____

Type of Sample:
 Low Concentration
 High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
<u>11/17/10</u>	<u>0-2'</u>	<u>medium brown</u>	<u>SAND, coarse to fine, little silt, trace clay</u>
Time: <u>11:00</u>			
Method: <u>grab</u>			
Monitor Reading (ppm): <u>0</u>			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
<u>VOA</u>	<u>30L, 1 methanol, 12oz jar</u>	<u>✓</u>	
<u>Metals, SVOC, UVOC, PAH, PCB</u>	<u>1 8 oz jar</u>	<u>✓</u>	
<u>Pesticides, PCB, EL-AD</u>	<u>1 8 oz jar</u>	<u>✓</u>	

OBSERVATIONS / NOTES: **MAP:**

FID
Filtered Un-Filt Net
0 0 0

Circle if Applicable: **Signature(s):**

MS/MSD Duplicate ID No.: AF F01171001



Project Site Name: Sawley Field Site 2
 Project No.: 11260-2760

Surface Soil
 Subsurface Soil
 Sediment
 Other:
 QA Sample Type:

Sample ID No.: SF-2-SRA2-2-4'-11/2010
 Sample Location: AZ
 Sampled By: Amber Faye Chubb Gordon
 C.O.C. No.:

Type of Sample:
 Low Concentration
 High Concentration

GRAB SAMPLE DATA:			
Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/17/10	2-4'	med Bwn	SAND, medium grained trace silt
Time: 1130			
Method: <u>Grapple</u>			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:				
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)

SAMPLE COLLECTION INFORMATION:			
Analysis	Container Requirements	Collected	Other
<u>VOA</u>	<u>3 05, 1 methanol, 1 2oz jar</u>	<u>—</u>	
<u>metals, SROA, USROA PAH by SIM</u>	<u>1 8oz jar</u>	<u>—</u>	
<u>Rest: water, PCBs, FL-PCB</u>	<u>1 8oz jar</u>	<u>—</u>	

OBSERVATIONS / NOTES: F10
un filtered filtered wet

MAP:

Circle if Applicable:

MS/MSD Duplicate ID No.:

Signature(s): [Signature]



Project Site Name: Soufley Field Site 2
Project No.: 112602760

Sample ID No.: SF-2-SGAS-4647 4/20/10
Sample Location: A1
Sampled By: Chuck Sorden Amber J. J. J.
C.O.C. No.: _____

- Surface Soil
- Subsurface Soil
- Sediment
- Other: _____
- QA Sample Type: _____

- Type of Sample:
- Low Concentration
 - High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
<u>11/17/10</u>	<u>46-47'</u>	<u>light brown</u>	<u>SAND, very coarse to very fine, trace silt, trace mica</u>
Time: <u>1143</u>			
Method: <u>Geoprobe</u>			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
<u>VDA</u>	<u>30L, 1 methanol, 1 2oz jar</u>	<input checked="" type="checkbox"/>	
<u>Metals, SVA, ULSVA PAH by SIM</u>	<u>1 B oz jar</u>	<input checked="" type="checkbox"/>	
<u>Asbestos, Asbestos, FL PD</u>	<u>1 B oz jar</u>	<input checked="" type="checkbox"/>	

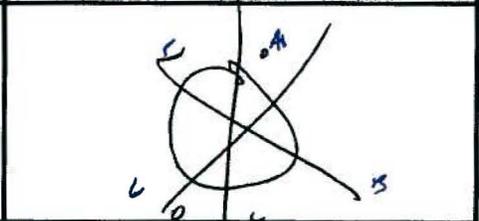
OBSERVATIONS / NOTES:

FID

unfiltered filtered Net

○ ○ ○

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
--------	-------------------

Signature: [Signature]



SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: _____	Sample ID No.: _____
Project No.: _____	Sample Location: _____
<input type="checkbox"/> Surface Soil	Sampled By: _____
<input type="checkbox"/> Subsurface Soil	C.O.C. No.: _____
<input type="checkbox"/> Sediment	Type of Sample:
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Low Concentration
<input type="checkbox"/> QA Sample Type: _____	<input type="checkbox"/> High Concentration

GRAB SAMPLE DATA:			
Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: _____			
Method: _____			
Monitor Reading (ppm): _____			

COMPOSITE SAMPLE DATA:				
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:			
Analysis	Container Requirements	Collected	Other

OBSERVATIONS / NOTES:	MAP:
Circle if Applicable:	Signature(s):
<input type="checkbox"/> MS/MSD	
<input type="checkbox"/> Duplicate ID No.:	

Tetra Tech NUS, Inc.

PROJECT: _____
 LOCATION: _____
 PROJECT MANAGER: _____

JOB #: _____
 DATE: _____
 FOL: _____

DAILY ACTIVITIES CHECKLIST			
Startup Checklist			
Activity	Yes	No	N/A
Pertinent site activities/information entered into site logbook			
All onsite personnel listed in logbook			
Required medical information onsite for all workers (TtNUS and Subcontractors)			
Required MSDS's onsite			
Proper equipment calibrations performed (list equipment)			
1 _____			
2 _____			
3 _____			
4 _____			
Calibration logs filled out			
Tailgate H&S meeting held prior to beginning field activities			
Required work permits filled out/signed			
Required utility clearances obtained			
Required PPE onsite and in use			
Information required to be posted is in place (OSHA poster, hospital route, key phone numbers, etc.)			
Exit Checklist			
Activity	Yes	No	N/A
Logbooks completely and comprehensively filled out			
Field forms complete and accounted for/properly filed			
Samples properly packaged/shipped			
COCs faxed to appropriate in-house personnel			
All equipment accounted for, on charge if needed, and properly secured			
All personnel accounted for			
Arrangements made for upcoming work (permits, clearances, equipment, etc.)			
Site properly secured			

Note - not all items listed apply to every job, and some additional requirements may apply on a job-specific basis.

4

Location Soufley Field Site 2 Date 11/10/10
 Project / Client 1126-02760 F10P2 Am

1130 EST Amber Igoe left TT Tallahassee Office to mob to site.

1400 CST Amber Igoe arrived on site to clear locates. High voltage line is not running through work area. Spoke with Morgan from Columbia Technology and he does not think 20 LIF locations can be performed in 1 day. Bruce Crandall with air ops and the radar room were notified that we would be working SW of runway 14 (formally 13) for approx 8 days. A daily phone call is not needed.

1430 Cox cable called to let me know they were running late

1510 Cox cable arrived

1530 Cox cable cleared utilities 1A site

1610 Arrived at hotel

1610-1700 Prepared paper work + HASP materials for morning meeting unable to perform tonight as drill rig had tire blow out on I-10 everyone fine no injuries waiting to change tire.

5

Location Soufley Field Site 2 Date 11/11/10
 Project / Client 1126-02760 F10P2 Am

0700 Amber Igoe TT, Chuck Sorden TT, Frank Cooper Bear Environmental and Morgan Aycock Columbia Technologies on site to before HASP Tailgate meeting and sign all appropriate forms

0720 On site @ Fire Fighter Training Ring to begin set up for work. Locations marked in a grid pattern on concrete ring

0815 Frank began punching out center ring on Fire Fighting Training Ring. Concrete ~ 3-4" thick. Going to core areas on concrete and then begin LIF sampling. Petroleum odor detected in ^{at} South hand auger locations on fire ring. All boring locations on fire fighting ^{at} training ring (FFTR) were hand cleared for utilities. Location F soil highly stained and strong odor. Waypoints collected in Garmin hand held

0930 LIF Location in center ring began. Rate of penetration should be no more than 0.7 ft/sec. ^{at} Frank Morgan performed checks on equipment and bkg checked out at less than 0.5 % RE.

6

Location Saulfley Field Site 2 Date 11/11/10Project / Client 112602760 FIDP2 Ana

0933 Native soils ~ 5-6% RE. 2 pictures

taken of Morgan's computer screen. Location name LO1 on Morgan's program.

0-5' concrete fill + spike ~ 4'

5-10' native soils ~ 0.4-0.8% RE

10-15' ""

15-20' ""

20-25' ""

25-30' ""

30-35' ""

1002 Frank Lesone + Gerry Walker (TT) arrived on site

35-40' "" native soils 0.5-0.8% RE

40-45' ""

45-50' ""

Print out indicates that AV Gas present around 4' bis

WB tested from open bore hole ~ 44'

1109 moved to F1 location which is half way between F + A pie just off concrete. LIF location will be L11

7

Location Saulfley Field Site 2 Date 11/11/10Project / Client 112602760 FIDP2 Ana

1124 Started driving rods

0-5' spike e ~ 2 1/2 ft from fill to native soils

5-10' native soils ~ 0.4-0.9% RE

10-15' "" ~ 0.2-0.4% RE

1135 Frank + Gerry LIF site

15-20' native soils ~ 0.2-0.4% RE

20-25' ""

* 25-30' ← slight increase 1.1% RE

35-40' ""

40-45' ""

45-50' ""

No indications of free product

1240 moved to location ^{A1} FZAI 20' stepout from ^{A5} F1 concrete. A sample from concrete pad. Reading LA1

1309 Rods start driving

0-5' native soils 0.3-0.6% RE

5-10' ""

10-15' ""

15-20' ""

* 20-25' Slight increase to 1.3, 2.0 (23-24"), 0.8 (24")

25-30' Slightly above native soils 0.8% RE

Location Sauflay Field Site 2 Date 11/11/10Project / Client 1126-02760 F1 DP2Location LA 1 continued

30-35' 1.3(30') 1.3-2.6

35-40' 0.5% RE native soils

40-45' 0.5-0.9% RE

45-50' 1.3(47') 0.5-1.2% RE (47')

1424 note to F2 location 20ft step out
from concrete pad West/NW of F1 location

1433 start pushing rods

0-5' ~ 0.5% RE native soils

5-10' ~ 0.2-0.5% RE native soils

10-15' " " "

15-20' " " "

20-25' " " "

25-30' " " w/ spike to 1.2% RE (27' & 28')

30-35' ~ 0.1-0.5% native soils hard push rate of penetration slowed

35-40' for very slow readings 0.3-0.5% RE

40-45' 0.5-0.9% RE hit refusal 42.80'

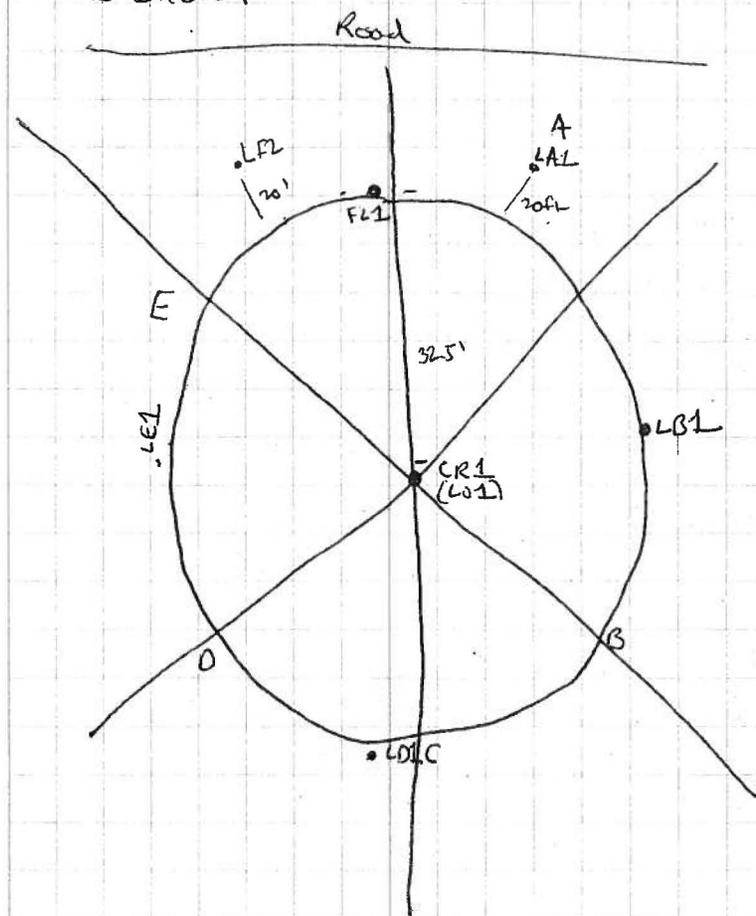
45-50' Could not collect.

Started parking up rig @ 1630, 1st site @ 1700

Returned to hotel @ 1730

Location Sauflay Field Site 2 Date 11/11/10Project / Client 1126-02760 F1 DP2

Site Sketch



Location Saulfley Field Site 2 Date 11/11/10
 Project / Client 1126 02760 F1 DP2

Daily Activities Summary:

Weather remained sunny, clear skies and breezy. LIF locations were conducted at center ring, A1 (L1A2 & LIF) F1 (L1F1 & LIF) and F2 (L1F2 & LIF).

The rates of penetration for the LIF at F2 location were impeded more than the other three locations. The center ring location gave readings of 0.3-0.6 which is indicative of native soils. The F1 location had native soil readings until the 25-30' interval with a slight increase to 1.1% RE this could be potential spot for soil sample location. The A1 location had native soil readings until the 20-25' interval when an increase to 0.8-2.0% RE was noted. The 2.0% was noted in the 23-24' interval. The 25-30' interval was slightly elevated w/ readings of 0.8% RE. The F2 location had readings of native soils till refusal @ 42.80'. Daily Activity log was completed no other field firms were utilized.

Location Saulfley Field Site 2 Date 11/12/10
 Project / Client 1126 02760 F1 DP2

- 0700 Amber Tjoe II, Chuck Sorden II, Morgan Aycock Columbia, Frank Beaman Tailgate health and safety meeting conducted. Weather sunny clear and slightly windy.
- 0716 Set up on B1 location (L1B1) for LIF print out
- 0718 WC check from open bore hole and WLS could not be definitively checked. Meter chimed @ ~44' in F1 but not anything @ F2 down to ~50' bls
- 0725 Rods began pushing @ B1 (L1B1) location
- | | |
|--------|--|
| 0-5' | 0-1 spike from concrete pad otherwise bkg readings |
| 5-10' | 0.3-0.5% RE native soil bkg readings |
| 10-15' | " " |
| 15-20' | " " |
| 20-25' | " " |
| 25-30' | native bkg to 27' spike @ 1.1% RE 27-30' 0.6-0.8 |
| 30-35' | 0.2-0.5% bkg readings |
| 35-40' | " " |
| 40-45' | 40-45' belt broke 0.2-0.5% bkg readings |
| 45-50' | |
- Chuck IA site @ 0815 to go to Home Depot
 0851 belt broke on Geoprobe Frank IA site @ 0912

12

14

Location Saulley Field Site 2 Date 11/12/10
 Project / Client 112602760 F10P2

Daily Activities Update cont

incident. Intervals where spikes in percentages where detected were marked as potential soil sample locations. The daily activity field log was completed, no other field forms were utilized.

*

15

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12

14

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Ch...

15

Location Saulley Field Site 2 Date 11/13/10
 Project / Client 112602760 F10P2

0645 Amber Ijue TT, Chuck Sorden TT, Frank Cooper Bear Environmental, Morgan Aycock Columbia. Frank began setting up to collect a quick gw level. Morgan began stringing cable for the MIP unit. A definitive WL was not detected e SQ.

0946 Calibration kit for MIP was ~~not~~^{is} missing causing Morgan ran to home depot to pick up appropriate parts. Chuck also left site.

1108 Chuck & Morgan returned to site. Frank and I are still drilling. Morgan is performing calibration on MIP equipment.

1225 Found slight perched water table e E2 location ~44-46' could not detect water in open boreholes at LF1, LF2, LB1 LA1 ^{is} located location. Spoke with Frank & stopping mobile lab until lithology could be determined. He concurred. Lft msg on Todd Romeros cell phone indicating such. VSI meter, Hach turbidity meter, and peri pump will be shipped back to Pine env.

Location Saultrey Field Site 2 Date 11/13/10
 Project / Client 1126-02760 FIOP2

1300 MIP being conducted on center
 ring + Chuck left site to Fed Ex
 get sampling equipment back to
 Pine Encl Fed Ex etc

~~MIP File 0089~~ M01

DETEX ^{cut bond} DETE F10, DETE ³ chlorinated solvents

1307 Location Center Ring Fire MIP 0089

0-5' no spikes above 0.20

5-10' " "

10-15' " "

15-20' " "

20-25' " "

25-30' " "

30-35' " "

35-40' slight bump above 0.20 @ 37' F10

40-45' no spikes ~ 0.20

45-50' slight bump F10 @ 51' - 52' 0.33 temp

50-55' dropped @ 54' maybe water

55-60' F10 slight increased @ 55' hit refusal @ 57.10'
 (1530)

Collapsed hole @ 48'

14 Began packing up and intr performing inventory
 LA site @ 1700 arrived @ hole 1730

Location Saultrey Field Site 2 Date 11/13/10
 Project / Client 1126-02760 FIOP2

Daily Site Summary

Due to equipment delays only
 one MIP location was collected at
 the center of the fire fighter training
 pit. Small peaks in the F10 were
 detected in the 36-37', 51-52' and 55'
 intervals. Hit refusal @ 57.10' + hole
 collapsed @ 48'. The daily activities
 log was recorded, no other paperwork
 was utilized.

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Location Saulfley Field Site 2 Date 11/14/10Project / Client 1126 02760 F1 OP2

P10, F10, CL

0645 Amber Igwe II, Chuck Sorden II,
Frank Cooper Bear Env, Morgan Aycock
Columbia on site. Set up on location
F1 to perform MIP on down gradient
locations. Tailgate Safety Meeting
conducted.

0746 MIP calibrated and begin on F1 location

(MFI) on print out MPO091 on Field Computer

0-5' spikes hovering around 0.20 maybe small spike F10

5-10' " " "

10-15' " " "

15-20' " " "

20-25' " " "

25-30' " " "

30-35' " " very hard push c 33' to 35'

35-40' " " pushed faster slight jump in cond

c 35' which is similar to the center
ring location conductivity jump however
the ~~water~~ temp did not drop.

40-45' spikes ~ 0.20

45-50' small F10 spike c 49' 0.33

50-55' spike 20.70 temp drop c 54' maybe H2O

55-60' small spike in F10 @ 58' conductivity
may be H2O bearing zone

Location Saulfley Field Site 2 Date 11/14/10Project / Client 1126 02760 F1 OP2Location F1 cont

60-65' spikes ~ 0.20

65-70' " " hit refusal c 67.95' Finished
@ 1200

Small amount of water on inside cable
c 65', outer rods dry moved to F2 location

1240 MIP calibrated began collecting readings
c F2 location MIP 0093

0-5' spikes c 0.20 F10/A10 solvent 0.33

5-10' " " " " " "

10-15' " " " " " 12'

15-20' " " " " " "

20-25' " " " " " "

25-30' " " " " " "

30-35' " " " " " "

35-40' " " " " " "

40-45' " " " " " "

1444 Frank leaving site to go to LA to pick up
recharge kit since Kevin will not return
calls or arrange for delivery

45-50' slight cond increase c 49' F10 - F10
started pushing hard c 49'

hit refusal c 49.95'

left site 1600 arrived hotel 1700

20

Location Saulpley Field Site 2 Date 11/14/10
 Project / Client 1126-02760 FIDP2

Daily Site Activities

Weather remained clear, sunny and breezy.
 MIP was collected at F1 + F2 locations.
 F1 had slight jumps @ 35' + 56-58' interval
 F2 FID/PID hit refusal @ 67-95'. At F2
 location chlorinated solvents could be
 present in the 5-12' intervals. The 44-
 47-49' interval had spikes in FID + PID could
 be petroleum products. Hit refusal @
 49.95'. Daily Activities log was
 completed no other field logs were
 utilized.

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21

Location Saulpley Field Site 2 Date 11/15/10
 Project / Client 1126-02760 FIDP2

n.d. FID, Chlor

0645 Amber Igoe TI, Chuck Sorden TI on site
 0700 Morgan Aycock Columbia + Frank Cooper
 Bear Environmental on site. Safety meeting
 conducted and geo probe was recharged
 0750 setup on location A1 to perform
 MIP. Weather is breezy and rain clouds
 are rolling in. File name MIP0095.MA1

0-5'	PID, FID spikes 0.20, chlorinate ~0.33
5-10'	" " "
10-15'	" " chlor. note dropped back to 0.20
15-20'	" " "
20-25'	" " "
25-30'	slight chlorinated spike 26-30', PID/FID 0.20
30-35'	slight chlorinated spike 30-32' dropped back 0.20
35-40'	spikes PID, FID. chlorinate 0.20
40-45'	" " "
45-50'	slight spike ^{A1} FID @ 46-46'
50-55'	slight spike FID @ 52'-54'
55-60'	slight FID spike @ 56'-60'
60-65'	spikes return to 0.20
65-70'	small spikes ~69' on FID
70-74'	spikes FID @ 71-73'
420	SI 6' closed @ 52'

Location Sawpley Field Site 2 Date 11/15/10Project / Client 1126 02760 F10P2

1024 moved to D1 location to perform MIP

MD1 on print out

0-5' spikes ~0.20

5-10' " " slight chlorinate spike @ 2'

10-15' " " "

15-20' " " "

20-25' slight Δ in P10 F10 but could be lithology

25-30' spikes ~0.20

30-35' " " "

35-40' F10 spiked small 38-40'

40-45' F10 fluctuating ~0.33

45-50' F10 \uparrow in 46-48'

50-55' F10 fluctuating 0.33

55-60' F10 " " increase @ 57' 0.66

60-65' spikes ~0.20 and spike 65'

65-70' pronounced clay layer ~65-68'

70-74' spikes " 0.20

B17 Set up on LE1 location, Morgan conducted performance test and Frank left site to go buy Portland File name MIP0101

0-5' P10, F10 ~0.26, chlorinates are fluctuating ~0.33

5-10' chlorinates fluctuating ~0.33, P10 F10 ~0.20

10-15' chlorinates stabilizing P10, F10 ~0.20

Location Sawpley Field Site 2 Date 11/15/10Project / Client 1126 02760 F10P2

P10, F10, CB

LE1 loc cont

15-20' spikes ~0.20

20-25' " " "

25-30' " " "

30-35' " " "

35-40' " " "

40-45' " " "

45-50' small spike F10 ~0.33 @ 48'

50-55' F10 spike @ 50'-54'

55-60' higher F10 spike ~60' - jump in cond

60-65' spikes return 0.20

65-70' " " "

70-74' small F10 spike @ 72' and depth 73.60

Frank abandoned bore holes, Morgan packed up equipment left site @ 1700. Amber and Chuck drew cross sections of cores at site 1730 arrived @ hotel 1600

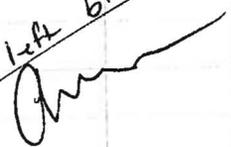
Daily Site Activities.

3 MIP locations were collected today.

The weather was cloudy and began raining in the afternoon. The first MIP location was A1. Chlorinated spikes were detected in the 0-12' and 26-32' intervals. P10 + F10 spikes

Location Saufley Field Site 2 Date 11/15/10Project / Client 1126-02760 F10P2

were detected in multiple intervals 46-48', 52-54', 56-60', 69', 71-73'. The second location was LO2 slight chlorinated spike 0-12'. PID F10 20-25 but could be lithology 45-47', 56-58' intervals. Location E1 was the last location of the day. Chlorinated compounds 20-42' PID F10 response @ 49' + 61'. Cross sections were created by Chuck - will be scanned in the morning. The daily activities log was completed no other field logs were utilized.

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Location Saufley Field Site 2 Date 11/16/10Project / Client 1126-02760 F10P2Weather cloudy + windy

0700 Amber Igde II, Chuck Sorden II, Frank Cooper Bear Environmental, Morgan Aycock Columbia. Set up on location B. Geoprobe will not engage to drive to the location. Able to manually drive to location began driving rods 0830. File name 0103
0830 Had conference call with Frank will install[#] perform additional MIP @ down gradient location 40' from pad to see if any product is detected. F3 will be 40' down gradient to the north of F1.

0-5'	spikes ~0.20	small vol fluctuations
0-10'	" "	" "
10-15'	" "	" "
15-20'	" "	vol spikes 0.20
20-25'	" "	
25-30'	" "	
30-35'	F10, PID spikes ~ 34'	0.30
35-40'	F10 fluctuations ~ 0.30	
40-45'	" "	
45-50'	" "	
50-55'	F10 spike 0.66 @ 54'	

Location Saulley Field Site 2 Date 11/16/10Project / Client 112602760 F1OP2Location B1 cont

55-60' spikes FID return to 0.20 ~56' spike @ 57'-59'

60-65' slight cond ↑ @ 60', 64'-65' FID spike 63'-64'

65-70' cond 65-70 sharp drop @ 72'

70-74' sharp drop @ 72' small FID spikes @ 71-73'

red clay on top of probe

1041 move to F3 location 40' down gradient (north)
of F1 location, file me 0106 MF3 on printout.

Rods began driving @ 1110. Chuck left site for i.e.

0-5' FID, PID ~ 0.20, spikes fluctuating in chlorinated

5-10' " " " "

10-15' Chlorinated, settle out ~0.2

15-20' spikes ~0.20

20-25' " "

25-30' slight ↑ VOC @ 25', PID FID ~0.20

30-35' " " VOCs fluctuating

35-40' slight spike FID @ 37'-40'

40-45' FID spike ~0.40

Chuck returned to site @ 1105

45-50' spikes ~0.20

50-55' " "

55-60' slight FID @ 60'

60-65' FID spike @ 64'-65'

65-70' FID spike 65-

Location Saulley Field Site 2 Date 11/16/10Project / Client 112602760 F1OP21345 Had conference w/ Frank and decided
to sample the following intervals.A1

0-2'

2-4'

27-33'

46-47'

F1

10-12' NO FID Hit SF2-SBF1-1072'-16/2010

50-55'

55-58'

61-63'

1401 ~~FID Calibration~~^{A2} Begin set up on F1 location
for soil sampling1448 FID Calibration Micro FID 115 Version 1.1m
Serial# (2w/31) Pine Env. Cal. brated by
Amber Igoe, calibration passed.1530 Frank begins pushing rods - 10-12' sample
collected @ 1550. Left site 1620 arrived hotel
1650.

Location Saulfley Field Site 2 Date 11/16/2010Project / Client 1126-02760 FIDP2Daily Site Activities.

2 MIP locations were collected @ Locations B1 + F3. B1 followed same pattern of potential VOCs @ 0-12' + a stronger FID signal @ 263'. F3 location had possible VOCs @ 0-12' range and possible petroleum at 37-40', 46-47' and fluctuations from 60-75' with no clay unit. Determined sampling locations for soils + was able to collect 10-12' sample from F1 locations. Daily activity log, FID calibration log and soil and sediment collection log were filled out. Weather remained breezy partly cloudy with no rain.

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Am

Location Saulfley Field Site 2 Date 11/17/10Project / Client 1126-02760

0645 Amber Igoe II, Chuck Sorden II, Frank Cooper Bear Environmental and Morgan Aycock Columbia technologies on site. Safety meeting conducted + set up on F1 location to perform soil sampling. Weather clear sunny ~45°

Samples to collect

~~A1 0-2' @~~

~~0-4'~~

A1

fDup

0-2' FID no hit SF-2-SAA1-0-2'-11/2010

2-4' FID no hit SF-2-SBA1-2-4'-11/2010

27-33' OS SF-2-SBA1-27-33'-11/2010

46-47' FID no hit SF-2-SBA1-46-47'-11/2010

F1

10-12' No FID SF-2-SBF1-10-12'-11/2010

collected 11/16/10

50-55' No FID hit SF-2-SBF1-50-55'-11/2010

collected 11/17/10

55-58' No FID hit SF-2-SBF1-55-58'-11/2010

" "

61-63' No FID hit SF-2-SBF1-61-63'-11/2010

" "

0720 FID Calibrated same instrument ID as 11/16/10

pg 27

Location ¹² ~~1126~~ Saultrey Field Site 2 Date 11/17/10
 Project / Client 1126 02760 FIDPZ

- 0732 Began driving rods @ F1 location
 50-55'
- 0823 core collected ~ 2' recovery
- 0824 pushed rods to 59' to collect 55-58'
 with top being part of the previous
 interval
- 0858 core for 55-58' collected 4' recovery
- 0900 collected soil sample for 50-55' interval
- 0911 collected soil sample for 55-58' interval
- 0936 collected sample for 61-63' interval
- 1000 set up on Location A1 to collect
 0-2' ft sample
- 1015 collected sample for SF-2-SAA1-0-2'-11/20/10
 Dup SF-2 - Dup 01 - 11/20/10 will need
 to be collected over again Frank sliced
 core tubes @ 2-4 sample would have
 come out of that core
- 1040 collected sample for SF-2-SBA1-27-33'-11/20/10
- 1057 recollecting 0-2 + 2-4' core
- 1100 sample 0-2' collected
 Dup FD11171001 time 0000
- 1130 collect sample 2-4' location A2
 SF-2-SBA1-2-4'-11/10/10

Location Saultrey Field Site 2 Date 11/17/10
 Project / Client 1126 02760 FIDPZ

- 1143 collect soil sample from A1 location
 46-47' interval
- 1207 Rinstate blank collected
- 1233 Begin packing up site. Buckles abandoned,
 GPS not working area staked
- Katandis Fed Ex 8684 5094 5530
 3 coolers
- Pine Environmental 8684 5094 5541
 W/L indicator
 FID
- 1342 Chuck left site to drop off samples
 + equipment @ Fed Ex + head home
- 1430 Morgan left site
- 1645 Frank + Amber leave site, site secured
- 1945 Arrive in Tallahassee, unload
 equipment in warehouse EDD

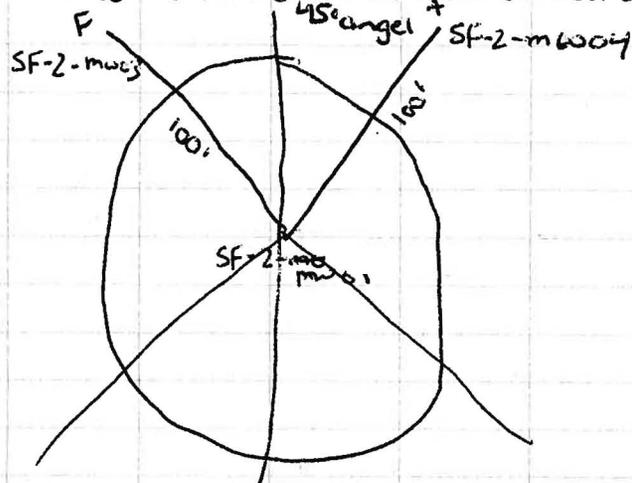
Location Saufley Field Site 2 Date 1/3/11
 Project / Client 1126 02760 CTO Jimo Am a

weather: Sunny, clear -60

1315 JO Spalding Tt + Amber Igoc Tt onsite.

1347 Jared Shelburne Tt on site. Established monitor well locations. Monitor wells will be installed in sector A and sector F 100ft off center @ 45° angle. The site remains an inactive fire fighting area. Since we are near an active runway Air Ops for both Pensacola (Bruce Crandal 452-9441) + Whiting ^{Chief} Werner 850-452-4671, (C) 850-444-6473

were notified. A dig permit was obtained from Bob Nichol (NATS Pensacola)



Location Saufley Field Site 2 Date 1/3/11
 Project / Client 1126 02760 CTO Jimo Am a

Fl. W12

Objective: Install 3 monitoring wells (1 in center of fire fighting training, and 2 down gradient). Drill Pro will be the crew on site, the drillers are Thomas Watson, Jeff Zeigler and Jared Link.

Forms: Safe work permits for Mobil/Debris, low management, Decon activities, Soil boring and multimedia sampling. Drill rig inspection sheet, monitor well boring and installation logs. Equipment cal logs for PID/FID + turbidity meter if instruments utilized.

Equipment:

General Field sampling equipment i.e. buckets, Liquinox, spoons, mason jars, glass bowls, GPS, camera, measuring tape DI water.
 Lamonte Turbidity Meter
 Foxborough PID/FID meter
 MultiRae Air Quality meter

FOL/SSO: Amber Igoc

Location Saultley Field Site 2 Date 1/4/11Project / Client 1126 02760 C70 Jim 30Fl. W12

1600 Left site secure to check in at
NAS Pensacola 800

Weather: Clear, 40° high 60° sunny

0630 JO Spalding TE, Amber Igoo TE
Jared Shelburne TE on site to
meet drillers

0705 met w/ Jared Link, Jeff Ziegler
and Tom Watson w/ Drill Pro
AKA Ground water Protection.

Safety meeting conducted w/ drill
crew and TE personnel present.

Topics discussed: reville times, base
protocol, rules regarding federal
prison, flight line and site history
background.

0716 Drill crew began setting up on
center ring SF-2-mw01. Jared
began ~~set~~ calibrating PID/FID, +
multirae

0800 Installation of SF-2-mw01
began.

Location Saultley Field Site 2 Date 1/4/11Project / Client 1126 02760 Jim 30 Fl. W12

Lithology: SF-2-mw01

- Mes fine- fine dry sands light brown
to light rusty brown in the land
surface to 65'

- 65' sands started to become moist
- Screen 65-80'

0900 Drillers began using sanding up
SF-02-mw01. 30/45 sand is being
used instead of 20/30 based on JO's
experience at installing monitoring
wells at Saultley Field. No petroleum
odor detected in the cuttings.
Weather becoming overcast.

2 ft of sand above and 2 feet seal

0931 Purging began on SF-2-mw01

1002 Drillers began constructing decon
pit

1054 Drillers pulled auger flights on
SF-2-mw01 and broke for lunch
w/ 55'

1110 Spoke w/ Frank Lesesne TE (Pm) regarding
depths of wells. The next well will
be drilled to 65' + let sit to see
where the water table is, if the

Location Saultley Field Site 2 Date 1/4/10Project / Client 1126-02760 Jm 30. Fl. Wis 2

water level remains at 55' we will
set the well to from 50-65'

1224 Drillers return to site. Going to use
open hole and split spoon to determine
where break through of water occurs.

1230 Drillers began decon of augers

1310 Jared Link and Ziegler went to
get water

1349 Jared + Jeff return from getting
water

1350 Set up on SF-2-mw03 to perform
split spoon test to begin c 60' At 50'.
H₂O table c 55'. Well will be set
to from 50-65'

1500 Began to install SF-2-mw03. Jared
screened soil samples collected from
54-56' to 56-58'.

54-56' uf: unfiltered
f: filtered

(uf) P10	(uf) F10	(f) P10	(f) F10
5.0	1.7	0.32	0.21

(uf) P10	(uf) F10	(f) P10	(f) F10
1.10	1.0 1.0	6.25	0.95

Location Saultley Field Site 2 Date 1/4/10Project / Client 1126-02760 Jm 30 Fl. Wis 2

H₂O present in well c ~ 55'. Well
Grouted, sanded up well. No plug
on well

1608 Began decon, Jeff Ziegler signed
quantities. daily list

1643 Secured site and left base

1723 Arrived c hotel 900

Page In total usually
lets blank
1/4/10

Location Saultley Field Site 2 Date 1/5/10Project / Client 112602760 Jim 30 FIW12

0630 Left Hotel

0702 T6 + Ground water personnel on site

Weather: cloudy chance of rain

0708 Health and safety meeting all personnel present. Topics covered weather hazards i.e. lightning

0715 Jared T6 began calibrating instruments FI01P10, multi Rae + turbidity meter while Thomas Watson began development on SF-2-mw03

0740 Began set up on SF-2-mw04

0814 Lightning + heavy rain stopped work. 50 gallons pumped out of SF-2-mw03 Turbidity

0934 Continued to rain. All 3 drillers left site to get gas for the development pump and rain gear for Thomas

1000 Drillers returned to site + left for lunch still heavily raining

1005 Set up development pump on SF-2-mw01

Location Saultley Field Site 2 Date 1/5/10Project / Client 112602760 Jim 30 FIW12

1033 Purged 65 gallons turbidity @ 1 NTU

1121 Rain has ceased drillers on lunch break

1200 Drillers return to site to start back drilling on SF-2-mw04

1321 Finished grout ring up SF-2-mw04

1324 Added additional grout to SF-2-mw03

1345 Rain cell passing through area

1432 Rain ended. Began purging SF-2-mw04

1453 Light rain - medium rain drillers finished for the day and left site.

1507 Continue purging / developing SF-2-mw04

1623 Completed purging SF-2-mw04 18.7 NTU. left site

1645 Arrived at hotel. EOO

Intentionally left blank
1/5/10

Location Sautley Field Site 2 Date 1/6/10Project / Client 112602760 Jim 30 Fl. W. 2

- 0635 Checked out of hotel
 0705 Arrived on site. Weather foggy
 ~ 58°
 0709 Jared calibrated PID/FID
 0720 Drills on site
 0740 Began cutting out center ring
 on training area ring for
 ~ SF-2-mw01
 0740 JD, AJ, JS collected FID Readings
 on development drums
 Well SF-2-mw04 17 ppm, sheen
 Well SF-2-mw03 12 ppm, sheen
 Well SF-2-mw01 2 ppm, sheen
 Not a lot of head space
 Empty Drum 2.2 ppm in back of
 truck w/in 1ft of generator on
 driller's truck.
 0844 5 drums of JD W generated + 1
 from John School field for a total of 6.
 Full drums + 1 drum ~~for a total of~~
 7. partially filled w/ visquin from
 decon pit delivered to west side
 of hangar 807 along curb.

Location Sautley Field Site 2 Date 1/6/10Project / Client 112602760 Jim 30 Fl. W. 2

- 0844 Thomas Watson began building pads
 0939 Drillers signed work order forms and
 left site. JD + Jared collected TOS
 and water levels.

	TO	WL
SF-2-mw01	79.74	55.35
SF-2-mw03	64.91	54.84
SF-2-mw04	64.83	55.92

- 1000 JD Spalding, Amber Jgoe and
 Jared Shelburne secured site and
 left the base
 1425 Returned to Tallahassee, equipment
 was unloaded and returned
 to the warehouse. EOO

left Blank

1/6/10



Location Sawflay Field Site 2 Date 1/24/11

Project / Client 1126 02760 Jim 3D Fl. Col 2

FOLISSO Amber Tigue

Weather: Overcast, windy 250'

12:22 CST Jared Shelburne TE and Amber Tigue TE left Tallahassee office

1450 CST arrived on site w/ ice for samples and got water for decan of pump. Site Health and safety meeting held. Began set up on SF-2-mw01.

Sample will be SF-2-mw01-80-1/2011

TD 80.10'

WL 50.51'

1544
~~1544~~ Pump On

Field Sheets

Calibration Log Sheets TE/US

- YSI + turbidity meter

556 mps
series
La Monte 2020E

09413 1001 PR 26850

FDEP Groundwater Sampling Log

Daily Activities Sheet TT

Safe Work Permits TT

Pump tripped battery code on-line

1637 started pumping again

1705 Began collecting samples

1730 Began packing up site

1600 left site

1630 @ hotel 

Location Sawflay Field Site 2 Date 1/24/11

Project / Client 1126 02760 Jim 3D Fl. Col 2

Weather Overcast, windy 50'

0630 checked out of hotel JS, AJ

~~0700~~
~~0645~~ stopped at store for ice

0725 on site began calibrating instrument and set up on SF-2-mw04

Sample ID will be SF-2-mw04-

⁶⁵
66-1/2011

TD 66'

WL 55.81'

See pg 42 for list of Field forms

0807 Began purging SF-2-mw04-⁶⁵66-1/2011
Duplicate will be collected
FD 01251101

0850 Began Sampling Well

0908 Finished sampling well. Decaned pump and began move to SF-2-mw03

0935 Began set up on SF-2-mw03
Sample will be SF-2-mw03-65-1/2011
msmsd will be collected

TD 64.55'

WL 54.95'

0953 SF-2-mw03 began purging

Location Saulfley Field Site 2 Date 1/26/11
 Project / Client 1126-02760 Jim 30 Fl. 1012

1625 All parameters stable ready to
 collect sample, then pump went
 out. Called Pic Env performed
 trouble shooting techniques will
 need to have new pumped Fed at 'd.

Map Room

Right binocular

Standard Search execute

Search in subtitle green checkmark

- All cards in database

970, 971, 972, 973, 974

5307842

3rd computer NAFAC Scan Drawings

double click turn to right

No maps

- Spoke w/ Melvin Killcrest ⁸⁷⁰-444-1032

12 footers welded together to make 24'

2' behind wall 16' in st

2' bolt

Clarence Prater 777-1496

NAFAC #

5100

8' got ordered ^{welded} ~~coated~~ to make 16'

Location Saulfley Field Site 2 Date 1/26/11
 Project / Client 1126-02760 Jim 30 Fl. 1012

- Received a scanned copy of the figure and
 as well as 8 1/2 x 11 and poster sized hard
 copy. No NAFAC ID is on the map
 so it is not available in the map room
 1630
 1600 1st NAFAC Pensacola
 1700 Arrived @ La Quinta, Jared Shelburne
 staying @ last room @ the BOQ
 EOD One in 1/25/11

Page left blank

Chen 1/25/11

Location Saultley Field Site 2 Date 1/26/11Project / Client 112602760 Jm30 Flw12

Weather Sunny, windy 48°

~~0715 JS~~

0650 Amber Igoe left hotel

0715 Amber Igoe Jared Shelburne on site. Health and Safety meeting conducted

JS opened well caps and calibrated

YSI + turbidity meter.

mw FD WL

SF-2-mw-03 54.98

SF-2-mw-04 55.87

SF-2-mw-01 55.59

0804 Collected equipment blank

0830 JS left to pick up pump c Fed Ex Facility.

0933 JS returned to site began setting up on SF-2-mw03-65-1/2011

0945 Began purging SF-2-mw03-65-1/2011

1035 Began sampling
MS/MSD collected

1044 Finished sampling

1045 AI checked samples against CAC + all were accounted for double bagged iced and wrapped in the cooler

JS packed up site

Location Saultley Field Site 2 Date 1/26/11Project / Client 112602760 Jm30 Flw12

Way bill #15

Samples 4 coolers 8684 5094 5519

Equipment 1 cooler 8684 5094 5520

3 boxes

1230 searched site @ Jow Owens

1250 Arrived c Fed Ex Facility

1330 left Fed Ex

1730 (EST) Arrived c Tallahassee office

Unloaded equipment - AI returned rental car. EOD Am

Left blank KZ

Location Saultley Field Site 1+2 Date 3/9/11Project / Client 112602760 Jim 30 FLW12

Site 2 msw Survey + Site 1 grid setup

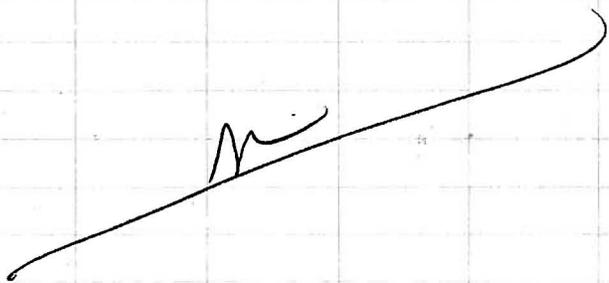
0912 (EST) Amber Igoe Tetra Tech IKT
TallahasseeWeather cloudy windy progressing to
severe thunder storms

1157 (CT) AI arrived in Pensacola.

Severe thunder storms in the area,
tornado warnings and sirens are in
effect. Field work has been suspended
for safety.1411 AI met w/ Jamie Metzger of Campbell
Engineering to locate vertical and
horizontal controls for the base.A27 + A14 were also marked as
hard point corners on the grid
to be tied in.

1640 AI, Jim left base

1706 AI arrived @ hotel EOD

Location Saultley Field Site 1+2 Date 3/10/11Project / Client 112602760 Jim 30 FLW12

Site 2 msw Survey + Site 1 grid setup

0630 AI 1A hotel

0645 AI on site

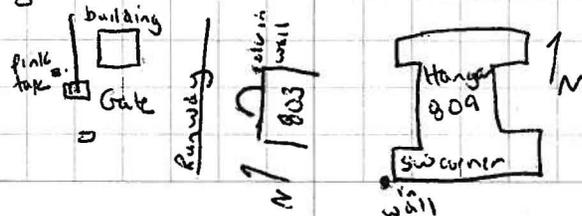
Weather: clear, sunny high ~60°

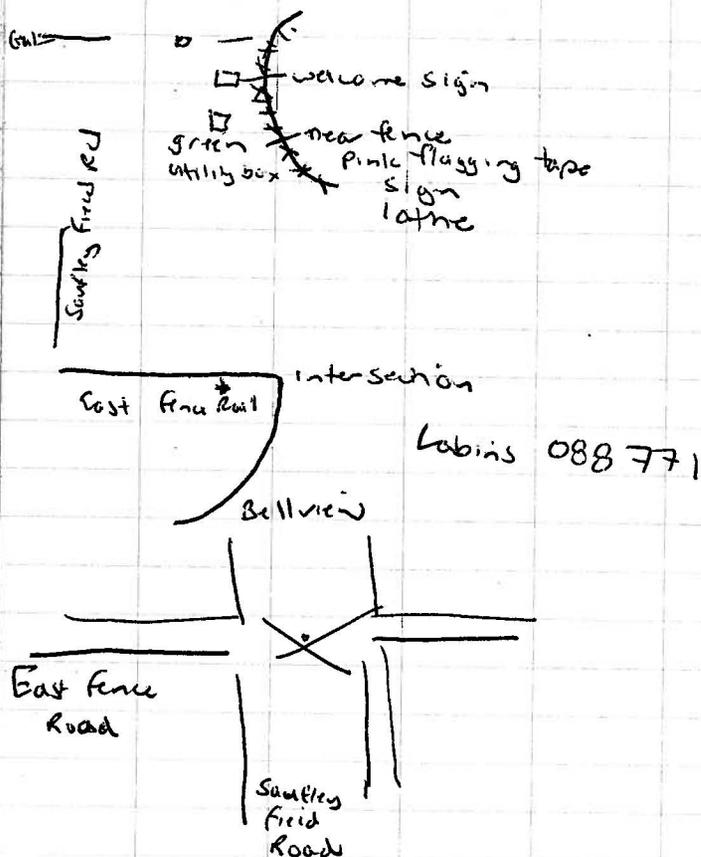
Personnel: AI, Jamie Metzger Campbell Eng +
Anita Metzger Campbell EngineeringField equipment: pin flags, measuring tapes,
steel pins, spray paint and surveying
equipment provided by Campbell EngineeringObj: Survey in the 3 msw @ Site 2 and
establish 50x50 foot grid for Site 10700 AM, Jim arrived on site. Health &
Safety topics covered. federal prison.slips, trips, falls etc Scope of work
for Site 1 and Site 2 covered.0738 Began establishing controls -
All equipment calibrated

Vertical Control Locations

Security Gate Fence line x103 ^{hard to read}
_{north east side}
Bld 803 entrance Elev 7542 @103

Hangar 809 @ SW corner Y103



Location Saulty Field Site 2+1 Date 3/10/11Project / Client 112602760 Jim 30 FI W12Site 2 mw Survey + Site 1 gridHorizontal Locations0944 Began GPSing location controls

1049 Began setting up control for grid on site 1

Iron rebar + cap set into center of steel range post.

Location Saulty Field Site 1+2 Date 3/10/11Project / Client 112602760 Jim 30 FI W12

A-27 Trau point #9 Iron rebar cap set
 1116 Began GPSing monitoring wells @ Site 1
 3 points natural ground, rim + PVC pipe. Set up on mound first. Sf-2- mwd04 3 readings
 Sf-2- mwd3

1200 AI left site to go to OAS Pensacola to pick up Bronson PA report and do records search in the map room.

1350 AI returned to the site. Jim + Am had begun setting up grid for Site 1

1755 IA site 400 grid setup to

7 line drilled
 1830 1# photo

600 Amber Trace

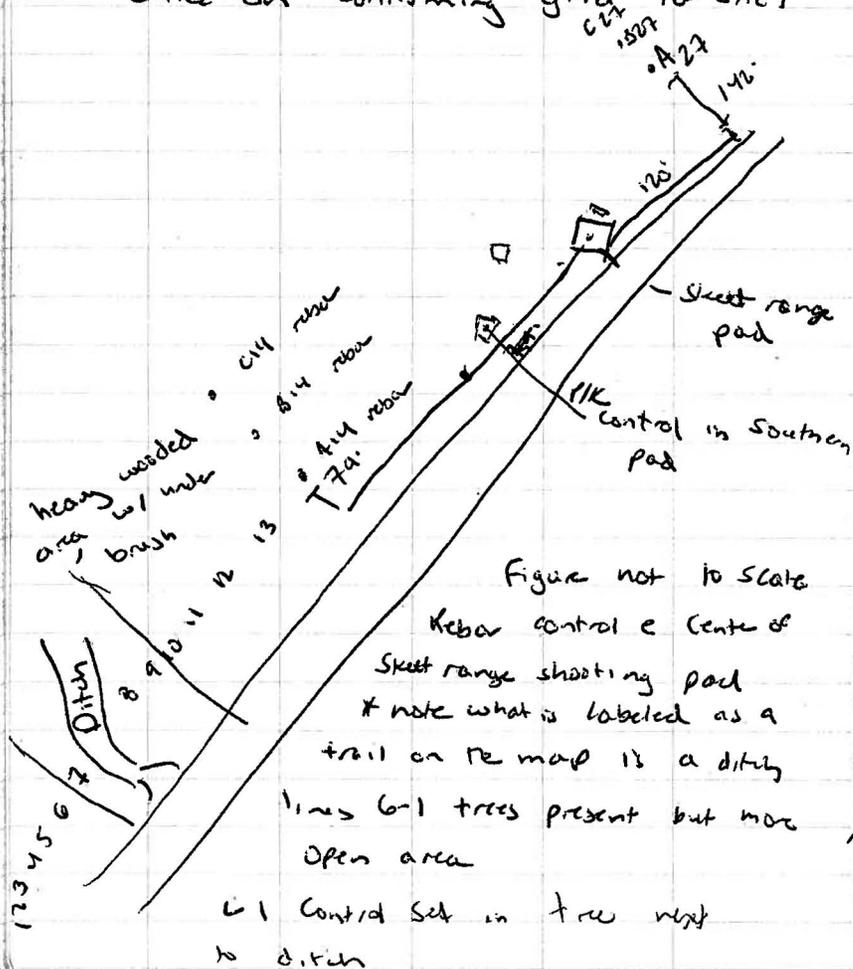
Location Saulty Field Site 1+2 Date 3/11/11Project / Client 112602760 Jim 30 Flw12

Site 2 msw Survey + Site 1 grid

Weather: sunny, 58° high

0700 AI checked out + left hotel

0720 AI arrived on site. JM + Am

coordinating w/ Campbell in geineering
office on confirming grid for site 1Location Saulty Field Site 1+2 Date 3/11/11Project / Client 112602760 Jim 30 Flw12

Site 2 msw Survey + Site 1 grid

0900 JM, Am arrived on site. Health +
Safety meeting conducted. Began
finishing up G-1 line.1007 Finished up G-1 line starting on
gathering X, Y + Z e every pin flag
location1500 Finished grid secured site and
left

1917 (EST) arrived e Tail abussel EOD

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APPENDIX C
NOVEMBER 2010 AND JANUARY 2011
VALIDATED LABORATORY ANALYTICAL RESULTS
(provided on compact disc)

TO: G. Walker
FROM: A. Cognetti
SDG: SF-1
DATE: February 23, 2011

PAGE 2

VOC

The VOC initial calibration percent relative standard deviation (%RSD) was greater than the 15% quality control limit for bromomethane on January 20, 2011 on instrument GCMS-D affecting all samples. The nondetected bromomethane results in the affected samples were qualified as estimated (UJ).

The VOC continuing calibration percent differences (%Ds) for dichlorodifluoromethane and methylcyclohexane were greater than the 20% quality control limit on January 27, 2011 @ 9:47 affecting all samples. The nondetected dichlorodifluoromethane and methylcyclohexane results were qualified as estimated (UJ) in the affected samples.

The matrix spike/matrix spike duplicate (MS/MSD) percent recovery (%R) of 2-hexanone was less than the lower quality control limit in sample SF-2-MW03-65-1/2011. The nondetected 2-hexanone result was qualified as estimated (UJ) in sample SF-2-MW03-65-1/2011.

SVOC - FULL SCAN

The SVOC initial calibration %RSD for atrazine was greater than the 15% quality control limit on instrument GCMS-U on January 7, 2011 affecting all samples. The nondetected atrazine results were qualified as estimated (UJ).

The SVOC continuing calibration %D for benzaldehyde was greater than the 20% quality control limit on January 28, 2011 @ 12:23 and January 31, 2011 @ 10:17 affecting all samples within this SDG. The positive and nondetected benzaldehyde results were qualified as estimated (J) and (UJ), respectively.

PAH - SIM

The initial calibration %RSD for 2-methylnaphthalene was greater than the 15% quality control limit on February 3, 2011 on instrument GCMS-G affecting samples FD01251101, RB01261101 and SF-2-MW03-65-1/2011. The nondetected 2-methylnaphthalene results in the affected samples were qualified as estimated (UJ).

ADDITIONAL COMMENTS

The rinsate blank in the VOC fraction contained the following contaminants:

Contaminant	Maximum Concentration (ug/L)
Acetone	23
2-butanone	2.6

No action was taken on the samples in this SDG because of VOC rinsate blank contamination.

The MS/MSD %R of dichlorodifluoromethane was greater than the upper quality control limit in sample SF-2-MW03-65-1/2011. No action was taken on the nondetected dichlorodifluoromethane result in sample SF-2-MW03-65-1/2011.

The rinsate blank in the SVOC fraction contained benzaldehyde.

Contaminant	Maximum Concentration (ug/L)
Benzaldehyde	3.4

No action was taken on the samples in this SDG because of SVOC rinsate blank contamination.

TO: G. Walker
FROM: A. Cognetti
SDG: SF-1
DATE: February 23, 2011

PAGE 3

The relative percent difference (RPD) for benzaldehyde in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) was greater than the quality control limit. No action was taken because the %R of benzaldehyde was within quality control limits in the LCS and LCSD.

The MS %Rs of phenanthrene, fluoranthene and pyrene were less than the lower quality control limit in sample SF-2-MW03-65-1/2011. No action was taken on the nondetected phenanthrene, fluoranthene and pyrene results in sample SF-2-MW03-65-1/2011 because the %Rs in the MSD and the RPDs were within quality control limits.

The RPDs for indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene were greater than the quality control limit in the MS/MSD of sample SF-2-MW03-65-1/2011. No action was taken on the nondetected indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene results in sample SF-2-MW03-65-1/2011 because the %Rs of the MS/MSD of the aforementioned analytes were within quality control limits.

The LCS/LCSD %R of 1-methylnaphthalene was greater than the upper quality control limit in batch WG87585. No action was taken on the nondetected 1-methylnaphthalene results.

The RPD for phenanthrene in the LCS/LCSD associated with batch WG87585 was greater than the quality control limit. No action was taken on the nondetected phenanthrene results because the LCS/LCSD %Rs were within quality control limits.

The LCS %R and RPD were greater than the upper quality control limit in batch WG87585 for anthracene. No action was taken on the nondetected anthracene results.

The LCSD %Rs of chrysene, benzo(k)fluoranthene and benzo(a)pyrene were greater than the upper quality control limit in batch WG87585. No action was taken on the nondetected chrysene, benzo(k)fluoranthene and benzo(a)pyrene results. The %R of the aforementioned analytes in the LCS and the RPD of these analytes were within quality control limits.

The %D for heptachlor, 4,4'-DDD and methoxychlor were greater than the 20% quality control limit on column 1 on February 7, 2011 @ 15:03. No action was taken on the nondetected heptachlor, 4,4'-DDD and methoxychlor results in the affected samples.

The %D for toxaphene was greater than the 20% quality control limit on column 1 on February 7, 2011 @ 15:20. No action was taken on the nondetected toxaphene results.

The LCS/LCSD %R of 4,4'-DDT was greater than the upper quality control limit in batch WG87586. No action was taken on the nondetected 4,4'-DDT results.

The LCSD %R of heptachlor, endosulfan II, endosulfan sulfate and methoxychlor were greater than the upper quality control limit in batch WG87586. No action was taken on the nondetected heptachlor, endosulfan II, endosulfan sulfate and methoxychlor results.

The MS/MSD %Rs of endosulfan II, 4,4'-DDT and methoxychlor were greater than the upper quality control limit in sample SF-2-MW03-65-1/2011. No action was taken on the nondetected endosulfan II, 4,4'-DDT and methoxychlor results.

The MSD %Rs of heptachlor, endosulfan I and endosulfan sulfate were greater than the upper quality control limit in sample SF-2-MW03-65-1/2011. No action was taken on the nondetected heptachlor, endosulfan I and endosulfan sulfate results in sample SF-2-MW03-65-1/2011.

TO: G. Walker
FROM: A. Cognetti
SDG: SF-1
DATE: February 23, 2011

PAGE 4

The MSD %R of Aroclor 1260 was greater than the upper quality control limit in sample SF-2-MW03-65-1/2011. No action was taken on the nondetected Aroclor 1260 result in sample SF-2-MW03-65-1/2011.

The rinsate blank contained PET.

Contaminant	Maximum Concentration (ug/L)
Petroleum range organics	320

No action was taken on the samples in this SDG because of PET rinsate blank contamination.

The PET method blank associated with batch WG87612 contained PET.

Contaminant	Maximum Concentration (ug/L)
Petroleum range organics	330

No action was taken on the samples nondetected PET results in the environmental samples. The rinsate blank is not qualified due to laboratory blank contamination.

Positive results reported below the limit of quantitation (LOQ) but above the method detection limit (MDL) were qualified as estimated, (J).

The nondetected results were reported to the method detection limit (MDL).

EXECUTIVE SUMMARY

Laboratory Performance Issues: Initial calibration %RSD for bromomethane, atrazine and 2-methylnaphthalene exceeded quality control limits resulting in the qualification of nondetected results. Continuing calibration %Ds for dichlorodifluoromethane, methylcyclohexane and benzaldehyde exceeded quality control limits resulting in the qualification of data.

Other factors affecting data quality: The MS/MSD %R of 2-hexanone was less than the lower quality control limit in sample SF-2-MW03-65-1/2011. Rinsate blank contained acetone, 2-butanone, benzaldehyde and PET. Positive results reported below the LOQ but above the MDL were qualified as estimated

TO: G. Walker
FROM: A. Cognetti
SDG: SF-1
DATE: February 23, 2011

PAGE 5

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (June 2008) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.


Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator


TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = GFAA PDS - GFAA MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (e.g. base-line drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< CRQL$ for organics)
- Q = Other problems (can be any number of issues; e.g. poor chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = % Difference between columns/detectors $> 25\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 02760 SDG: SF-1 FRACTION: OV MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	0.2	U		0.2	U		0.2	U		0.2	U		
1,1,2,2-TETRACHLOROETHANE	0.38	U		0.38	U		0.38	U		0.38	U		
1,1,2-TRICHLOROETHANE	0.33	U		0.33	U		0.33	U		0.33	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	0.31	U		0.31	U		0.31	U		0.31	U		
1,1-DICHLOROETHANE	0.21	U		0.21	U		0.21	U		0.21	U		
1,1-DICHLOROETHENE	0.35	U		0.35	U		0.35	U		0.35	U		
1,2,3-TRICHLOROBENZENE	0.2	U		0.2	U		0.2	U		0.2	U		
1,2,4-TRICHLOROBENZENE	0.37	U		0.37	U		0.37	U		0.37	U		
1,2-DIBROMO-3-CHLOROPROPANE	0.5	U		0.5	U		0.5	U		0.5	U		
1,2-DIBROMOETHANE	0.22	U		0.22	U		0.22	U		0.22	U		
1,2-DICHLOROBENZENE	0.15	U		0.15	U		0.15	U		0.15	U		
1,2-DICHLOROETHANE	0.2	U		0.2	U		0.2	U		0.2	U		
1,2-DICHLOROPROPANE	0.25	U		0.25	U		0.25	U		0.25	U		
1,3-DICHLOROBENZENE	0.26	U		0.26	U		0.26	U		0.26	U		
1,4-DICHLOROBENZENE	0.24	U		0.24	U		0.24	U		0.24	U		
2-BUTANONE	1.3	U		2.6	J	P	1.3	U		1.3	U		
2-HEXANONE	1.7	U		1.7	U		1.7	U		1.7	UJ	D	
4-METHYL-2-PENTANONE	1.3	U		1.3	U		1.3	U		1.3	U		
ACETONE	2.2	U		23			2.2	U		2.2	U		
BENZENE	0.26	U		0.26	U		0.26	U		0.26	U		
BROMOCHLOROMETHANE	0.21	U		0.21	U		0.21	U		0.21	U		
BROMODICHLOROMETHANE	0.33	U		0.33	U		0.33	U		0.33	U		
BROMOFORM	0.23	U		0.23	U		0.23	U		0.23	U		
BROMOMETHANE	0.49	UJ	C	0.49	UJ	C	0.49	UJ	C	0.49	UJ	C	
CARBON DISULFIDE	0.25	U		0.25	U		0.25	U		0.25	U		
CARBON TETRACHLORIDE	0.22	U		0.22	U		0.22	U		0.22	U		
CHLOROBENZENE	0.22	U		0.22	U		0.22	U		0.22	U		
CHLORODIBROMOMETHANE	0.3	U		0.3	U		0.3	U		0.3	U		
CHLOROETHANE	0.55	U		0.55	U		0.55	U		0.55	U		
CHLOROFORM	0.32	U		0.32	U		0.32	U		0.32	U		
CHLOROMETHANE	0.36	U		0.36	U		0.36	U		0.36	U		
CIS-1,2-DICHLOROETHENE	0.21	U		0.21	U		0.21	U		0.21	U		
CIS-1,3-DICHLOROPROPENE	0.19	U		0.19	U		0.19	U		0.19	U		
CYCLOHEXANE	0.31	U		0.31	U		0.31	U		0.31	U		
DICHLORODIFLUOROMETHANE	0.24	UJ	C	0.24	UJ	C	0.24	UJ	C	0.24	UJ	C	

PROJ_NO: 02760 SDG: SF-1 FRACTION: OV MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011			TB01261101		
	LAB_ID	SE0387-2			SE0387-6		
	SAMP_DATE	1/25/2011			1/26/2011		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	0.2	U		0.2	U		
1,1,2,2-TETRACHLOROETHANE	0.38	U		0.38	U		
1,1,2-TRICHLOROETHANE	0.33	U		0.33	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	0.31	U		0.31	U		
1,1-DICHLOROETHANE	0.21	U		0.21	U		
1,1-DICHLOROETHENE	0.35	U		0.35	U		
1,2,3-TRICHLOROBENZENE	0.2	U		0.2	U		
1,2,4-TRICHLOROBENZENE	0.37	U		0.37	U		
1,2-DIBROMO-3-CHLOROPROPANE	0.5	U		0.5	U		
1,2-DIBROMOETHANE	0.22	U		0.22	U		
1,2-DICHLOROBENZENE	0.15	U		0.15	U		
1,2-DICHLOROETHANE	0.2	U		0.2	U		
1,2-DICHLOROPROPANE	0.25	U		0.25	U		
1,3-DICHLOROBENZENE	0.26	U		0.26	U		
1,4-DICHLOROBENZENE	0.24	U		0.24	U		
2-BUTANONE	1.3	U		1.3	U		
2-HEXANONE	1.7	U		1.7	U		
4-METHYL-2-PENTANONE	1.3	U		1.3	U		
ACETONE	2.2	U		2.2	U		
BENZENE	0.26	U		0.26	U		
BROMOCHLOROMETHANE	0.21	U		0.21	U		
BROMODICHLOROMETHANE	0.33	U		0.33	U		
BROMOFORM	0.23	U		0.23	U		
BROMOMETHANE	0.49	UJ	C	0.49	UJ	C	
CARBON DISULFIDE	0.25	U		0.25	U		
CARBON TETRACHLORIDE	0.22	U		0.22	U		
CHLOROBENZENE	0.22	U		0.22	U		
CHLORODIBROMOMETHANE	0.3	U		0.3	U		
CHLOROETHANE	0.55	U		0.55	U		
CHLOROFORM	0.32	U		0.32	U		
CHLOROMETHANE	0.36	U		0.36	U		
CIS-1,2-DICHLOROETHENE	0.21	U		0.21	U		
CIS-1,3-DICHLOROPROPENE	0.19	U		0.19	U		
CYCLOHEXANE	0.31	U		0.31	U		
DICHLORODIFLUOROMETHANE	0.24	UJ	C	0.24	UJ	C	

PROJ_NO: 02760 SDG: SF-1 FRACTION: OV MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ETHYLBENZENE	0.21	U		0.21	U		0.21	U		0.21	U		
ISOPROPYLBENZENE	0.23	U		0.23	U		0.23	U		0.23	U		
M+P-XYLENES	0.59	U		0.59	U		0.59	U		0.59	U		
METHYL ACETATE	0.53	U		0.53	U		0.53	U		0.53	U		
METHYL CYCLOHEXANE	0.3	UJ	C	0.3	UJ	C	0.3	UJ	C	0.3	UJ	C	
METHYL TERT-BUTYL ETHER	0.36	U		0.36	U		0.36	U		0.36	U		
METHYLENE CHLORIDE	1.1	U		1.1	U		1.1	U		1.1	U		
O-XYLENE	0.25	U		0.25	U		0.25	U		0.25	U		
STYRENE	0.23	U		0.23	U		0.23	U		0.23	U		
TETRACHLOROETHENE	0.4	U		0.4	U		0.4	U		0.4	U		
TOLUENE	0.27	U		0.27	U		0.27	U		0.27	U		
TRANS-1,2-DICHLOROETHENE	0.25	U		0.25	U		0.25	U		0.25	U		
TRANS-1,3-DICHLOROPROPENE	0.2	U		0.2	U		0.2	U		0.2	U		
TRICHLOROETHENE	0.28	U		0.28	U		0.28	U		0.28	U		
TRICHLOROFLUOROMETHANE	0.24	U		0.24	U		0.24	U		0.24	U		
VINYL CHLORIDE	0.25	U		0.25	U		0.25	U		0.25	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: OV MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011			TB01261101		
	LAB_ID	SE0387-2			SE0387-6		
	SAMP_DATE	1/25/2011			1/26/2011		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ETHYLBENZENE	0.21	U		0.21	U		
ISOPROPYLBENZENE	0.23	U		0.23	U		
M+P-XYLENES	0.59	U		0.59	U		
METHYL ACETATE	0.53	U		0.53	U		
METHYL CYCLOHEXANE	0.3	UJ	C	0.3	UJ	C	
METHYL TERT-BUTYL ETHER	0.36	U		0.36	U		
METHYLENE CHLORIDE	1.1	U		1.1	U		
O-XYLENE	0.25	U		0.25	U		
STYRENE	0.23	U		0.23	U		
TETRACHLOROETHENE	0.4	U		0.4	U		
TOLUENE	0.27	U		0.27	U		
TRANS-1,2-DICHLOROETHENE	0.25	U		0.25	U		
TRANS-1,3-DICHLOROPROPENE	0.2	U		0.2	U		
TRICHLOROETHENE	0.28	U		0.28	U		
TRICHLOROFLUOROMETHANE	0.24	U		0.24	U		
VINYL CHLORIDE	0.25	U		0.25	U		

PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
PROJ_NO: 02760	NSAMPLE	FD01251101		RB01261101		SF-2-MW01-80-1/2011		SF-2-MW03-65-1/2011				
SDG: SF-1	LAB_ID	SE0387-3		SE0387-4		SE0387-1		SE0387-5				
FRACTION: OS	SAMP_DATE	1/25/2011		1/26/2011		1/24/2011		1/26/2011				
MEDIA: WATER	QC_TYPE	NM		NM		NM		NM				
	UNITS	UG/L		UG/L		UG/L		UG/L				
	PCT_SOLIDS	0.0		0.0		0.0		0.0				
	DUP_OF	SF-2-MW04-65-1/2011										
1,1-BIPHENYL	2.7	U		2.6	U		2.6	U		2.6	U	
1,2,4,5-TETRACHLOROENZENE	1.8	U		1.7	U		1.8	U		1.7	U	
1,4-DIOXANE	1.8	U		1.7	U		1.8	U		1.7	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	2.1	U		2	U		2	U		2	U	
2,3,4,6-TETRACHLOROPHENOL	2.7	U		2.6	U		2.6	U		2.6	U	
2,4,5-TRICHLOROPHENOL	3.6	U		3.5	U		3.5	U		3.4	U	
2,4,6-TRICHLOROPHENOL	2.7	U		2.6	U		2.6	U		2.6	U	
2,4-DICHLOROPHENOL	3	U		2.9	U		2.9	U		2.8	U	
2,4-DIMETHYLPHENOL	4.4	U		4.2	U		4.3	U		4.2	U	
2,4-DINITROPHENOL	1	U		0.96	U		0.98	U		0.95	U	
2,4-DINITROTOLUENE	2.2	U		2.1	U		2.2	U		2.1	U	
2,6-DINITROTOLUENE	2	U		1.9	U		2	U		1.9	U	
2-CHLORONAPHTHALENE	2.9	U		2.8	U		2.8	U		2.8	U	
2-CHLOROPHENOL	3.2	U		3.1	U		3.1	U		3	U	
2-METHYLPHENOL	3.8	U		3.6	U		3.7	U		3.6	U	
2-NITROANILINE	1.8	U		1.7	U		1.8	U		1.7	U	
2-NITROPHENOL	2.7	U		2.6	U		2.6	U		2.6	U	
3&4-METHYLPHENOL	5.6	U		5.4	U		5.5	U		5.3	U	
3,3'-DICHLOROENZIDINE	1.1	U		1	U		1.1	U		1	U	
3-NITROANILINE	1.5	U		1.4	U		1.5	U		1.4	U	
4,6-DINITRO-2-METHYLPHENOL	2	U		1.9	U		2	U		1.9	U	
4-BROMOPHENYL PHENYL ETHER	1.9	U		1.8	U		1.9	U		1.8	U	
4-CHLORO-3-METHYLPHENOL	3.6	U		3.5	U		3.5	U		3.4	U	
4-CHLOROANILINE	1.9	U		1.8	U		1.9	U		1.8	U	
4-CHLOROPHENYL PHENYL ETHER	2.2	U		2.1	U		2.2	U		2.1	U	
4-NITROANILINE	1.6	U		1.5	U		1.6	U		1.5	U	
4-NITROPHENOL	1.8	U		1.7	U		1.8	U		1.7	U	
ACETOPHENONE	3.9	U		3.8	U		3.8	U		3.7	U	
ATRAZINE	3.3	UJ	C	3.2	UJ	C	3.2	UJ	C	3.1	UJ	C
BENZALDEHYDE	1	UJ	C	3.4	J	CP	0.98	UJ	C	0.95	UJ	C
BIS(2-CHLOROETHOXY)METHANE	2.1	U		2	U		2	U		2	U	
BIS(2-CHLOROETHYL)ETHER	2	U		1.9	U		2	U		1.9	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1.7	U		1.6	U		1.7	U		1.6	U	
BUTYL BENZYL PHTHALATE	1.9	U		1.8	U		1.9	U		1.8	U	
CAPROLACTAM	0.4	U		0.38	U		0.39	U		0.38	U	

PROJ_NO: 02760 SDG: SF-1 FRACTION: OS MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-2		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1,1-BIPHENYL	2.7	U		
1,2,4,5-TETRACHLOROBENZENE	1.8	U		
1,4-DIOXANE	1.8	U		
2,2'-OXYBIS(1-CHLOROPROPANE)	2.1	U		
2,3,4,6-TETRACHLOROPHENOL	2.7	U		
2,4,5-TRICHLOROPHENOL	3.6	U		
2,4,6-TRICHLOROPHENOL	2.7	U		
2,4-DICHLOROPHENOL	3	U		
2,4-DIMETHYLPHENOL	4.4	U		
2,4-DINITROPHENOL	1	U		
2,4-DINITROTOLUENE	2.2	U		
2,6-DINITROTOLUENE	2	U		
2-CHLORONAPHTHALENE	2.9	U		
2-CHLOROPHENOL	3.2	U		
2-METHYLPHENOL	3.8	U		
2-NITROANILINE	1.8	U		
2-NITROPHENOL	2.7	U		
3&4-METHYLPHENOL	5.6	U		
3,3'-DICHLOROBENZIDINE	1.1	U		
3-NITROANILINE	1.5	U		
4,6-DINITRO-2-METHYLPHENOL	2	U		
4-BROMOPHENYL PHENYL ETHER	1.9	U		
4-CHLORO-3-METHYLPHENOL	3.6	U		
4-CHLOROANILINE	1.9	U		
4-CHLOROPHENYL PHENYL ETHER	2.2	U		
4-NITROANILINE	1.6	U		
4-NITROPHENOL	1.8	U		
ACETOPHENONE	3.9	U		
ATRAZINE	3.3	UJ	C	
BENZALDEHYDE	1	UJ	C	
BIS(2-CHLOROETHOXY)METHANE	2.1	U		
BIS(2-CHLOROETHYL)ETHER	2	U		
BIS(2-ETHYLHEXYL)PHTHALATE	1.7	U		
BUTYL BENZYL PHTHALATE	1.9	U		
CAPROLACTAM	0.4	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: OS MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
CARBAZOLE	2.1	U		2	U		2	U		2	U		
DIBENZOFURAN	1.6	U		1.5	U		1.6	U		1.5	U		
DIETHYL PHTHALATE	2	U		1.9	U		2	U		1.9	U		
DIMETHYL PHTHALATE	2	U		1.9	U		2	U		1.9	U		
DI-N-BUTYL PHTHALATE	2.5	U		2.4	U		2.4	U		2.4	U		
DI-N-OCTYL PHTHALATE	1.8	U		1.7	U		1.8	U		1.7	U		
HEXACHLOROBENZENE	2.1	U		2	U		2	U		2	U		
HEXACHLOROBUTADIENE	1.8	U		1.7	U		1.8	U		1.7	U		
HEXACHLOROCYCLOPENTADIENE	1.2	U		1.2	U		1.2	U		1.1	U		
HEXACHLOROETHANE	2.3	U		2.2	U		2.2	U		2.2	U		
ISOPHORONE	1.7	U		1.6	U		1.7	U		1.6	U		
NITROBENZENE	3.1	U		3	U		3	U		3	U		
N-NITROSO-DI-N-PROPYLAMINE	2	U		1.9	U		2	U		1.9	U		
N-NITROSODIPHENYLAMINE	3.7	U		3.6	U		3.6	U		3.5	U		
PENTACHLOROPHENOL	2.3	U		2.2	U		2.2	U		2.2	U		
PHENOL	1.8	U		1.7	U		1.8	U		1.7	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: OS MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-2		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
CARBAZOLE	2.1	U		
DIBENZOFURAN	1.6	U		
DIETHYL PHTHALATE	2	U		
DIMETHYL PHTHALATE	2	U		
DI-N-BUTYL PHTHALATE	2.5	U		
DI-N-OCTYL PHTHALATE	1.8	U		
HEXACHLOROBENZENE	2.1	U		
HEXACHLOROBUTADIENE	1.8	U		
HEXACHLOROCYCLOPENTADIENE	1.2	U		
HEXACHLOROETHANE	2.3	U		
ISOPHORONE	1.7	U		
NITROBENZENE	3.1	U		
N-NITROSO-DI-N-PROPYLAMINE	2	U		
N-NITROSODIPHENYLAMINE	3.7	U		
PENTACHLOROPHENOL	2.3	U		
PHENOL	1.8	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PAH MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	0.068	U		0.065	U		0.067	U		0.065	U		
2-METHYLNAPHTHALENE	0.077	UJ	C	0.074	UJ	C	0.075	U		0.073	UJ	C	
ACENAPHTHENE	0.064	U		0.062	U		0.063	U		0.061	U		
ACENAPHTHYLENE	0.054	U		0.052	U		0.053	U		0.051	U		
ANTHRACENE	0.044	U		0.042	U		0.043	U		0.042	U		
BENZO(A)ANTHRACENE	0.046	U		0.044	U		0.045	U		0.044	U		
BENZO(A)PYRENE	0.066	U		0.063	U		0.065	U		0.063	U		
BENZO(B)FLUORANTHENE	0.089	U		0.086	U		0.087	U		0.085	U		
BENZO(G,H,I)PERYLENE	0.065	U		0.062	U		0.064	U		0.062	U		
BENZO(K)FLUORANTHENE	0.049	U		0.047	U		0.048	U		0.047	U		
CHRYSENE	0.036	U		0.035	U		0.035	U		0.034	U		
DIBENZO(A,H)ANTHRACENE	0.07	U		0.067	U		0.069	U		0.067	U		
FLUORANTHENE	0.073	U		0.07	U		0.072	U		0.07	U		
FLUORENE	0.061	U		0.059	U		0.06	U		0.058	U		
INDENO(1,2,3-CD)PYRENE	0.052	U		0.05	U		0.051	U		0.05	U		
NAPHTHALENE	0.064	U		0.062	U		0.063	U		0.061	U		
PHENANTHRENE	0.051	U		0.049	U		0.05	U		0.048	U		
PYRENE	0.059	U		0.057	U		0.058	U		0.056	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PAH MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-2		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	0.069	U		
2-METHYLNAPHTHALENE	0.078	U		
ACENAPHTHENE	0.065	U		
ACENAPHTHYLENE	0.054	U		
ANTHRACENE	0.044	U		
BENZO(A)ANTHRACENE	0.046	U		
BENZO(A)PYRENE	0.067	U		
BENZO(B)FLUORANTHENE	0.09	U		
BENZO(G,H,I)PERYLENE	0.066	U		
BENZO(K)FLUORANTHENE	0.049	U		
CHRYSENE	0.036	U		
DIBENZO(A,H)ANTHRACENE	0.071	U		
FLUORANTHENE	0.074	U		
FLUORENE	0.062	U		
INDENO(1,2,3-CD)PYRENE	0.052	U		
NAPHTHALENE	0.065	U		
PHENANTHRENE	0.052	U		
PYRENE	0.06	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PEST MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
4,4'-DDD	0.0018	U		0.0017	U		0.0017	U		0.0018	U		
4,4'-DDE	0.00096	U		0.00093	U		0.00094	U		0.00096	U		
4,4'-DDT	0.0017	U		0.0017	U		0.0017	U		0.0017	U		
ALDRIN	0.0014	U		0.0014	U		0.0014	U		0.0014	U		
ALPHA-BHC	0.0014	U		0.0013	U		0.0013	U		0.0014	U		
ALPHA-CHLORDANE	0.0015	U		0.0014	U		0.0015	U		0.0015	U		
BETA-BHC	0.0012	U		0.0012	U		0.0012	U		0.0012	U		
DELTA-BHC	0.0025	U		0.0025	U		0.0025	U		0.0025	U		
DIELDRIN	0.0013	U		0.0012	U		0.0012	U		0.0013	U		
ENDOSULFAN I	0.0012	U		0.0012	U		0.0012	U		0.0012	U		
ENDOSULFAN II	0.0011	U		0.0011	U		0.0011	U		0.0011	U		
ENDOSULFAN SULFATE	0.0013	U		0.0013	U		0.0013	U		0.0013	U		
ENDRIN	0.0016	U		0.0016	U		0.0016	U		0.0016	U		
ENDRIN ALDEHYDE	0.0012	U		0.0012	U		0.0012	U		0.0012	U		
GAMMA-BHC (LINDANE)	0.0014	U		0.0014	U		0.0014	U		0.0014	U		
GAMMA-CHLORDANE	0.0012	U		0.0011	U		0.0012	U		0.0012	U		
HEPTACHLOR	0.0016	U		0.0015	U		0.0015	U		0.0016	U		
HEPTACHLOR EPOXIDE	0.0014	U		0.0014	U		0.0014	U		0.0014	U		
METHOXYCHLOR	0.0016	U		0.0016	U		0.0016	U		0.0016	U		
TOXAPHENE	0.033	U		0.032	U		0.033	U		0.033	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PEST MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-2		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
4,4'-DDD	0.0018	U		
4,4'-DDE	0.00098	U		
4,4'-DDT	0.0018	U		
ALDRIN	0.0015	U		
ALPHA-BHC	0.0014	U		
ALPHA-CHLORDANE	0.0015	U		
BETA-BHC	0.0013	U		
DELTA-BHC	0.0026	U		
DIELDRIN	0.0013	U		
ENDOSULFAN I	0.0013	U		
ENDOSULFAN II	0.0011	U		
ENDOSULFAN SULFATE	0.0013	U		
ENDRIN	0.0017	U		
ENDRIN ALDEHYDE	0.0012	U		
GAMMA-BHC (LINDANE)	0.0014	U		
GAMMA-CHLORDANE	0.0012	U		
HEPTACHLOR	0.0016	U		
HEPTACHLOR EPOXIDE	0.0015	U		
METHOXYCHLOR	0.0017	U		
TOXAPHENE	0.034	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PCB MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
AROCLOR-1016	0.029	U		0.028	U		0.029	U		0.029	U		
AROCLOR-1221	0.039	U		0.038	U		0.038	U		0.039	U		
AROCLOR-1232	0.017	U		0.017	U		0.017	U		0.017	U		
AROCLOR-1242	0.035	U		0.034	U		0.035	U		0.035	U		
AROCLOR-1248	0.039	U		0.038	U		0.038	U		0.039	U		
AROCLOR-1254	0.016	U		0.016	U		0.016	U		0.016	U		
AROCLOR-1260	0.033	U		0.032	U		0.033	U		0.033	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PCB MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-2		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
AROCLOR-1016	0.03	U		
AROCLOR-1221	0.04	U		
AROCLOR-1232	0.018	U		
AROCLOR-1242	0.036	U		
AROCLOR-1248	0.04	U		
AROCLOR-1254	0.016	U		
AROCLOR-1260	0.034	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PET MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-3			SE0387-4			SE0387-1			SE0387-5		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
TPH (C08-C40)	56	U		320	J	P	58	U		54	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: PET MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-2		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
TPH (C08-C40)	55	U		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		103.	%					
Toluene-d8		96.4	%					
1,2-Dichloroethane-d4		91.5	%					
Dibromofluoromethane		91.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone		23.	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	I	2.6	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		103.	%					
Toluene-d8		96.2	%					
1,2-Dichloroethane-d4		92.4	%					
Dibromofluoromethane		91.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		103.	%					
Toluene-d8		96.9	%					
1,2-Dichloroethane-d4		90.8	%					
Dibromofluoromethane		91.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SE0387-5
 Client ID: SF-2-MW03-65-1/2011
 Project: OLF Saufley Field, FL- CTO.
 SDG: SF-1

Sample Date: 26-JAN-11
 Received Date: 27-JAN-11
 Extract Date: 27-JAN-11
 Extracted By: DJP
 Extraction Method: SW846 5030
 Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
 Analyst: DJP
 Analysis Method: SW846 8260B
 Matrix: AQ
 % Solids: NA
 Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		101.	%					
Toluene-d8		95.4	%					
1,2-Dichloroethane-d4		94.5	%					
Dibromofluoromethane		92.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SE0387-2
 Client ID: SF-2-MW04-65-1/2011
 Project: OLF Saufley Field, FL- CTO.
 SDG: SF-1

Sample Date: 25-JAN-11
 Received Date: 27-JAN-11
 Extract Date: 27-JAN-11
 Extracted By: DJP
 Extraction Method: SW846 5030
 Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
 Analyst: DJP
 Analysis Method: SW846 8260B
 Matrix: AQ
 % Solids: NA
 Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		103.	%					
Toluene-d8		96.9	%					
1,2-Dichloroethane-d4		91.6	%					
Dibromofluoromethane		91.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-6
Client ID: TB01261101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-6
Client ID: TB01261101
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 27-JAN-11
Extracted By: DJP
Extraction Method: SW846 5030
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		104.	%					
Toluene-d8		97.3	%					
1,2-Dichloroethane-d4		89.2	%					
Dibromofluoromethane		90.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.8	ug/L	1	10	10.	1.8	7.5
Bis(2-Chloroethyl) Ether	U	2.0	ug/L	1	10	10.	2.0	7.5
2-Chlorophenol	U	3.2	ug/L	1	10	10.	3.2	7.5
2,2'-Oxybis(1-Chloropropane)	U	2.1	ug/L	1	10	10.	2.1	7.5
2-Methylphenol	U	3.8	ug/L	1	10	10.	3.8	7.5
Hexachloroethane	U	2.3	ug/L	1	10	10.	2.3	7.5
N-Nitroso-Di-N-Propylamine	U	2.0	ug/L	1	10	10.	2.0	7.5
3&4-Methylphenol	U	5.6	ug/L	1	10	10.	5.6	7.5
Nitrobenzene	U	3.1	ug/L	1	10	10.	3.1	7.5
Isophorone	U	1.7	ug/L	1	10	10.	1.7	7.5
2-Nitrophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
2,4-Dimethylphenol	U	4.4	ug/L	1	10	10.	4.4	7.5
Bis(2-Chloroethoxy) Methane	U	2.1	ug/L	1	10	10.	2.1	7.5
2,4-Dichlorophenol	U	3.0	ug/L	1	10	10.	3.0	7.5
4-Chloroaniline	U	1.9	ug/L	1	10	10.	1.9	7.5
Hexachlorobutadiene	U	1.8	ug/L	1	10	10.	1.8	7.5
4-Chloro-3-Methylphenol	U	3.6	ug/L	1	10	10.	3.6	7.5
2,4,6-Trichlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
2,4,5-Trichlorophenol	U	3.6	ug/L	1	25	25.	3.6	19.
2-Chloronaphthalene	U	2.9	ug/L	1	10	10.	2.9	7.5
2-Nitroaniline	U	1.8	ug/L	1	25	25.	1.8	19.
Dimethyl Phthalate	U	2.0	ug/L	1	10	10.	2.0	7.5
2,6-Dinitrotoluene	U	2.0	ug/L	1	10	10.	2.0	7.5
3-Nitroaniline	U	1.5	ug/L	1	25	25.	1.5	19.
2,4-Dinitrophenol	U	1.0	ug/L	1	25	25.	1.0	19.
Dibenzofuran	U	1.6	ug/L	1	10	10.	1.6	7.5
4-Nitrophenol	U	1.8	ug/L	1	25	25.	1.8	19.
2,4-Dinitrotoluene	U	2.2	ug/L	1	10	10.	2.2	7.5
Diethylphthalate	U	2.0	ug/L	1	10	10.	2.0	7.5
4-Chlorophenyl-Phenylether	U	2.2	ug/L	1	10	10.	2.2	7.5
4-Nitroaniline	U	1.6	ug/L	1	25	25.	1.6	19.
4,6-Dinitro-2-Methylphenol	U	2.0	ug/L	1	25	25.	2.0	19.
N-Nitrosodiphenylamine	U	3.7	ug/L	1	10	10.	3.7	7.5
4-Bromophenyl-Phenylether	U	1.9	ug/L	1	10	10.	1.9	7.5
Hexachlorobenzene	U	2.1	ug/L	1	10	10.	2.1	7.5

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.3	ug/L	1	25	25.	2.3	19.
Carbazole	U	2.1	ug/L	1	10	10.	2.1	7.5
Di-N-Butylphthalate	U	2.5	ug/L	1	10	10.	2.5	7.5
Butylbenzylphthalate	U	1.9	ug/L	1	10	10.	1.9	7.5
3,3'-Dichlorobenzidine	U	1.1	ug/L	1	10	10.	1.1	19.
Bis(2-Ethylhexyl) Phthalate	U	1.7	ug/L	1	10	10.	1.7	7.5
Di-N-Octylphthalate	U	1.8	ug/L	1	10	10.	1.8	7.5
1,1'-Biphenyl	U	2.7	ug/L	1	10	10.	2.7	7.5
Caprolactam	U	0.40	ug/L	1	10	10.	0.40	7.5
Benzaldehyde	U	1.0	ug/L	1	10	10.	1.0	7.5
Acetophenone	U	3.9	ug/L	1	10	10.	3.9	7.5
Atrazine	U	3.3	ug/L	1	10	10.	3.3	7.5
2,3,4,6-Tetrachlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
1,2,4,5-Tetrachlorobenzene	U	1.8	ug/L	1	10	10.	1.8	7.5
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	10.	1.2	7.5
1,4-Dioxane	U	1.8	ug/L	1	10	10.	1.8	7.5
2-Fluorophenol		39.9	%					
Phenol-D6		26.1	%					
Nitrobenzene-d5		72.6	%					
2-Fluorobiphenyl		75.2	%					
2,4,6-Tribromophenol		69.7	%					
Terphenyl-d14		92.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.7	ug/L	1	10	9.6	1.7	7.2
Bis(2-Chloroethyl) Ether	U	1.9	ug/L	1	10	9.6	1.9	7.2
2-Chlorophenol	U	3.1	ug/L	1	10	9.6	3.1	7.2
2,2'-Oxybis(1-Chloropropane)	U	2.0	ug/L	1	10	9.6	2.0	7.2
2-Methylphenol	U	3.6	ug/L	1	10	9.6	3.6	7.2
Hexachloroethane	U	2.2	ug/L	1	10	9.6	2.2	7.2
N-Nitroso-Di-N-Propylamine	U	1.9	ug/L	1	10	9.6	1.9	7.2
3&4-Methylphenol	U	5.4	ug/L	1	10	9.6	5.4	7.2
Nitrobenzene	U	3.0	ug/L	1	10	9.6	3.0	7.2
Isophorone	U	1.6	ug/L	1	10	9.6	1.6	7.2
2-Nitrophenol	U	2.6	ug/L	1	10	9.6	2.6	7.2
2,4-Dimethylphenol	U	4.2	ug/L	1	10	9.6	4.2	7.2
Bis(2-Chloroethoxy) Methane	U	2.0	ug/L	1	10	9.6	2.0	7.2
2,4-Dichlorophenol	U	2.9	ug/L	1	10	9.6	2.9	7.2
4-Chloroaniline	U	1.8	ug/L	1	10	9.6	1.8	7.2
Hexachlorobutadiene	U	1.7	ug/L	1	10	9.6	1.7	7.2
4-Chloro-3-Methylphenol	U	3.5	ug/L	1	10	9.6	3.5	7.2
2,4,6-Trichlorophenol	U	2.6	ug/L	1	10	9.6	2.6	7.2
2,4,5-Trichlorophenol	U	3.5	ug/L	1	25	24.	3.5	18.
2-Chloronaphthalene	U	2.8	ug/L	1	10	9.6	2.8	7.2
2-Nitroaniline	U	1.7	ug/L	1	25	24.	1.7	18.
Dimethyl Phthalate	U	1.9	ug/L	1	10	9.6	1.9	7.2
2,6-Dinitrotoluene	U	1.9	ug/L	1	10	9.6	1.9	7.2
3-Nitroaniline	U	1.4	ug/L	1	25	24.	1.4	18.
2,4-Dinitrophenol	U	0.96	ug/L	1	25	24.	0.96	18.
Dibenzofuran	U	1.5	ug/L	1	10	9.6	1.5	7.2
4-Nitrophenol	U	1.7	ug/L	1	25	24.	1.7	18.
2,4-Dinitrotoluene	U	2.1	ug/L	1	10	9.6	2.1	7.2
Diethylphthalate	U	1.9	ug/L	1	10	9.6	1.9	7.2
4-Chlorophenyl-Phenylether	U	2.1	ug/L	1	10	9.6	2.1	7.2
4-Nitroaniline	U	1.5	ug/L	1	25	24.	1.5	18.
4,6-Dinitro-2-Methylphenol	U	1.9	ug/L	1	25	24.	1.9	18.
N-Nitrosodiphenylamine	U	3.6	ug/L	1	10	9.6	3.6	7.2
4-Bromophenyl-Phenylether	U	1.8	ug/L	1	10	9.6	1.8	7.2
Hexachlorobenzene	U	2.0	ug/L	1	10	9.6	2.0	7.2

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.2	ug/L	1	25	24.	2.2	18.
Carbazole	U	2.0	ug/L	1	10	9.6	2.0	7.2
Di-N-Butylphthalate	U	2.4	ug/L	1	10	9.6	2.4	7.2
Butylbenzylphthalate	U	1.8	ug/L	1	10	9.6	1.8	7.2
3,3'-Dichlorobenzidine	U	1.0	ug/L	1	10	9.6	1.0	18.
Bis(2-Ethylhexyl) Phthalate	U	1.6	ug/L	1	10	9.6	1.6	7.2
Di-N-Octylphthalate	U	1.7	ug/L	1	10	9.6	1.7	7.2
1,1'-Biphenyl	U	2.6	ug/L	1	10	9.6	2.6	7.2
Caprolactam	U	0.38	ug/L	1	10	9.6	0.38	7.2
Benzaldehyde	I	3.4	ug/L	1	10	9.6	0.96	7.2
Acetophenone	U	3.8	ug/L	1	10	9.6	3.8	7.2
Atrazine	U	3.2	ug/L	1	10	9.6	3.2	7.2
2,3,4,6-Tetrachlorophenol	U	2.6	ug/L	1	10	9.6	2.6	7.2
1,2,4,5-Tetrachlorobenzene	U	1.7	ug/L	1	10	9.6	1.7	7.2
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	9.6	1.2	7.2
1,4-Dioxane	U	1.7	ug/L	1	10	9.6	1.7	7.2
2-Fluorophenol		46.6	%					
Phenol-D6		33.4	%					
Nitrobenzene-d5		77.5	%					
2-Fluorobiphenyl		78.6	%					
2,4,6-Tribromophenol		74.8	%					
Terphenyl-d14		85.4	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.8	ug/L	1	10	9.8	1.8	7.4
Bis(2-Chloroethyl) Ether	U	2.0	ug/L	1	10	9.8	2.0	7.4
2-Chlorophenol	U	3.1	ug/L	1	10	9.8	3.1	7.4
2,2'-Oxybis(1-Chloropropane)	U	2.0	ug/L	1	10	9.8	2.0	7.4
2-Methylphenol	U	3.7	ug/L	1	10	9.8	3.7	7.4
Hexachloroethane	U	2.2	ug/L	1	10	9.8	2.2	7.4
N-Nitroso-Di-N-Propylamine	U	2.0	ug/L	1	10	9.8	2.0	7.4
3&4-Methylphenol	U	5.5	ug/L	1	10	9.8	5.5	7.4
Nitrobenzene	U	3.0	ug/L	1	10	9.8	3.0	7.4
Isophorone	U	1.7	ug/L	1	10	9.8	1.7	7.4
2-Nitrophenol	U	2.6	ug/L	1	10	9.8	2.6	7.4
2,4-Dimethylphenol	U	4.3	ug/L	1	10	9.8	4.3	7.4
Bis(2-Chloroethoxy) Methane	U	2.0	ug/L	1	10	9.8	2.0	7.4
2,4-Dichlorophenol	U	2.9	ug/L	1	10	9.8	2.9	7.4
4-Chloroaniline	U	1.9	ug/L	1	10	9.8	1.9	7.4
Hexachlorobutadiene	U	1.8	ug/L	1	10	9.8	1.8	7.4
4-Chloro-3-Methylphenol	U	3.5	ug/L	1	10	9.8	3.5	7.4
2,4,6-Trichlorophenol	U	2.6	ug/L	1	10	9.8	2.6	7.4
2,4,5-Trichlorophenol	U	3.5	ug/L	1	25	24.	3.5	18.
2-Chloronaphthalene	U	2.8	ug/L	1	10	9.8	2.8	7.4
2-Nitroaniline	U	1.8	ug/L	1	25	24.	1.8	18.
Dimethyl Phthalate	U	2.0	ug/L	1	10	9.8	2.0	7.4
2,6-Dinitrotoluene	U	2.0	ug/L	1	10	9.8	2.0	7.4
3-Nitroaniline	U	1.5	ug/L	1	25	24.	1.5	18.
2,4-Dinitrophenol	U	0.98	ug/L	1	25	24.	0.98	18.
Dibenzofuran	U	1.6	ug/L	1	10	9.8	1.6	7.4
4-Nitrophenol	U	1.8	ug/L	1	25	24.	1.8	18.
2,4-Dinitrotoluene	U	2.2	ug/L	1	10	9.8	2.2	7.4
Diethylphthalate	U	2.0	ug/L	1	10	9.8	2.0	7.4
4-Chlorophenyl-Phenylether	U	2.2	ug/L	1	10	9.8	2.2	7.4
4-Nitroaniline	U	1.6	ug/L	1	25	24.	1.6	18.
4,6-Dinitro-2-Methylphenol	U	2.0	ug/L	1	25	24.	2.0	18.
N-Nitrosodiphenylamine	U	3.6	ug/L	1	10	9.8	3.6	7.4
4-Bromophenyl-Phenylether	U	1.9	ug/L	1	10	9.8	1.9	7.4
Hexachlorobenzene	U	2.0	ug/L	1	10	9.8	2.0	7.4

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.2	ug/L	1	25	24.	2.2	18.
Carbazole	U	2.0	ug/L	1	10	9.8	2.0	7.4
Di-N-Butylphthalate	U	2.4	ug/L	1	10	9.8	2.4	7.4
Butylbenzylphthalate	U	1.9	ug/L	1	10	9.8	1.9	7.4
3,3'-Dichlorobenzidine	U	1.1	ug/L	1	10	9.8	1.1	18.
Bis(2-Ethylhexyl) Phthalate	U	1.7	ug/L	1	10	9.8	1.7	7.4
Di-N-Octylphthalate	U	1.8	ug/L	1	10	9.8	1.8	7.4
1,1'-Biphenyl	U	2.6	ug/L	1	10	9.8	2.6	7.4
Caprolactam	U	0.39	ug/L	1	10	9.8	0.39	7.4
Benzaldehyde	U	0.98	ug/L	1	10	9.8	0.98	7.4
Acetophenone	U	3.8	ug/L	1	10	9.8	3.8	7.4
Atrazine	U	3.2	ug/L	1	10	9.8	3.2	7.4
2,3,4,6-Tetrachlorophenol	U	2.6	ug/L	1	10	9.8	2.6	7.4
1,2,4,5-Tetrachlorobenzene	U	1.8	ug/L	1	10	9.8	1.8	7.4
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	9.8	1.2	7.4
1,4-Dioxane	U	1.8	ug/L	1	10	9.8	1.8	7.4
2-Fluorophenol		40.6	%					
Phenol-D6		28.2	%					
Nitrobenzene-d5		79.3	%					
2-Fluorobiphenyl		78.7	%					
2,4,6-Tribromophenol		74.7	%					
Terphenyl-d14		86.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.7	ug/L	1	10	9.5	1.7	7.1
Bis(2-Chloroethyl) Ether	U	1.9	ug/L	1	10	9.5	1.9	7.1
2-Chlorophenol	U	3.0	ug/L	1	10	9.5	3.0	7.1
2,2'-Oxybis(1-Chloropropane)	U	2.0	ug/L	1	10	9.5	2.0	7.1
2-Methylphenol	U	3.6	ug/L	1	10	9.5	3.6	7.1
Hexachloroethane	U	2.2	ug/L	1	10	9.5	2.2	7.1
N-Nitroso-Di-N-Propylamine	U	1.9	ug/L	1	10	9.5	1.9	7.1
3&4-Methylphenol	U	5.3	ug/L	1	10	9.5	5.3	7.1
Nitrobenzene	U	3.0	ug/L	1	10	9.5	3.0	7.1
Isophorone	U	1.6	ug/L	1	10	9.5	1.6	7.1
2-Nitrophenol	U	2.6	ug/L	1	10	9.5	2.6	7.1
2,4-Dimethylphenol	U	4.2	ug/L	1	10	9.5	4.2	7.1
Bis(2-Chloroethoxy) Methane	U	2.0	ug/L	1	10	9.5	2.0	7.1
2,4-Dichlorophenol	U	2.8	ug/L	1	10	9.5	2.8	7.1
4-Chloroaniline	U	1.8	ug/L	1	10	9.5	1.8	7.1
Hexachlorobutadiene	U	1.7	ug/L	1	10	9.5	1.7	7.1
4-Chloro-3-Methylphenol	U	3.4	ug/L	1	10	9.5	3.4	7.1
2,4,6-Trichlorophenol	U	2.6	ug/L	1	10	9.5	2.6	7.1
2,4,5-Trichlorophenol	U	3.4	ug/L	1	25	24.	3.4	18.
2-Chloronaphthalene	U	2.8	ug/L	1	10	9.5	2.8	7.1
2-Nitroaniline	U	1.7	ug/L	1	25	24.	1.7	18.
Dimethyl Phthalate	U	1.9	ug/L	1	10	9.5	1.9	7.1
2,6-Dinitrotoluene	U	1.9	ug/L	1	10	9.5	1.9	7.1
3-Nitroaniline	U	1.4	ug/L	1	25	24.	1.4	18.
2,4-Dinitrophenol	U	0.95	ug/L	1	25	24.	0.95	18.
Dibenzofuran	U	1.5	ug/L	1	10	9.5	1.5	7.1
4-Nitrophenol	U	1.7	ug/L	1	25	24.	1.7	18.
2,4-Dinitrotoluene	U	2.1	ug/L	1	10	9.5	2.1	7.1
Diethylphthalate	U	1.9	ug/L	1	10	9.5	1.9	7.1
4-Chlorophenyl-Phenylether	U	2.1	ug/L	1	10	9.5	2.1	7.1
4-Nitroaniline	U	1.5	ug/L	1	25	24.	1.5	18.
4,6-Dinitro-2-Methylphenol	U	1.9	ug/L	1	25	24.	1.9	18.
N-Nitrosodiphenylamine	U	3.5	ug/L	1	10	9.5	3.5	7.1
4-Bromophenyl-Phenylether	U	1.8	ug/L	1	10	9.5	1.8	7.1
Hexachlorobenzene	U	2.0	ug/L	1	10	9.5	2.0	7.1

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.2	ug/L	1	25	24.	2.2	18.
Carbazole	U	2.0	ug/L	1	10	9.5	2.0	7.1
Di-N-Butylphthalate	U	2.4	ug/L	1	10	9.5	2.4	7.1
Butylbenzylphthalate	U	1.8	ug/L	1	10	9.5	1.8	7.1
3,3'-Dichlorobenzidine	U	1.0	ug/L	1	10	9.5	1.0	18.
Bis(2-Ethylhexyl) Phthalate	U	1.6	ug/L	1	10	9.5	1.6	7.1
Di-N-Octylphthalate	U	1.7	ug/L	1	10	9.5	1.7	7.1
1,1'-Biphenyl	U	2.6	ug/L	1	10	9.5	2.6	7.1
Caprolactam	U	0.38	ug/L	1	10	9.5	0.38	7.1
Benzaldehyde	U	0.95	ug/L	1	10	9.5	0.95	7.1
Acetophenone	U	3.7	ug/L	1	10	9.5	3.7	7.1
Atrazine	U	3.1	ug/L	1	10	9.5	3.1	7.1
2,3,4,6-Tetrachlorophenol	U	2.6	ug/L	1	10	9.5	2.6	7.1
1,2,4,5-Tetrachlorobenzene	U	1.7	ug/L	1	10	9.5	1.7	7.1
Hexachlorocyclopentadiene	U	1.1	ug/L	1	10	9.5	1.1	7.1
1,4-Dioxane	U	1.7	ug/L	1	10	9.5	1.7	7.1
2-Fluorophenol		43.3	%					
Phenol-D6		29.8	%					
Nitrobenzene-d5		71.7	%					
2-Fluorobiphenyl		72.6	%					
2,4,6-Tribromophenol		71.6	%					
Terphenyl-d14		79.2	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.8	ug/L	1	10	10.	1.8	7.6
Bis(2-Chloroethyl) Ether	U	2.0	ug/L	1	10	10.	2.0	7.6
2-Chlorophenol	U	3.2	ug/L	1	10	10.	3.2	7.6
2,2'-Oxybis(1-Chloropropane)	U	2.1	ug/L	1	10	10.	2.1	7.6
2-Methylphenol	U	3.8	ug/L	1	10	10.	3.8	7.6
Hexachloroethane	U	2.3	ug/L	1	10	10.	2.3	7.6
N-Nitroso-Di-N-Propylamine	U	2.0	ug/L	1	10	10.	2.0	7.6
3&4-Methylphenol	U	5.6	ug/L	1	10	10.	5.6	7.6
Nitrobenzene	U	3.1	ug/L	1	10	10.	3.1	7.6
Isophorone	U	1.7	ug/L	1	10	10.	1.7	7.6
2-Nitrophenol	U	2.7	ug/L	1	10	10.	2.7	7.6
2,4-Dimethylphenol	U	4.4	ug/L	1	10	10.	4.4	7.6
Bis(2-Chloroethoxy) Methane	U	2.1	ug/L	1	10	10.	2.1	7.6
2,4-Dichlorophenol	U	3.0	ug/L	1	10	10.	3.0	7.6
4-Chloroaniline	U	1.9	ug/L	1	10	10.	1.9	7.6
Hexachlorobutadiene	U	1.8	ug/L	1	10	10.	1.8	7.6
4-Chloro-3-Methylphenol	U	3.6	ug/L	1	10	10.	3.6	7.6
2,4,6-Trichlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.6
2,4,5-Trichlorophenol	U	3.6	ug/L	1	25	25.	3.6	19.
2-Chloronaphthalene	U	2.9	ug/L	1	10	10.	2.9	7.6
2-Nitroaniline	U	1.8	ug/L	1	25	25.	1.8	19.
Dimethyl Phthalate	U	2.0	ug/L	1	10	10.	2.0	7.6
2,6-Dinitrotoluene	U	2.0	ug/L	1	10	10.	2.0	7.6
3-Nitroaniline	U	1.5	ug/L	1	25	25.	1.5	19.
2,4-Dinitrophenol	U	1.0	ug/L	1	25	25.	1.0	19.
Dibenzofuran	U	1.6	ug/L	1	10	10.	1.6	7.6
4-Nitrophenol	U	1.8	ug/L	1	25	25.	1.8	19.
2,4-Dinitrotoluene	U	2.2	ug/L	1	10	10.	2.2	7.6
Diethylphthalate	U	2.0	ug/L	1	10	10.	2.0	7.6
4-Chlorophenyl-Phenylether	U	2.2	ug/L	1	10	10.	2.2	7.6
4-Nitroaniline	U	1.6	ug/L	1	25	25.	1.6	19.
4,6-Dinitro-2-Methylphenol	U	2.0	ug/L	1	25	25.	2.0	19.
N-Nitrosodiphenylamine	U	3.7	ug/L	1	10	10.	3.7	7.6
4-Bromophenyl-Phenylether	U	1.9	ug/L	1	10	10.	1.9	7.6
Hexachlorobenzene	U	2.1	ug/L	1	10	10.	2.1	7.6

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.3	ug/L	1	25	25.	2.3	19.
Carbazole	U	2.1	ug/L	1	10	10.	2.1	7.6
Di-N-Butylphthalate	U	2.5	ug/L	1	10	10.	2.5	7.6
Butylbenzylphthalate	U	1.9	ug/L	1	10	10.	1.9	7.6
3,3'-Dichlorobenzidine	U	1.1	ug/L	1	10	10.	1.1	19.
Bis(2-Ethylhexyl) Phthalate	U	1.7	ug/L	1	10	10.	1.7	7.6
Di-N-Octylphthalate	U	1.8	ug/L	1	10	10.	1.8	7.6
1,1'-Biphenyl	U	2.7	ug/L	1	10	10.	2.7	7.6
Caprolactam	U	0.40	ug/L	1	10	10.	0.40	7.6
Benzaldehyde	U	1.0	ug/L	1	10	10.	1.0	7.6
Acetophenone	U	3.9	ug/L	1	10	10.	3.9	7.6
Atrazine	U	3.3	ug/L	1	10	10.	3.3	7.6
2,3,4,6-Tetrachlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.6
1,2,4,5-Tetrachlorobenzene	U	1.8	ug/L	1	10	10.	1.8	7.6
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	10.	1.2	7.6
1,4-Dioxane	U	1.8	ug/L	1	10	10.	1.8	7.6
2-Fluorophenol		43.2	%					
Phenol-D6		29.2	%					
Nitrobenzene-d5		78.8	%					
2-Fluorobiphenyl		76.5	%					
2,4,6-Tribromophenol		75.7	%					
Terphenyl-d14		88.0	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 03-FEB-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.064	ug/L	1	.2	0.20	0.064	0.10
1-Methylnaphthalene	U	0.068	ug/L	1	.2	0.20	0.068	0.10
2-Methylnaphthalene	U	0.077	ug/L	1	.2	0.20	0.077	0.10
Acenaphthylene	U	0.054	ug/L	1	.2	0.20	0.054	0.10
Acenaphthene	U	0.064	ug/L	1	.2	0.20	0.064	0.10
Fluorene	U	0.061	ug/L	1	.2	0.20	0.061	0.10
Phenanthrene	U	0.051	ug/L	1	.2	0.20	0.051	0.10
Anthracene	U	0.044	ug/L	1	.2	0.20	0.044	0.10
Fluoranthene	U	0.073	ug/L	1	.2	0.20	0.073	0.10
Pyrene	U	0.059	ug/L	1	.2	0.20	0.059	0.10
Benzo (a) anthracene	U	0.046	ug/L	1	.2	0.20	0.046	0.10
Chrysene	U	0.036	ug/L	1	.2	0.20	0.036	0.10
Benzo (b) Fluoranthene	U	0.089	ug/L	1	.2	0.20	0.089	0.10
Benzo(k)fluoranthene	U	0.049	ug/L	1	.2	0.20	0.049	0.10
Benzo(a)pyrene	U	0.066	ug/L	1	.2	0.20	0.066	0.10
Indeno (1,2,3-cd) pyrene	U	0.052	ug/L	1	.2	0.20	0.052	0.10
Dibenzo (a,h) anthracene	U	0.070	ug/L	1	.2	0.20	0.070	0.10
Benzo(g,h,i)perylene	U	0.065	ug/L	1	.2	0.20	0.065	0.10
2-Methylnaphthalene-D10		68.1	%					
Fluorene-D10		61.2	%					
pyrene-d10		81.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 03-FEB-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.062	ug/L	1	.2	0.19	0.062	0.096
1-Methylnaphthalene	U	0.065	ug/L	1	.2	0.19	0.065	0.096
2-Methylnaphthalene	U	0.074	ug/L	1	.2	0.19	0.074	0.096
Acenaphthylene	U	0.052	ug/L	1	.2	0.19	0.052	0.096
Acenaphthene	U	0.062	ug/L	1	.2	0.19	0.062	0.096
Fluorene	U	0.059	ug/L	1	.2	0.19	0.059	0.096
Phenanthrene	U	0.049	ug/L	1	.2	0.19	0.049	0.096
Anthracene	U	0.042	ug/L	1	.2	0.19	0.042	0.096
Fluoranthene	U	0.070	ug/L	1	.2	0.19	0.070	0.096
Pyrene	U	0.057	ug/L	1	.2	0.19	0.057	0.096
Benzo (a) anthracene	U	0.044	ug/L	1	.2	0.19	0.044	0.096
Chrysene	U	0.035	ug/L	1	.2	0.19	0.035	0.096
Benzo (b) Fluoranthene	U	0.086	ug/L	1	.2	0.19	0.086	0.096
Benzo(k)fluoranthene	U	0.047	ug/L	1	.2	0.19	0.047	0.096
Benzo(a)pyrene	U	0.063	ug/L	1	.2	0.19	0.063	0.096
Indeno (1,2,3-cd) pyrene	U	0.050	ug/L	1	.2	0.19	0.050	0.096
Dibenzo (a,h) anthracene	U	0.067	ug/L	1	.2	0.19	0.067	0.096
Benzo(g,h,i)perylene	U	0.062	ug/L	1	.2	0.19	0.062	0.096
2-Methylnaphthalene-D10		58.2	%					
Fluorene-D10		63.9	%					
pyrene-d10		76.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 31-JAN-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.063	ug/L	1	.2	0.20	0.063	0.098
1-Methylnaphthalene	U	0.067	ug/L	1	.2	0.20	0.067	0.098
2-Methylnaphthalene	U	0.075	ug/L	1	.2	0.20	0.075	0.098
Acenaphthylene	U	0.053	ug/L	1	.2	0.20	0.053	0.098
Acenaphthene	U	0.063	ug/L	1	.2	0.20	0.063	0.098
Fluorene	U	0.060	ug/L	1	.2	0.20	0.060	0.098
Phenanthrene	U	0.050	ug/L	1	.2	0.20	0.050	0.098
Anthracene	U	0.043	ug/L	1	.2	0.20	0.043	0.098
Fluoranthene	U	0.072	ug/L	1	.2	0.20	0.072	0.098
Pyrene	U	0.058	ug/L	1	.2	0.20	0.058	0.098
Benzo (a) anthracene	U	0.045	ug/L	1	.2	0.20	0.045	0.098
Chrysene	U	0.035	ug/L	1	.2	0.20	0.035	0.098
Benzo (b) Fluoranthene	U	0.087	ug/L	1	.2	0.20	0.087	0.098
Benzo(k)fluoranthene	U	0.048	ug/L	1	.2	0.20	0.048	0.098
Benzo(a)pyrene	U	0.065	ug/L	1	.2	0.20	0.065	0.098
Indeno (1,2,3-cd) pyrene	U	0.051	ug/L	1	.2	0.20	0.051	0.098
Dibenzo (a,h) anthracene	U	0.069	ug/L	1	.2	0.20	0.069	0.098
Benzo(g,h,i)perylene	U	0.064	ug/L	1	.2	0.20	0.064	0.098
2-Methylnaphthalene-D10		75.0	%					
Fluorene-D10		59.1	%					
pyrene-d10		69.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 03-FEB-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.061	ug/L	1	.2	0.19	0.061	0.095
1-Methylnaphthalene	U	0.065	ug/L	1	.2	0.19	0.065	0.095
2-Methylnaphthalene	U	0.073	ug/L	1	.2	0.19	0.073	0.095
Acenaphthylene	U	0.051	ug/L	1	.2	0.19	0.051	0.095
Acenaphthene	U	0.061	ug/L	1	.2	0.19	0.061	0.095
Fluorene	U	0.058	ug/L	1	.2	0.19	0.058	0.095
Phenanthrene	U	0.048	ug/L	1	.2	0.19	0.048	0.095
Anthracene	U	0.042	ug/L	1	.2	0.19	0.042	0.095
Fluoranthene	U	0.070	ug/L	1	.2	0.19	0.070	0.095
Pyrene	U	0.056	ug/L	1	.2	0.19	0.056	0.095
Benzo (a) anthracene	U	0.044	ug/L	1	.2	0.19	0.044	0.095
Chrysene	U	0.034	ug/L	1	.2	0.19	0.034	0.095
Benzo (b) Fluoranthene	U	0.085	ug/L	1	.2	0.19	0.085	0.095
Benzo(k)fluoranthene	U	0.047	ug/L	1	.2	0.19	0.047	0.095
Benzo(a)pyrene	U	0.063	ug/L	1	.2	0.19	0.063	0.095
Indeno (1,2,3-cd) pyrene	U	0.050	ug/L	1	.2	0.19	0.050	0.095
Dibenzo (a,h) anthracene	U	0.067	ug/L	1	.2	0.19	0.067	0.095
Benzo(g,h,i)perylene	U	0.062	ug/L	1	.2	0.19	0.062	0.095
2-Methylnaphthalene-D10		63.4	%					
Fluorene-D10		61.0	%					
pyrene-d10		80.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 31-JAN-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.065	ug/L	1	.2	0.20	0.065	0.10
1-Methylnaphthalene	U	0.069	ug/L	1	.2	0.20	0.069	0.10
2-Methylnaphthalene	U	0.078	ug/L	1	.2	0.20	0.078	0.10
Acenaphthylene	U	0.054	ug/L	1	.2	0.20	0.054	0.10
Acenaphthene	U	0.065	ug/L	1	.2	0.20	0.065	0.10
Fluorene	U	0.062	ug/L	1	.2	0.20	0.062	0.10
Phenanthrene	U	0.052	ug/L	1	.2	0.20	0.052	0.10
Anthracene	U	0.044	ug/L	1	.2	0.20	0.044	0.10
Fluoranthene	U	0.074	ug/L	1	.2	0.20	0.074	0.10
Pyrene	U	0.060	ug/L	1	.2	0.20	0.060	0.10
Benzo (a) anthracene	U	0.046	ug/L	1	.2	0.20	0.046	0.10
Chrysene	U	0.036	ug/L	1	.2	0.20	0.036	0.10
Benzo (b) Fluoranthene	U	0.090	ug/L	1	.2	0.20	0.090	0.10
Benzo(k)fluoranthene	U	0.049	ug/L	1	.2	0.20	0.049	0.10
Benzo(a)pyrene	U	0.067	ug/L	1	.2	0.20	0.067	0.10
Indeno (1,2,3-cd) pyrene	U	0.052	ug/L	1	.2	0.20	0.052	0.10
Dibenzo (a,h) anthracene	U	0.071	ug/L	1	.2	0.20	0.071	0.10
Benzo(g,h,i)perylene	U	0.066	ug/L	1	.2	0.20	0.066	0.10
2-Methylnaphthalene-D10		67.8	%					
Fluorene-D10		60.1	%					
pyrene-d10		73.4	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0013	ug/L	1	.05	0.0096	0.0013	0.0048
Gamma-BHC	U	0.0014	ug/L	1	.05	0.0096	0.0014	0.0048
Heptachlor	U	0.0015	ug/L	1	.05	0.0096	0.0015	0.0048
Aldrin	U	0.0014	ug/L	1	.05	0.0096	0.0014	0.0048
beta-BHC	U	0.0012	ug/L	1	.05	0.0096	0.0012	0.0048
delta-BHC	U	0.0025	ug/L	1	.05	0.0096	0.0025	0.0048
Heptachlor Epoxide	U	0.0014	ug/L	1	.05	0.0096	0.0014	0.0048
Endosulfan I	U	0.0012	ug/L	1	.05	0.0096	0.0012	0.0048
Gamma-Chlordane	U	0.0012	ug/L	1	.05	0.0096	0.0012	0.0048
Alpha-Chlordane	U	0.0015	ug/L	1	.05	0.0096	0.0015	0.0048
4,4'-DDE	U	0.00094	ug/L	1	.1	0.019	0.00094	0.0096
Dieldrin	U	0.0012	ug/L	1	.1	0.019	0.0012	0.0096
Endrin	U	0.0016	ug/L	1	.1	0.019	0.0016	0.0096
4,4'-DDD	U	0.0017	ug/L	1	.1	0.019	0.0017	0.0096
Endosulfan II	U	0.0011	ug/L	1	.1	0.019	0.0011	0.0096
4,4'-DDT	U	0.0017	ug/L	1	.1	0.019	0.0017	0.0096
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.019	0.0012	0.0096
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.019	0.0013	0.0096
Methoxychlor	U	0.0016	ug/L	1	.5	0.096	0.0016	0.048
Toxaphene	U	0.033	ug/L	1	1	0.19	0.033	0.096
Tetrachloro-M-Xylene		82.8	%					
Decachlorobiphenyl		73.4	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
Gamma-BHC	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
Heptachlor	U	0.0016	ug/L	1	.05	0.0098	0.0016	0.0049
Aldrin	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
beta-BHC	U	0.0012	ug/L	1	.05	0.0098	0.0012	0.0049
delta-BHC	U	0.0025	ug/L	1	.05	0.0098	0.0025	0.0049
Heptachlor Epoxide	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
Endosulfan I	U	0.0012	ug/L	1	.05	0.0098	0.0012	0.0049
Gamma-Chlordane	U	0.0012	ug/L	1	.05	0.0098	0.0012	0.0049
Alpha-Chlordane	U	0.0015	ug/L	1	.05	0.0098	0.0015	0.0049
4,4'-DDE	U	0.00096	ug/L	1	.1	0.020	0.00096	0.0098
Dieldrin	U	0.0013	ug/L	1	.1	0.020	0.0013	0.0098
Endrin	U	0.0016	ug/L	1	.1	0.020	0.0016	0.0098
4,4'-DDD	U	0.0018	ug/L	1	.1	0.020	0.0018	0.0098
Endosulfan II	U	0.0011	ug/L	1	.1	0.020	0.0011	0.0098
4,4'-DDT	U	0.0017	ug/L	1	.1	0.020	0.0017	0.0098
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.020	0.0012	0.0098
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.020	0.0013	0.0098
Methoxychlor	U	0.0016	ug/L	1	.5	0.098	0.0016	0.049
Toxaphene	U	0.033	ug/L	1	1	0.20	0.033	0.098
Tetrachloro-M-Xylene		72.4	%					
Decachlorobiphenyl		82.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0013	ug/L	1	.05	0.0095	0.0013	0.0048
Gamma-BHC	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
Heptachlor	U	0.0015	ug/L	1	.05	0.0095	0.0015	0.0048
Aldrin	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
beta-BHC	U	0.0012	ug/L	1	.05	0.0095	0.0012	0.0048
delta-BHC	U	0.0025	ug/L	1	.05	0.0095	0.0025	0.0048
Heptachlor Epoxide	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
Endosulfan I	U	0.0012	ug/L	1	.05	0.0095	0.0012	0.0048
Gamma-Chlordane	U	0.0011	ug/L	1	.05	0.0095	0.0011	0.0048
Alpha-Chlordane	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
4,4'-DDE	U	0.00093	ug/L	1	.1	0.019	0.00093	0.0095
Dieldrin	U	0.0012	ug/L	1	.1	0.019	0.0012	0.0095
Endrin	U	0.0016	ug/L	1	.1	0.019	0.0016	0.0095
4,4'-DDD	U	0.0017	ug/L	1	.1	0.019	0.0017	0.0095
Endosulfan II	U	0.0011	ug/L	1	.1	0.019	0.0011	0.0095
4,4'-DDT	U	0.0017	ug/L	1	.1	0.019	0.0017	0.0095
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.019	0.0012	0.0095
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.019	0.0013	0.0095
Methoxychlor	U	0.0016	ug/L	1	.5	0.095	0.0016	0.048
Toxaphene	U	0.032	ug/L	1	1	0.19	0.032	0.095
Tetrachloro-M-Xylene		74.2	%					
Decachlorobiphenyl		70.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
Gamma-BHC	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
Heptachlor	U	0.0016	ug/L	1	.05	0.0098	0.0016	0.0049
Aldrin	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
beta-BHC	U	0.0012	ug/L	1	.05	0.0098	0.0012	0.0049
delta-BHC	U	0.0025	ug/L	1	.05	0.0098	0.0025	0.0049
Heptachlor Epoxide	U	0.0014	ug/L	1	.05	0.0098	0.0014	0.0049
Endosulfan I	U	0.0012	ug/L	1	.05	0.0098	0.0012	0.0049
Gamma-Chlordane	U	0.0012	ug/L	1	.05	0.0098	0.0012	0.0049
Alpha-Chlordane	U	0.0015	ug/L	1	.05	0.0098	0.0015	0.0049
4,4'-DDE	U	0.00096	ug/L	1	.1	0.020	0.00096	0.0098
Dieldrin	U	0.0013	ug/L	1	.1	0.020	0.0013	0.0098
Endrin	U	0.0016	ug/L	1	.1	0.020	0.0016	0.0098
4,4'-DDD	U	0.0018	ug/L	1	.1	0.020	0.0018	0.0098
Endosulfan II	U	0.0011	ug/L	1	.1	0.020	0.0011	0.0098
4,4'-DDT	U	0.0017	ug/L	1	.1	0.020	0.0017	0.0098
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.020	0.0012	0.0098
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.020	0.0013	0.0098
Methoxychlor	U	0.0016	ug/L	1	.5	0.098	0.0016	0.049
Toxaphene	U	0.033	ug/L	1	1	0.20	0.033	0.098
Tetrachloro-M-Xylene		82.6	%					
Decachlorobiphenyl		84.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0014	ug/L	1	.05	0.010	0.0014	0.0050
Gamma-BHC	U	0.0014	ug/L	1	.05	0.010	0.0014	0.0050
Heptachlor	U	0.0016	ug/L	1	.05	0.010	0.0016	0.0050
Aldrin	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
beta-BHC	U	0.0013	ug/L	1	.05	0.010	0.0013	0.0050
delta-BHC	U	0.0026	ug/L	1	.05	0.010	0.0026	0.0050
Heptachlor Epoxide	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
Endosulfan I	U	0.0013	ug/L	1	.05	0.010	0.0013	0.0050
Gamma-Chlordane	U	0.0012	ug/L	1	.05	0.010	0.0012	0.0050
Alpha-Chlordane	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
4,4'-DDE	U	0.00098	ug/L	1	.1	0.020	0.00098	0.010
Dieldrin	U	0.0013	ug/L	1	.1	0.020	0.0013	0.010
Endrin	U	0.0017	ug/L	1	.1	0.020	0.0017	0.010
4,4'-DDD	U	0.0018	ug/L	1	.1	0.020	0.0018	0.010
Endosulfan II	U	0.0011	ug/L	1	.1	0.020	0.0011	0.010
4,4'-DDT	U	0.0018	ug/L	1	.1	0.020	0.0018	0.010
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.020	0.0012	0.010
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.020	0.0013	0.010
Methoxychlor	U	0.0017	ug/L	1	.5	0.10	0.0017	0.050
Toxaphene	U	0.034	ug/L	1	1	0.20	0.034	0.10
Tetrachloro-M-Xylene		85.0	%					
Decachlorobiphenyl		89.0	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 11-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.029	ug/L	1	.5	0.098	0.029	0.049
Aroclor-1221	U	0.039	ug/L	1	.5	0.098	0.039	0.049
Aroclor-1232	U	0.017	ug/L	1	.5	0.098	0.017	0.049
Aroclor-1242	U	0.035	ug/L	1	.5	0.098	0.035	0.049
Aroclor-1248	U	0.039	ug/L	1	.5	0.098	0.039	0.049
Aroclor-1254	U	0.016	ug/L	1	.5	0.098	0.016	0.049
Aroclor-1260	U	0.033	ug/L	1	.5	0.098	0.033	0.049
Tetrachloro-M-Xylene		90.3	%					
Decachlorobiphenyl		96.4	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 11-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.028	ug/L	1	.5	0.095	0.028	0.048
Aroclor-1221	U	0.038	ug/L	1	.5	0.095	0.038	0.048
Aroclor-1232	U	0.017	ug/L	1	.5	0.095	0.017	0.048
Aroclor-1242	U	0.034	ug/L	1	.5	0.095	0.034	0.048
Aroclor-1248	U	0.038	ug/L	1	.5	0.095	0.038	0.048
Aroclor-1254	U	0.016	ug/L	1	.5	0.095	0.016	0.048
Aroclor-1260	U	0.032	ug/L	1	.5	0.095	0.032	0.048
Tetrachloro-M-Xylene		90.5	%					
Decachlorobiphenyl		72.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 11-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.029	ug/L	1	.5	0.096	0.029	0.048
Aroclor-1221	U	0.038	ug/L	1	.5	0.096	0.038	0.048
Aroclor-1232	U	0.017	ug/L	1	.5	0.096	0.017	0.048
Aroclor-1242	U	0.035	ug/L	1	.5	0.096	0.035	0.048
Aroclor-1248	U	0.038	ug/L	1	.5	0.096	0.038	0.048
Aroclor-1254	U	0.016	ug/L	1	.5	0.096	0.016	0.048
Aroclor-1260	U	0.033	ug/L	1	.5	0.096	0.033	0.048
Tetrachloro-M-Xylene		95.8	%					
Decachlorobiphenyl		77.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 11-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.029	ug/L	1	.5	0.098	0.029	0.049
Aroclor-1221	U	0.039	ug/L	1	.5	0.098	0.039	0.049
Aroclor-1232	U	0.017	ug/L	1	.5	0.098	0.017	0.049
Aroclor-1242	U	0.035	ug/L	1	.5	0.098	0.035	0.049
Aroclor-1248	U	0.039	ug/L	1	.5	0.098	0.039	0.049
Aroclor-1254	U	0.016	ug/L	1	.5	0.098	0.016	0.049
Aroclor-1260	U	0.033	ug/L	1	.5	0.098	0.033	0.049
Tetrachloro-M-Xylene		100.	%					
Decachlorobiphenyl		91.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 11-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.030	ug/L	1	.5	0.10	0.030	0.050
Aroclor-1221	U	0.040	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1232	U	0.018	ug/L	1	.5	0.10	0.018	0.050
Aroclor-1242	U	0.036	ug/L	1	.5	0.10	0.036	0.050
Aroclor-1248	U	0.040	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1254	U	0.016	ug/L	1	.5	0.10	0.016	0.050
Aroclor-1260	U	0.034	ug/L	1	.5	0.10	0.034	0.050
Tetrachloro-M-Xylene		102.	%					
Decachlorobiphenyl		104.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-3
Client ID: FD01251101
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 03-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	56.	ug/L	1	500	500	56.	250
o-Terphenyl		97.0	%					
n-Triacontane-D62		103.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-4
Client ID: RB01261101
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 04-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	IV	320	ug/L	1	500	480	54.	240
o-Terphenyl		95.6	%					
n-Triacontane-D62		102.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-1
Client ID: SF-2-MW01-80-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 24-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 03-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	58.	ug/L	1	500	510	58.	260
o-Terphenyl		98.0	%					
n-Triacontane-D62		106.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project: OLF Saufley Field, FL- CTO .
SDG: SF-1

Sample Date: 26-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 04-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJLOQ	ADJMDL	ADJLOD
Petroleum Range Organics	U	54.	ug/L	1	500	480	54.	240
o-Terphenyl		96.7	%					
n-Triacontane-D62		104.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SE0387-2
Client ID: SF-2-MW04-65-1/2011
Project: OLF Saufley Field, FL- CTO.
SDG: SF-1

Sample Date: 25-JAN-11
Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 03-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	55.	ug/L	1	500	480	55.	240
o-Terphenyl		96.8	%					
n-Triacontane-D62		101.	%					

APPENDIX C

SUPPORT DOCUMENTATION



SDG NARRATIVE
 KATAHDIN ANALYTICAL SERVICES
 TETRA TECH NUS
 OLF SAUFLEY FIELD, FL – CTO JM30 SITE 2
 SDG: SF-1
 SE0387
 PROJECT MANAGER: FRANK LESESNE

Sample Receipt

The following samples were received on January 27, 2011 and were logged in under Katahdin Analytical Services work order number SE0387 for a hardcopy due date of February 15, 2011.

KATAHDIN <u>Sample No.</u>	TTNUS <u>Sample Identification</u>
SE0387-1	SF-2-MW01-80-1/2011
SE0387-2	SF-2-MW04-65-1/2011
SE0387-3	FD01251101
SE0387-4	RB01261101
SE0387-5	SF-2-MW03-65-1/2011
SE0387-6	TB01261101

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

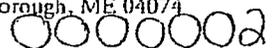
Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Kelly Perkins**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG SF-1 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis.

The sample with the client ID SF-2-MW03-65-1/2011 (laboratory ID SE0387-5) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MS and MSD designation. Therefore, the first three characters ("SF-") in the client ID for this sample were omitted on all forms for the sample, MS, and MSD analyses.





Sample SE0387-5 was used for the matrix spike (MS) and matrix spike duplicate (MSD), as requested by the client.

8270C SCAN Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The initial calibration analyzed on the U instrument on 01/07/11 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analyte atrazine failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This compound was calibrated using the average model. The corresponding independent check standard (file U4248) had low concentrations for the target analytes benzaldehyde and atrazine, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The analyte benzaldehyde is an EPA CLP compound that is very sensitive to the condition of the injection port of the GC/MS instrument. Consequently, the response of this analyte may fluctuate from one analysis to another which may result in high %RSD's for initial calibrations, high %D's for CV's, and low or high recoveries for LCS's.

The CV's (files U4460 and U4487) had low responses for the target analyte benzaldehyde, which resulted in %D's that were greater than the acceptance limit of 20% from DoD QSM Version 4.1.

8270C SIM Analysis

The LCS and LCSD WG87585-2 and WG87585-3 had three and four spiked target analytes, respectively, with recoveries that were high and outside of the laboratory established acceptance limits. The DoD QSM allowable number of exceedances for 18 target analytes is one analyte. Since a high recovery would indicate a high bias and these target analytes were not detected above the MDL in the associated samples, the samples were not reextracted.

The independent check standard (file G0166) associated with the initial calibration on 01/31/11 had low concentrations for the target analytes pyrene and benzo(k)fluoranthene and a high concentration for the target analyte 2-methylnaphthalene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The initial calibration analyzed on the G instrument on 02/03/11 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model

was used for quantitation instead of an average response factor. The target analyte 2-methylnaphthalene failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This compound was calibrated using the average model. The corresponding independent check standard (file G0201) had a low concentration for the target analyte pyrene and a high concentration for the target analyte 1-methylnaphthalene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds and nominal limits for all additional compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long the LCS is acceptable.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The independent check standard (file D9490A), associated with the initial calibration on 01/20/11, had high concentrations for the target analytes dichlorodifluoromethane, vinyl chloride, and isopropylbenzene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL.

The CV (file D9617) had a high response for the target analyte dichlorodifluoromethane, which resulted in a %D that was greater than the acceptance limit of 20% from DoD QSM Version 4.1. Since a high response would indicate a high bias and this analyte was not detected above the MDL in the associated samples, the samples were not reanalyzed.

FLO PRO Analysis

The target analyte petroleum range organics was detected above the MDL, but below the LOQ, in the method blank WG87612-1. According to the DoD QSM section D.1.1.1, a method blank is considered to be contaminated if the concentration of any target analyte in the blank exceeds $\frac{1}{2}$ the reporting limit. The analyte that was also detected in any of the associated samples was flagged with a "V" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

The surrogate, o-terphenyl, and the spike recoveries for all samples and QC were evaluated using method acceptance limits. The surrogate, n-Triacontane-D62, recoveries for all samples and QC were evaluated using laboratory nominal acceptance limits.

8082 Analysis

Surrogate and spike recoveries for all samples and QC were evaluated using laboratory established acceptance limits.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The closing calibration verification standard (CV) (file 7EB015) had a high response for DCB on channel B, which resulted in a %D that was outside of the DoD QSM acceptance limits of 20%. Since the responses were acceptable on channel A, the associated samples were not reanalyzed.

8081 Analysis

Surrogate and spike recoveries for all samples and QC were evaluated using laboratory established acceptance limits.

Samples SE0387-4 and 5 were manually integrated for the surrogate TCX. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The LCS WG87586-2 had high recoveries for the spiked analytes endosulfan I and 4,4'-DDT, and the LCSD WG87586-3 had high recoveries for the spiked analytes heptachlor, endosulfan I, endosulfan II, 4,4'-DDT, endosulfan sulfate and methoxychlor, which were outside the laboratory established acceptance limits. Since high recoveries would indicate a high bias and these analytes were not detected in the associated samples above the MDL, the samples were not reextracted.

The MS WG87586-4 had high recoveries for the spiked analytes endosulfan II, 4,4'-DDT and methoxychlor, and the MSD WG87586-5 had high recoveries for the spiked analytes heptachlor, endosulfan I, endosulfan II, 4,4'-DDT, endosulfan sulfate and methoxychlor, which were outside the laboratory established acceptance limits. Since high recoveries would indicate a high bias and these analytes were not detected in the associated samples above the MDL, the MS/MSD were not reextracted.

Note: The Form VII has a column for %D that is set to 15%. The DoD QSM criterion for a CV is 20%D. All of the compounds in the CV's were evaluated to 20% criteria.

The opening/closing CV (file 1EB00112) had high responses for heptachlor and methoxychlor and a low response for 4,4'-DDD on channel A, which resulted in %D's that were outside of the DoD QSM acceptance limits of 20%. Since the responses were acceptable on channel B, the associated samples were not reanalyzed.

There were no other protocol deviations or observations noted by the organics laboratory staff.



Metals Analysis

The samples of Katahdin SDG SF-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Numbers SE0387-(1-5) were digested for ICP analysis on 02/01/11 (QC Batch BB01ICW0) in accordance with USEPA Method 3010A. Katahdin Sample Number SE0387-005 was digested in duplicate and with a matrix-spiked aliquot.

ICP analyses of Katahdin SDG SF-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recoveries of all analytes in the matrix-spiked aliquots of Katahdin Sample Number SE0387-5 are within the project acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added).

The duplicate analysis of Katahdin Sample Number SE0387-5 is outside the laboratory's acceptance limit (<20% relative difference between duplicate aliquots) for cadmium.

The serial dilution analysis of Katahdin Sample Number SE0387-5 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the LOQ) for all analytes.

Reporting of Metals Results

Analytical results for client samples, matrix QC samples (duplicates and matrix spikes), and batch QC samples (preparation blanks and laboratory control samples) have been reported down to the laboratory's method detection limits (MDLs). These MDLs have been adjusted for each sample based on the sample amounts used in preparation and analysis. Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, MDLs, and PQLs are listed on Form 10 of the accompanying data package.



PROJECT NO: 112602760 Fl. w12	SITE NAME: Saupley Field Site 2	PROJECT MANAGER AND PHONE NUMBER: Frank Lesesne 850-385-9866	LABORATORY NAME AND CONTACT: Katahdin Kelly Perkins 207-874-2400
SAMPLERS (SIGNATURE) 		FIELD OPERATIONS LEADER AND PHONE NUMBER: Amber Igoe 850-322-8033	ADDRESS: 600 Technology Way
		CARRIER/WAYBILL NUMBER: 8684 5094 5519 4 coolers	CITY, STATE: Scarborough, ME 04074

STANDARD TAT <input checked="" type="checkbox"/>	CONTAINER TYPE PLASTIC (P) or GLASS (G)
RUSH TAT <input type="checkbox"/>	PRESERVATIVE USED
<input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day	

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS					COMMENTS
						VOA	PAHs, SVOCs, LLs/VOA	Pest/PCB	FL-Pro	Arsenic, Cadmium, Chromium, Lead Only	
1/24/11	1705	SF-2-mw01-80-1/2011	GW	G	10	3	2	2	2	1	
1/25/11	0850	SF-2-mw04-65-1/2011	GW	G	10	3	2	2	2	1	
1/25/11	6000	FD01251101	GW	G	10	3	2	2	2	1	
1/26/11	0904	RB01261101	QC	G	10	3	2	2	2	1	
1/26/11	1035	SF-2-mw03-65-1/2011	GW	G	19	6	4	4	4	1	
		TB 01261101	QC	G		3					

1. RELINQUISHED BY 	DATE 1/26/11	TIME 1136	1. RECEIVED BY 	DATE 1-27-11	TIME 9:10
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

000013

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Client</u>
Project: <u>Saufley Field</u>	KIMS Entry By: <u>GW</u>	Delivered By: <u>Fed-Ex</u>
KAS Work Order#: <u>SF0387</u>	KIMS Review By:	Received By: <u>GW</u>
SDG #:	Cooler: <u>1</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11 / 09:10</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <u>1.9</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?	✓				
Received in methanol?	✓				
Methanol covering soil?				✓	
7. Trip Blank present in cooler?	✓				
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	✓			✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Client</u>
Project: <u>Saufley Field</u>	KIMS Entry By: <u>GN</u>	Delivered By: <u>Fed-Ex</u>
KAS Work Order#: <u>SE0387</u>	KIMS Review By:	Received By: <u>GN</u>
SDG #:	Cooler: <u>2</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11 / 09:10</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				<u>in cooler</u>
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <u>2.2</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH - pH <2 Sulfide - >9 Cyanide - pH >12	✓			✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Clat</u>
Project: <u>Saufley Field</u>	KIMS Entry By: <u>GN</u>	Delivered By: <u>Fed-Ex</u>
KAS Work Order#: <u>SE 0387</u>	KIMS Review By:	Received By: <u>GN</u>
SDG #:	Cooler: <u>3</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11/09:10</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				<u>in cooler 1</u>
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <u>1.8</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	✓			✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Client</u>
Project: <u>Sauflay Field</u>	KIMS Entry By: <u>GN</u>	Delivered By: <u>Fed Ex</u>
KAS Work Order#: <u>SE0387</u>	KIMS Review By:	Received By: <u>GN</u>
SDG #:	Cooler: <u>4</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11 / 09:10</u> <u>GN</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	/				
2. Chain of Custody present in cooler?	/				in cooler
3. Chain of Custody signed by client?	/				
4. Chain of Custody matches samples?	/				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR.gun.	/				Temp (°C): <u>1.1</u>
Samples received at <6 °C w/o freezing?	/				Note: Not required for metals analysis.
Ice packs or ice present?	/				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				/	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?				/	
Received in methanol?				/	
Methanol covering soil?				/	
7. Trip Blank present in cooler?				/	
8. Proper sample containers and volume?	/				
9. Samples within hold time upon receipt?	/				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	/			/	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

HOLDTIME

SDG SF-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	RB01261101	SE0387-004	NM	01/26/2011	02/01/2011	02/03/2011	6	2	8
M	UG/L	SF-2-MW01-80-1/2011	SE0387-001	NM	01/24/2011	02/01/2011	02/03/2011	8	2	10
M	UG/L	SF-2-MW03-65-1/2011	SE0387-005	NM	01/26/2011	02/01/2011	02/03/2011	6	2	8
M	UG/L	SF-2-MW04-65-1/2011	SE0387-002	NM	01/25/2011	02/01/2011	02/03/2011	7	2	9
M	UG/L	FD01251101	SE0387-003	NM	01/25/2011	02/01/2011	02/03/2011	7	2	9
OS	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	SF-2-MW04-65-1/2011	SE0387-2	SUR	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	SF-2-MW03-65-1/2011	SE0387-5	SUR	01/26/2011	01/28/2011	01/31/2011	2	3	5
OS	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	01/31/2011	2	3	5
OS	%	SF-2-MW01-80-1/2011	SE0387-1	SUR	01/24/2011	01/28/2011	01/28/2011	4	0	4
OS	%	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	FD01251101	SE0387-3	SUR	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	01/28/2011	2	0	2
OS	%	RB01261101	SE0387-4	SUR	01/26/2011	01/28/2011	01/28/2011	2	0	2
OS	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	01/28/2011	4	0	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	01/31/2011	2	3	5
OS	UG/L	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	UG/L	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	UG/L	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	01/28/2011	4	0	4
OS	UG/L	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	01/28/2011	2	0	2
OV	%	RB01261101	SE0387-4	SUR	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	%	TB01261101	SE0387-6	SUR	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	%	SF-2-MW04-65-1/2011	SE0387-2	SUR	01/25/2011	01/27/2011	01/27/2011	2	0	2
OV	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/27/2011	01/27/2011	2	0	2
OV	%	SF-2-MW03-65-1/2011	SE0387-5	SUR	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	%	FD01251101	SE0387-3	NM	01/25/2011	01/27/2011	01/27/2011	2	0	2
OV	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/27/2011	01/27/2011	3	0	3
OV	%	RB01261101	SE0387-4	NM	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	%	FD01251101	SE0387-3	SUR	01/25/2011	01/27/2011	01/27/2011	2	0	2
OV	%	TB01261101	SE0387-6	NM	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	%	SF-2-MW01-80-1/2011	SE0387-1	SUR	01/24/2011	01/27/2011	01/27/2011	3	0	3
OV	UG/L	TB01261101	SE0387-6	NM	01/26/2011	01/27/2011	01/27/2011	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	FD01251101	SE0387-3	NM	01/25/2011	01/27/2011	01/27/2011	2	0	2
OV	UG/L	RB01261101	SE0387-4	NM	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	UG/L	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/27/2011	01/27/2011	3	0	3
OV	UG/L	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/27/2011	01/27/2011	1	0	1
OV	UG/L	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/27/2011	01/27/2011	2	0	2
SIM	%	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/03/2011	2	6	8
SIM	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	01/31/2011	4	3	7
SIM	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/03/2011	2	6	8
SIM	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	01/31/2011	3	3	6
SIM	%	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/03/2011	3	6	9
SIM	UG/L	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	01/31/2011	4	3	7
SIM	UG/L	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/03/2011	3	6	9
SIM	UG/L	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	01/31/2011	3	3	6
SIM	UG/L	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/03/2011	2	6	8
SIM	UG/L	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/03/2011	2	6	8
PCB	%	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/01/2011	2	4	6
PCB	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	02/01/2011	4	4	8
PCB	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/01/2011	2	4	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	02/01/2011	3	4	7
PCB	%	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/01/2011	3	4	7
PCB	UG/L	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	02/01/2011	4	4	8
PCB	UG/L	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/01/2011	2	4	6
PCB	UG/L	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/01/2011	2	4	6
PCB	UG/L	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/01/2011	3	4	7
PCB	UG/L	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	02/01/2011	3	4	7
PEST	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	02/07/2011	3	10	13
PEST	%	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/07/2011	3	10	13
PEST	%	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/07/2011	2	10	12
PEST	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	02/07/2011	4	10	14
PEST	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/07/2011	2	10	12
PEST	UG/L	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	02/07/2011	3	10	13
PEST	UG/L	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/07/2011	2	10	12
PEST	UG/L	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	02/07/2011	4	10	14
PEST	UG/L	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/07/2011	3	10	13
PEST	UG/L	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/07/2011	2	10	12
TPH	%	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/03/2011	3	6	9

SORT	UNITS	NSAMPLE	LAB ID	QC TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	%	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/04/2011	2	7	9
TPH	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	02/03/2011	4	6	10
TPH	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/04/2011	2	7	9
TPH	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	02/03/2011	3	6	9
TPH	UG/L	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	02/03/2011	3	6	9
TPH	UG/L	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	02/03/2011	3	6	9
TPH	UG/L	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	02/04/2011	2	7	9
TPH	UG/L	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	02/03/2011	4	6	10
TPH	UG/L	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	02/04/2011	2	7	9

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: DB575 BFB Injection Date: 01/20/11

Instrument ID: GCMS-D BFB Injection Time: 0745

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	87.5
175	5.0 - 9.0% of mass 174	5.9 (6.7)1
176	95.0 - 101.0% of mass 174	86.4 (98.8)1
177	5.0 - 9.0% of mass 176	5.6 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200D20A	D9484	01/20/11	0811
02		VSTD100D20A	D9485	01/20/11	0843
03		VSTD050D20A	D9486	01/20/11	0916
04		VSTD020D20A	D9487	01/20/11	0948
05		VSTD005D20A	D9488	01/20/11	1021
06		VSTD001D20A	D9489	01/20/11	1053
07		INDCHECK	D9490A	01/20/11	1147
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-D Calibration Date(s): 01/20/11 01/20/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0811 1053

LAB FILE ID: RF1: D9489 RF5: D9488 RF20: D9487
RF50: D9486 RF100: D9485 RF200: D9484

COMPOUND	COEFFICIENTS							CURVE	%RSD		MAX %RSD
	RF1	RF5	RF20	RF50	RF100	RF200	A0		A1	OR R^2	
Dichlorodifluoromethane	0.406	0.330	0.368	0.349	0.370	0.364	AVRG	0.36446318	6.907	15.000	
Chloromethane	0.793	0.668	0.654	0.630	0.628	0.560	AVRG	0.65543528	11.748	15.000	
Vinyl chloride	0.596	0.490	0.496	0.483	0.500	0.476	AVRG	0.50673657	8.842	15.000	
Bromomethane	0.381	0.281	0.256	0.270	0.285	0.305	AVRG	0.29620485	15.093	15.000	<-
Chloroethane	0.365	0.341	0.351	0.332	0.342	0.320	AVRG	0.34181451	4.570	15.000	
Trichlorofluoromethane	0.871	0.678	0.744	0.726	0.772	0.814	AVRG	0.76757515	8.878	15.000	
1,1-Dichloroethene	0.407	0.360	0.374	0.371	0.388	0.383	AVRG	0.38060378	4.223	15.000	
Carbon Disulfide	1.498	1.303	1.412	1.414	1.489	1.458	AVRG	1.42917689	4.996	15.000	
Methylene Chloride	0.621	0.471	0.474	0.461	0.476	0.469	AVRG	0.49548138	12.489	15.000	
Acetone	0.159	0.152	0.156	0.161	0.168	0.162	AVRG	0.15974973	3.425	15.000	
trans-1,2-Dichloroethene	0.501	0.443	0.460	0.459	0.463	0.464	AVRG	0.46500653	4.173	15.000	
Methyl tert-butyl ether	0.884	1.128	1.253	1.273	1.364	1.345	AVRG	1.20795201	14.861	15.000	
1,1-Dichloroethane	1.000	0.873	0.893	0.881	0.907	0.899	AVRG	0.90892253	5.113	15.000	
cis-1,2-Dichloroethene	0.509	0.465	0.469	0.462	0.481	0.473	AVRG	0.47659919	3.606	15.000	
Bromochloromethane	0.242	0.225	0.238	0.228	0.233	0.226	AVRG	0.23210675	3.045	15.000	
Chloroform	0.876	0.845	0.853	0.847	0.870	0.874	AVRG	0.86087512	1.669	15.000	
Carbon Tetrachloride	0.450	0.397	0.439	0.426	0.459	0.466	AVRG	0.43940970	5.661	15.000	
1,1,1-Trichloroethane	0.789	0.722	0.771	0.773	0.822	0.838	AVRG	0.78580080	5.264	15.000	
2-Butanone	0.195	0.214	0.241	0.246	0.256	0.242	AVRG	0.23225275	9.865	15.000	
Benzene	1.390	1.278	1.284	1.269	1.286	1.221	AVRG	1.28789582	4.300	15.000	
1,2-Dichloroethane	0.557	0.477	0.498	0.490	0.505	0.501	AVRG	0.50468956	5.460	15.000	
Trichloroethene	0.347	0.329	0.325	0.313	0.323	0.331	AVRG	0.32803176	3.449	15.000	
1,2-Dichloropropane	0.346	0.304	0.323	0.321	0.330	0.324	AVRG	0.32481779	4.141	15.000	
Bromodichloromethane	0.429	0.408	0.444	0.443	0.464	0.470	AVRG	0.44303549	5.106	15.000	
cis-1,3-dichloropropane	0.448	0.464	0.536	0.547	0.571	0.568	AVRG	0.52226447	10.188	15.000	
Toluene	0.846	0.802	0.827	0.804	0.821	0.803	AVRG	0.81715185	2.173	15.000	
4-methyl-2-pentanone	0.260	0.306	0.354	0.342	0.343	0.303	AVRG	0.31807428	11.043	15.000	
Tetrachloroethene	0.382	0.296	0.295	0.284	0.290	0.279	AVRG	0.30421050	12.677	15.000	
trans-1,3-Dichloropropene	0.377	0.404	0.465	0.487	0.520	0.524	AVRG	0.46280687	13.107	15.000	
1,1,2-Trichloroethane	0.250	0.223	0.236	0.229	0.237	0.233	AVRG	0.23441829	3.954	15.000	
Dibromochloromethane	0.294	0.291	0.325	0.337	0.356	0.356	AVRG	0.32656665	8.885	15.000	
1,2-Dibromoethane	0.287	0.258	0.292	0.292	0.304	0.305	AVRG	0.28967586	5.962	15.000	
2-Hexanone	14886	94457	493330	1241600	2562700	4574200	LINR	-0.1439196	4.40585505	0.99640	0.99000
Chlorobenzene	1.123	0.911	0.917	0.896	0.932	0.896	AVRG	0.94597809	9.297	15.000	
Ethylbenzene	0.539	0.478	0.496	0.487	0.513	0.507	AVRG	0.50348540	4.340	15.000	
m+p-Xylenes	0.643	0.586	0.622	0.610	0.639	0.609	AVRG	0.61818608	3.450	15.000	
o-Xylene	0.525	0.524	0.584	0.596	0.631	0.626	AVRG	0.58079589	8.140	15.000	
Styrene	0.740	0.813	0.984	0.998	1.070	1.047	AVRG	0.94213572	14.217	15.000	
Bromoform	0.219	0.203	0.239	0.249	0.271	0.277	AVRG	0.24291643	11.789	15.000	
Isopropylbenzene	1.951	1.988	2.196	2.108	2.145	2.031	AVRG	2.07004270	4.590	15.000	
1,1,2,2-Tetrachloroethane	0.654	0.588	0.620	0.589	0.597	0.579	AVRG	0.60478318	4.620	15.000	
1,3-Dichlorobenzene	1.490	1.299	1.355	1.299	1.330	1.284	AVRG	1.34285015	5.694	15.000	
1,4-Dichlorobenzene	1.738	1.386	1.393	1.349	1.381	1.332	AVRG	1.42995144	10.696	15.000	
1,2-Dichlorobenzene	1.366	1.225	1.307	1.267	1.296	1.247	AVRG	1.28467036	3.893	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-D Calibration Date(s): 01/20/11 01/20/11

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0811 1053

LAB FILE ID: RF1: D9489 RF5: D9488 RF20: D9487
RF50: D9486 RF100: D9485 RF200: D9484

COMPOUND							CURVE		COEFFICIENTS		%RSD	MAX %RSD
	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2		
1,2-Dibromo-3-Chloropropa	1092	5669	29639	76809	185360	353600	LINR	1.435e-002	7.64373347	0.99845	0.99000	
1,2,4-Trichlorobenzene	0.953	0.900	1.005	0.973	0.965	0.931	AVRG		0.95444107	3.767	15.000	
1,2,3-Trichlorobenzene	0.893	0.870	0.916	0.883	0.862	0.809	AVRG		0.87224131	4.134	15.000	
Freon-113	0.244	0.317	0.313	0.302	0.317	0.317	AVRG		0.30171377	9.516	15.000	
Cyclohexane	0.826	0.707	0.826	0.824	0.861	0.841	AVRG		0.81420202	6.687	15.000	
Methyl Acetate	3233	25077	115660	278420	601440	1085600	LINR	-5.59e-003	2.42826901	0.99879	0.99000	
Methylcyclohexane	6436	45882	202640	500540	1081300	2044400	LINR	1.263e-002	1.29694636	0.99967	0.99000	
Dibromofluoromethane	0.560	0.400	0.422	0.436	0.442	0.451	AVRG		0.45201977	12.399	15.000	
1,2-Dichloroethane-D4	0.811	0.581	0.594	0.606	0.616	0.628	AVRG		0.63949565	13.395	15.000	
Toluene-D8	1.294	1.047	1.064	1.078	1.064	1.039	AVRG		1.09766158	8.851	15.000	
P-Bromofluorobenzene	0.490	0.418	0.446	0.462	0.481	0.502	AVRG		0.46674713	6.658	15.000	

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: DB581 BFB Injection Date: 01/27/11

Instrument ID: GCMS-D BFB Injection Time: 0922

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.7
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	92.0
175	5.0 - 9.0% of mass 174	6.3 (6.9)1
176	95.0 - 101.0% of mass 174	92.2 (100.2)1
177	5.0 - 9.0% of mass 176	6.8 (7.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050D27A	D9617	01/27/11	0947
02	WG87577-LCS	WG87577-1	D9618	01/27/11	1037
03	WG87577-BLANK	WG87577-2	D9620	01/27/11	1159
04	TB01261101	SE0387-6	D9629	01/27/11	1735
05	SF-2-MW01-80-1/2011	SE0387-1	D9630	01/27/11	1806
06	SF-2-MW04-65-1/2011	SE0387-2	D9631	01/27/11	1839
07	FD01251101	SE0387-3	D9632	01/27/11	1911
08	RB01261101	SE0387-4	D9633	01/27/11	1943
09	2-MW03-65-1/2011	SE0387-5	D9634	01/27/11	2016
10	2-MW03-65-1/2011MS	WG87577-3	D9635	01/27/11	2048
11	2-MW03-65-1/2011MSD	WG87577-4	D9636	01/27/11	2120
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-D Calibration Date: 01/27/11 Time: 0947

Lab File ID: D9617 Init. Calib. Date(s): 01/20/11 01/20/11

Init. Calib. Times: 0811 1053

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.3640000	0.4495300	0.4495300	0.01	23.50	20.00	AVRG <-
Chloromethane	0.6560000	0.5672000	0.5672000	0.1	-13.54	20.00	AVRG
Vinyl chloride	0.5070000	0.4897800	0.4897800	0.01	-3.40	20.00	AVRG
Bromomethane	0.2960000	0.2550700	0.2550700	0.01	-13.83	20.00	AVRG
Chloroethane	0.3420000	0.3335600	0.3335600	0.01	-2.47	20.00	AVRG
Trichlorofluoromethane	0.7580000	0.7812600	0.7812600	0.01	1.73	20.00	AVRG
1,1-Dichloroethene	0.3800000	0.3263900	0.3263900	0.1	-14.11	20.00	AVRG
Carbon Disulfide	1.4290000	1.2563000	1.2563000	0.01	-12.08	20.00	AVRG
Methylene Chloride	0.4950000	0.4210600	0.4210600	0.01	-14.94	20.00	AVRG
Acetone	0.1600000	0.1612600	0.1612600	0.01	0.79	20.00	AVRG
trans-1,2-Dichloroethene	0.4650000	0.4022600	0.4022600	0.01	-13.49	20.00	AVRG
Methyl tert-butyl ether	1.2080000	1.1417000	1.1417000	0.01	-5.49	20.00	AVRG
1,1-Dichloroethane	0.9090000	0.8202900	0.8202900	0.1	-9.76	20.00	AVRG
cis-1,2-Dichloroethene	0.4760000	0.4212300	0.4212300	0.01	-11.51	20.00	AVRG
Bromochloromethane	0.2320000	0.2229900	0.2229900	0.01	-3.88	20.00	AVRG
Chloroform	0.8610000	0.8306600	0.8306600	0.01	-3.52	20.00	AVRG
Carbon Tetrachloride	0.4400000	0.4546600	0.4546600	0.01	3.33	20.00	AVRG
1,1,1-Trichloroethane	0.7860000	0.7874100	0.7874100	0.01	0.18	20.00	AVRG
2-Butanone	0.2320000	0.2319400	0.2319400	0.01	-0.02	20.00	AVRG
Benzene	1.2880000	1.2072000	1.2072000	0.01	-6.27	20.00	AVRG
1,2-Dichloroethane	0.5050000	0.5280300	0.5280300	0.01	4.56	20.00	AVRG
Trichloroethene	0.3280000	0.3096400	0.3096400	0.01	-5.60	20.00	AVRG
1,2-Dichloropropane	0.3250000	0.3003400	0.3003400	0.01	-7.59	20.00	AVRG
Bromodichloromethane	0.4430000	0.4540600	0.4540600	0.01	2.50	20.00	AVRG
cis-1,3-dichloropropene	0.5220000	0.5296300	0.5296300	0.01	1.46	20.00	AVRG
Toluene	0.8170000	0.7771100	0.7771100	0.01	-4.88	20.00	AVRG
4-methyl-2-pentanone	0.3180000	0.3244000	0.3244000	0.01	2.01	20.00	AVRG
Tetrachloroethene	0.3040000	0.2892600	0.2892600	0.01	-4.85	20.00	AVRG
trans-1,3-Dichloropropene	0.4630000	0.4842200	0.4842200	0.01	4.58	20.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-D Calibration Date: 01/27/11 Time: 0947

Lab File ID: D9617 Init. Calib. Date(s): 01/20/11 01/20/11

Init. Calib. Times: 0811 1053

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,1,2-Trichloroethane	0.2350000	0.2290400	0.2290400	0.01	-2.54	20.00	AVRG
Dibromochloromethane	0.3260000	0.3460100	0.3460100	0.01	6.14	20.00	AVRG
1,2-Dibromoethane	0.2900000	0.2845600	0.2845600	0.01	-1.88	20.00	AVRG
2-Hexanone	251.54000	250.00000	0.2349000	0.01	0.62	20.00	LINR
Chlorobenzene	0.9460000	0.9135700	0.9135700	0.3	-3.43	20.00	AVRG
Ethylbenzene	0.5030000	0.4965400	0.4965400	0.01	-1.28	20.00	AVRG
m+p-Xylenes	0.6180000	0.6248700	0.6248700	0.01	1.11	20.00	AVRG
o-Xylene	0.5810000	0.5917400	0.5917400	0.01	1.85	20.00	AVRG
Styrene	0.9420000	0.9980400	0.9980400	0.01	5.95	20.00	AVRG
Bromoform	0.2430000	0.2565300	0.2565300	0.1	5.57	20.00	AVRG
Isopropylbenzene	2.0700000	2.1417000	2.1417000	0.01	3.46	20.00	AVRG
1,1,2,2-Tetrachloroethane	0.6040000	0.5822800	0.5822800	0.3	-3.60	20.00	AVRG
1,3-Dichlorobenzene	1.3430000	1.3506000	1.3506000	0.01	0.56	20.00	AVRG
1,4-Dichlorobenzene	1.4300000	1.4154000	1.4154000	0.01	-1.02	20.00	AVRG
1,2-Dichlorobenzene	1.2850000	1.3178000	1.3178000	0.01	2.55	20.00	AVRG
1,2-Dibromo-3-Chloropropane	50.474000	50.000000	0.1301900	0.01	0.95	20.00	LINR
1,2,4-Trichlorobenzene	0.9540000	1.0046000	1.0046000	0.01	5.30	20.00	AVRG
1,2,3-Trichlorobenzene	0.8720000	0.8892900	0.8892900	0.01	1.98	20.00	AVRG
Freon-113	0.3020000	0.2691700	0.2691700	0.01	-10.87	20.00	AVRG
Cyclohexane	0.8140000	0.7285400	0.7285400	0.01	-10.50	20.00	AVRG
Methyl Acetate	40.829000	50.000000	0.3385800	0.01	-18.34	20.00	LINR
Methylcyclohexane	39.931000	50.000000	0.6060300	0.01	-20.14	20.00	LINR <-
Dibromofluoromethane	0.4520000	0.4192600	0.4192600	0.01	-7.24	20.00	AVRG
1,2-Dichloroethane-D4	0.6390000	0.5943200	0.5943200	0.01	-6.99	20.00	AVRG
Toluene-D8	1.0980000	1.0509000	1.0509000	0.01	-4.29	20.00	AVRG
P-Bromofluorobenzene	0.4660000	0.5044900	0.5044900	0.01	8.26	20.00	AVRG

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG87577-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30

SDG No.: SF-1

Lab File ID: D9620

Lab Sample ID: WG87577-2

Date Analyzed: 01/27/11

Time Analyzed: 1159

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: GCMS-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG87577-LCS	WG87577-1	D9618	01/27/11	1037
02	TB01261101	SE0387-6	D9629	01/27/11	1735
03	SF-2-MW01-80-1/2011	SE0387-1	D9630	01/27/11	1806
04	SF-2-MW04-65-1/2011	SE0387-2	D9631	01/27/11	1839
05	FD01251101	SE0387-3	D9632	01/27/11	1911
06	RB01261101	SE0387-4	D9633	01/27/11	1943
07	2-MW03-65-1/2011	SE0387-5	D9634	01/27/11	2016
08	2-MW03-65-1/2011MS	WG87577-3	D9635	01/27/11	2048
09	2-MW03-65-1/2011MSD	WG87577-4	D9636	01/27/11	2120
10					
11					
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30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG87577-2
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-feb-2011 12:07

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50

Report of Analytical Results

Client:
Lab ID: WG87577-2
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-feb-2011 12:07

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJLOQ	ADJMDL	ADJLOD
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
P-Bromofluorobenzene		104.	%					
Toluene-d8		97.8	%					
1,2-Dichloroethane-d4		92.5	%					
Dibromofluoromethane		91.6	%					

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG87577-LCS	WG87577-1	91	90	97	108	0
02	WG87577-BLANK	WG87577-2	92	92	98	104	0
03	TB01261101	SE0387-6	90	89	97	104	0
04	SF-2-MW01-80-1/2011	SE0387-1	91	91	97	103	0
05	SF-2-MW04-65-1/2011	SE0387-2	92	92	97	103	0
06	FD01251101	SE0387-3	92	91	96	103	0
07	RB01261101	SE0387-4	92	92	96	103	0
08	2-MW03-65-1/2011	SE0387-5	92	94	95	101	0
09	2-MW03-65-1/2011MS	WG87577-3	89	91	96	110	0
10	2-MW03-65-1/2011MSD	WG87577-4	89	89	95	109	0
11							
12							
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QC LIMITS

- SMC1 (DBF) = Dibromofluoromethane (68-128)
- SMC2 (DCA) = 1,2-Dichloroethane-D4 (67-135)
- SMC3 (TOL) = Toluene-D8 (65-128)
- SMC4 (BFB) = P-Bromofluorobenzene (56-133)

Column to be used to flag recovery values
J Values outside of contract required QC limits
D System Monitoring Compound diluted out

LCS Recovery Report

Client:
Lab ID: WG87577-1
Client ID: LCS
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-feb-2011 12:06

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	161.	50.0	80.4	ug/L	29-164
Chloromethane	100.	50.0	50.2	ug/L	59-123
Vinyl Chloride	110.	50.0	55.2	ug/L	64-131
Bromomethane	102.	50.0	51.2	ug/L	57-135
Chloroethane	103.	50.0	51.3	ug/L	53-157
Trichlorofluoromethane	104.	50.0	51.9	ug/L	70-149
1,1-Dichloroethene	95.6	50.0	47.8	ug/L	88-127
Carbon Disulfide	76.0	50.0	38.0	ug/L	71-129
Methylene Chloride	90.6	50.0	45.3	ug/L	72-129
Acetone	105.	50.0	52.4	ug/L	62-172
trans-1,2-Dichloroethene	90.8	50.0	45.4	ug/L	78-125
Methyl tert-butyl Ether	94.8	100.	94.8	ug/L	81-125
1,1-Dichloroethane	96.0	50.0	48.0	ug/L	76-130
cis-1,2-Dichloroethene	97.8	50.0	48.9	ug/L	85-123
Bromochloromethane	99.2	50.0	49.6	ug/L	85-117
Chloroform	102.	50.0	51.2	ug/L	78-128
Carbon Tetrachloride	107.	50.0	53.6	ug/L	87-126
1,1,1-Trichloroethane	103.	50.0	51.3	ug/L	77-129
2-Butanone	99.8	50.0	49.9	ug/L	71-132
Benzene	97.2	50.0	48.6	ug/L	86-116
1,2-Dichloroethane	108.	50.0	53.9	ug/L	81-125
Trichloroethene	97.6	50.0	48.8	ug/L	79-121
1,2-Dichloropropane	98.2	50.0	49.1	ug/L	84-118
Bromodichloromethane	106.	50.0	52.9	ug/L	85-122
cis-1,3-Dichloropropene	104.	50.0	52.1	ug/L	83-119
Toluene	97.2	50.0	48.6	ug/L	84-118
4-Methyl-2-Pentanone	99.6	50.0	49.8	ug/L	83-122
Tetrachloroethene	97.4	50.0	48.7	ug/L	47-155
trans-1,3-Dichloropropene	118.	50.0	59.0	ug/L	85-135
1,1,2-Trichloroethane	99.8	50.0	49.9	ug/L	84-115
Dibromochloromethane	109.	50.0	54.4	ug/L	85-119
1,2-Dibromoethane	102.	50.0	50.9	ug/L	84-116
2-Hexanone	82.8	50.0	41.4	ug/L	80-124
Chlorobenzene	99.8	50.0	49.9	ug/L	89-113
Ethylbenzene	98.2	50.0	49.1	ug/L	88-113

LCS Recovery Report

Client:
Lab ID: WG87577-1
Client ID: LCS
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 14-feb-2011 12:06

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
m+p-Xylenes	102.	100.	102.	ug/L	88-116
o-Xylene	104.	50.0	51.9	ug/L	90-116
Styrene	108.	50.0	54.2	ug/L	88-117
Bromoform	108.	50.0	53.8	ug/L	86-117
Isopropylbenzene	120.	50.0	60.2	ug/L	96-136
1,1,2,2-Tetrachloroethane	99.8	50.0	49.9	ug/L	79-121
1,3-Dichlorobenzene	103.	50.0	51.3	ug/L	86-110
1,4-Dichlorobenzene	101.	50.0	50.5	ug/L	86-111
1,2-Dichlorobenzene	105.	50.0	52.5	ug/L	86-112
1,2-Dibromo-3-Chloropropane	106.	50.0	53.1	ug/L	67-124
1,2,4-Trichlorobenzene	112.	50.0	56.2	ug/L	76-126
1,2,3-Trichlorobenzene	107.	50.0	53.6	ug/L	70-122
Freon-113	87.6	50.0	43.8	ug/L	73-126
Cyclohexane	91.2	50.0	45.6	ug/L	71-133
Methyl acetate	86.0	50.0	43.0	ug/L	70-132
Methylcyclohexane	79.4	50.0	39.7	ug/L	73-125
P-Bromofluorobenzene	108.				56-133
Toluene-d8	97.2				65-128
1,2-Dichloroethane-d4	90.2				67-135
Dibromofluoromethane	91.1				68-128

MS/MSD Recovery Report

MS ID: WG87577-3
 MSD ID: WG87577-4
 Sample ID: SE0387-5
 Client ID: SF-2-MW03-65-1/2011
 Project:
 SDG: SF-1

Received Date: 27-JAN-11
 Extract Date: NONE
 Extracted By: DJP
 Extraction Method:
 Lab Prep Batch: WG87577
 Report Date: 14-feb-2011 12:07

Analysis Date: 27-JAN-11
 Analyst: DJP
 Analysis Method: SW846 8260B
 Matrix: AQ
 % Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Dichlorodifluoromethane	50.0	50.0	ug/L	U0.24	J89.	J92.	178.	184.	4	20	29-164
Chloromethane	50.0	50.0	ug/L	U0.36	50.	53.	99.6	107.	7	20	59-123
Vinyl Chloride	50.0	50.0	ug/L	U0.25	62.	63.	123.	126.	2	20	64-131
Bromomethane	50.0	50.0	ug/L	U0.49	52.	57.	103.	115.	11	20	57-135
Chloroethane	50.0	50.0	ug/L	U0.55	55.	56.	110.	112.	2	20	53-157
Trichlorofluoromethane	50.0	50.0	ug/L	U0.24	59.	60.	119.	120.	1	20	70-149
1,1-Dichloroethene	50.0	50.0	ug/L	U0.35	51.	54.	102.	107.	4	20	88-127
Carbon Disulfide	50.0	50.0	ug/L	U0.25	41.	42.	81.6	84.8	4	20	71-129
Methylene Chloride	50.0	50.0	ug/L	U1.1	45.	47.	89.6	94.0	5	20	72-129
Acetone	50.0	50.0	ug/L	U2.2	41.	41.	81.2	82.8	2	20	62-172
trans-1,2-Dichloroethene	50.0	50.0	ug/L	U0.25	47.	50.	94.4	99.8	6	20	78-125
Methyl tert-butyl Ether	100.	100.	ug/L	U0.36	89.	94.	88.7	94.4	6	20	81-125
1,1-Dichloroethane	50.0	50.0	ug/L	U0.21	49.	51.	98.8	102.	3	20	76-130
cis-1,2-Dichloroethene	50.0	50.0	ug/L	U0.21	51.	52.	101.	104.	2	20	85-123
Bromochloromethane	50.0	50.0	ug/L	U0.21	52.	52.	104.	103.	0	20	85-117
Chloroform	50.0	50.0	ug/L	U0.32	53.	53.	106.	106.	0	20	78-128
Carbon Tetrachloride	50.0	50.0	ug/L	U0.22	60.	60.	119.	120.	0	20	87-126
1,1,1-Trichloroethane	50.0	50.0	ug/L	U0.20	55.	56.	110.	111.	1	20	77-129
2-Butanone	50.0	50.0	ug/L	U1.3	44.	45.	88.0	90.6	3	20	71-132
Benzene	50.0	50.0	ug/L	U0.26	51.	52.	101.	104.	2	20	86-116
1,2-Dichloroethane	50.0	50.0	ug/L	U0.20	55.	55.	111.	110.	0	20	81-125
Trichloroethene	50.0	50.0	ug/L	U0.28	53.	53.	106.	106.	0	20	79-121
1,2-Dichloropropane	50.0	50.0	ug/L	U0.25	49.	51.	98.8	101.	2	20	84-118
Bromodichloromethane	50.0	50.0	ug/L	U0.33	55.	54.	110.	109.	1	20	85-122
cis-1,3-Dichloropropene	50.0	50.0	ug/L	U0.19	49.	51.	98.6	101.	3	20	83-119
Toluene	50.0	50.0	ug/L	U0.27	52.	52.	104.	105.	1	20	84-118
4-Methyl-2-Pentanone	50.0	50.0	ug/L	U1.3	47.	49.	94.8	97.6	3	20	83-122
Tetrachloroethene	50.0	50.0	ug/L	U0.40	52.	53.	105.	105.	0	20	47-155
trans-1,3-Dichloropropene	50.0	50.0	ug/L	U0.20	58.	58.	116.	117.	1	20	85-135
1,1,2-Trichloroethane	50.0	50.0	ug/L	U0.33	51.	50.	102.	101.	1	20	84-115
Dibromochloromethane	50.0	50.0	ug/L	U0.30	55.	55.	110.	110.	0	20	85-119
1,2-Dibromoethane	50.0	50.0	ug/L	U0.22	51.	51.	102.	102.	0	20	84-116
2-Hexanone	50.0	50.0	ug/L	U1.7	J36.	J38.	72.0	75.8	5	20	80-124
Chlorobenzene	50.0	50.0	ug/L	U0.22	51.	52.	103.	105.	2	20	89-113

MS/MSD Recovery Report

MS ID: WG87577-3
MSD ID: WG87577-4
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: NONE
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG87577
Report Date: 14-feb-2011 12:07

Analysis Date: 27-JAN-11
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Ethylbenzene	50.0	50.0	ug/L	U0.21	52.	53.	104.	106.	2	20	88-113
m+p-Xylenes	100.	100.	ug/L	U0.59	110	110	109.	109.	0	20	88-116
o-Xylene	50.0	50.0	ug/L	U0.25	54.	55.	109.	109.	0	20	90-116
Styrene	50.0	50.0	ug/L	U0.23	56.	56.	112.	113.	1	20	88-117
Bromoform	50.0	50.0	ug/L	U0.23	55.	54.	109.	109.	0	20	86-117
Isopropylbenzene	50.0	50.0	ug/L	U0.23	64.	64.	128.	129.	1	20	96-136
1,1,2,2-Tetrachloroethane	50.0	50.0	ug/L	U0.38	49.	50.	98.6	100.	1	20	79-121
1,3-Dichlorobenzene	50.0	50.0	ug/L	U0.26	53.	54.	107.	108.	1	20	86-110
1,4-Dichlorobenzene	50.0	50.0	ug/L	U0.24	52.	53.	105.	106.	1	20	86-111
1,2-Dichlorobenzene	50.0	50.0	ug/L	U0.15	53.	54.	107.	109.	2	20	86-112
1,2-Dibromo-3-Chloropropane	50.0	50.0	ug/L	U0.50	51.	53.	102.	107.	4	20	67-124
1,2,4-Trichlorobenzene	50.0	50.0	ug/L	U0.37	56.	57.	112.	114.	2	20	76-126
1,2,3-Trichlorobenzene	50.0	50.0	ug/L	U0.20	52.	53.	104.	107.	2	20	70-122
Freon-113	50.0	50.0	ug/L	U0.31	49.	48.	98.2	96.8	1	20	73-126
Cyclohexane	50.0	50.0	ug/L	U0.31	51.	53.	102.	105.	3	20	71-133
Methyl acetate	50.0	50.0	ug/L	U0.53	36.	38.	72.4	75.2	4	20	70-132
Methylcyclohexane	50.0	50.0	ug/L	U0.30	45.	45.	89.4	89.2	0	20	73-125
P-Bromofluorobenzene							110.	109.			56-133
Toluene-d8							95.7	95.3			65-128
1,2-Dichloroethane-d4							91.1	89.3			67-135
Dibromofluoromethane							89.5	89.1			68-128

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): D9486 Date Analyzed: 01/20/11

Instrument ID: GCMS-D Time Analyzed: 0916

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		689459	8.22	1042580	8.87	1020357	12.36
UPPER LIMIT		1378918	8.72	2085160	9.37	2040714	12.86
LOWER LIMIT		344730	7.72	521290	8.37	510179	11.86
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE ID	LAB SAMPLE ID						
01	VSTD050D27A	562820	8.22	826667	8.88	791124	12.36
02	WG87577-LCS	590875	8.22	861605	8.88	826113	12.36
03	WG87577-BLANK	535964	8.22	786400	8.88	736538	12.36
04	TB01261101	581442	8.22	864337	8.87	813174	12.36
05	SF-2-MW01-80-1/2011	559338	8.22	840531	8.88	781873	12.36
06	SF-2-MW04-65-1/2011	531025	8.22	788928	8.87	738162	12.36
07	FD01251101	512007	8.22	761278	8.88	705101	12.36
08	RB01261101	492624	8.22	726394	8.88	681803	12.36
09	2-MW03-65-1/2011	475128	8.22	712051	8.88	663293	12.36
10	2-MW03-65-1/2011MS	538219	8.22	779310	8.88	759816	12.36
11	2-MW03-65-1/2011MSD	581227	8.22	841770	8.88	811924	12.36
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JMB0 SDG No.: SF-1

Lab File ID (Standard): D9486 Date Analyzed: 01/20/11

Instrument ID: GCMS-D Time Analyzed: 0916

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB)					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		641170	15.70				
UPPER LIMIT		1282340	16.20				
LOWER LIMIT		320585	15.20				
CLIENT SAMPLE ID	LAB SAMPLE ID						
01	VSTD050D27A	494690	15.71				
02	WG87577-LCS	523498	15.71				
03	WG87577-BLANK	438083	15.71				
04	TB01261101	483844	15.70				
05	SF-2-MW01-80-1/2011	468152	15.71				
06	SF-2-MW04-65-1/2011	441268	15.70				
07	FD01251101	421474	15.71				
08	RB01261101	411462	15.70				
09	2-MW03-65-1/2011	398334	15.70				
10	2-MW03-65-1/2011MS	491543	15.71				
11	2-MW03-65-1/2011MSD	519050	15.71				
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: UD493 DFTPP Injection Date: 01/07/11

Instrument ID: GCMS-U DFTPP Injection Time: 0919

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.5 (1.3)1
69	Less than 100.0% of mass 198	37.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.8
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	22.9
365	1.0 - 100.0% of mass 198	3.3
441	0.0 - 100.0% of mass 443	13.5 (82.1)2
442	40.0 - 100.0% of mass 198	83.2
443	17.0 - 23.0% of mass 442	16.4 (19.7)3

1-Value is % mass 69
3-Value is % mass 442

2-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0107	U4242	01/07/11	1029
02		SSTD010U0107	U4243	01/07/11	1114
03		SSTD025U0107	U4244	01/07/11	1158
04		SSTD075U0107	U4245	01/07/11	1242
05		SSTD100U0107	U4246	01/07/11	1327
06		SSTD125U0107	U4247	01/07/11	1411
07		8270 IND CHECK	U4248	01/07/11	1456
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date(s): 01/07/11 01/07/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1029 1411

LAB FILE ID: RF10: U4243 RF25: U4244 RF50: U4242
RF75: U4245 RF100: U4246 RF125: U4247

COMPOUND	RF VALUES							CURVE	COEFFICIENTS			%RSD	MAX %RSD
	RF10	RF25	RF50	RF75	RF100	RF125	A0		A1	A2	OR R^2		
1,4-Dioxane	0.314	0.330	0.315	0.328	0.320	0.331	AVRG		0.32299997		2.374	15.000	
Benzaldehyde	0.181	0.163	0.152	0.149	0.120	0.128	AVRG		0.14883747		14.928	15.000	
Phenol	1.647	1.671	1.616	1.616	1.410	1.388	AVRG		1.55790920		8.029	30.000	
Bis(2-Chloroethyl) ether	1.257	1.220	1.105	1.147	1.020	0.996	AVRG		1.12401236		9.324	15.000	
2-Chlorophenol	1.318	1.284	1.204	1.222	1.114	1.127	AVRG		1.21135093		6.742	15.000	
2-Methylphenol	1.150	1.196	1.159	1.187	1.085	1.108	AVRG		1.14761404		3.802	15.000	
2,2'-Oxybis(1-chloropropa	1.506	1.509	1.410	1.446	1.306	1.308	AVRG		1.41411726		6.434	15.000	
Acetophenone	0.439	0.445	0.412	0.410	0.374	0.387	AVRG		0.41126585		6.763	15.000	
N-Nitroso-di-n-propylamin	0.877	0.834	0.750	0.777	0.687	0.720	AVRG		0.77450061		9.187	15.000	
3,4-Methylphenol	1.282	1.317	1.216	1.248	1.017	0.926	AVRG		1.16767977		13.549	15.000	
Hexachloroethane	0.602	0.579	0.535	0.545	0.470	0.431	AVRG		0.52696192		12.339	15.000	
Nitrobenzene	0.329	0.330	0.311	0.317	0.283	0.293	AVRG		0.31028672		6.137	15.000	
Isophorone	0.640	0.653	0.626	0.649	0.591	0.606	AVRG		0.62743014		3.958	15.000	
2-Nitrophenol	0.183	0.192	0.187	0.189	0.171	0.178	AVRG		0.18318482		4.172	30.000	
2,4-Dimethylphenol	0.329	0.322	0.307	0.314	0.282	0.287	AVRG		0.30673308		6.205	15.000	
Bis(2-Chloroethoxy)methan	0.405	0.392	0.366	0.466	0.414	0.422	AVRG		0.41079603		8.065	15.000	
2,4-Dichlorophenol	0.274	0.285	0.269	0.269	0.238	0.240	AVRG		0.26238620		7.284	30.000	
4-Chloroaniline	135300	375070	601620	718410	932090	1096400	2ORDR	-2.57e-003	2.14933832	2.30679967	0.99466	0.99000	
Hexachlorobutadiene	0.173	0.171	0.156	0.153	0.130	0.131	AVRG		0.15251379		12.272	30.000	
Caprolactam	0.083	0.102	0.104	0.109	0.106	0.108	AVRG		0.10201652		9.327	15.000	
4-Chloro-3-Methylphenol	0.268	0.286	0.273	0.278	0.256	0.262	AVRG		0.27046479		4.077	30.000	
Hexachlorocyclopentadiene	0.334	0.343	0.307	0.286	0.258	0.264	AVRG		0.29869333		11.921	15.000	
1,2,4,5-Tetrachlorobenzen	97972	255360	416200	530450	683540	802170	2ORDR	-1.69e-002	1.88962612	1.07259918	0.99604	0.99000	
2,4,6-Trichlorophenol	0.348	0.362	0.339	0.325	0.297	0.302	AVRG		0.32887859		7.844	30.000	
2,4,5-Trichlorophenol	0.364	0.404	0.384	0.384	0.351	0.355	AVRG		0.37342053		5.448	15.000	
2-Chloronaphthalene	0.416	0.398	0.366	0.358	0.287	0.300	AVRG		0.35437894		14.572	15.000	
1,1'-Biphenyl	262200	685080	1115500	1383000	1700200	1985300	2ORDR	1.294e-003	0.57741547	0.24356315	0.99244	0.99000	
2-Nitroaniline	0.307	0.352	0.340	0.346	0.286	0.278	AVRG		0.31840883		10.115	15.000	
Dimethyl Phthalate	1.225	1.254	1.142	1.106	0.966	0.973	AVRG		1.11105453		10.988	15.000	
2,6-Dinitrotoluene	0.261	0.274	0.247	0.247	0.227	0.228	AVRG		0.24734665		7.371	15.000	
3-Nitroaniline	0.227	0.275	0.286	0.300	0.304	0.297	AVRG		0.28151659		10.116	15.000	
2,4-Dinitrophenol	15093	79806	167000	230020	347290	421130	LINR	8.395e-002	5.55323938		0.99843	0.99000	
Dibenzofuran	1.548	1.534	1.391	1.350	1.213	1.182	AVRG		1.36976795		11.284	15.000	
4-Nitrophenol	0.101	0.152	0.151	0.150	0.138	0.138	AVRG		0.13829111		14.081	15.000	
2,4-Dinitrotoluene	0.325	0.389	0.366	0.354	0.338	0.342	AVRG		0.35231301		6.451	15.000	
2,3,4,6-Tetrachlorophenol	0.309	0.336	0.312	0.299	0.271	0.270	AVRG		0.29961394		8.537	15.000	
Diethylphthalate	1.255	1.313	1.184	1.149	1.017	0.964	AVRG		1.14706679		11.760	15.000	
4-Chlorophenyl-phenylethe	0.547	0.570	0.514	0.499	0.454	0.449	AVRG		0.50550094		9.653	15.000	
4-Nitroaniline	0.206	0.271	0.248	0.246	0.258	0.267	AVRG		0.24923070		9.392	15.000	
4,6-Dinitro-2-Methylpheno	0.089	0.122	0.126	0.126	0.122	0.123	AVRG		0.11793152		12.228	15.000	
N-Nitrosodiphenylamine	0.656	0.618	0.576	0.546	0.498	0.505	AVRG		0.56673864		11.045	30.000	
4-Bromophenyl-phenylether	0.217	0.205	0.191	0.182	0.161	0.159	AVRG		0.18584523		12.600	15.000	
Hexachlorobenzene	0.254	0.215	0.198	0.191	0.176	0.178	AVRG		0.20219469		14.435	15.000	
Atrazine	0.194	0.181	0.151	0.133	0.105	0.094	AVRG		0.14309743		28.062	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date(s): 01/07/11 01/07/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1029 1411

LAB FILE ID: RF10: U4243 RF25: U4244 RF50: U4242
RF75: U4245 RF100: U4246 RF125: U4247

COMPOUND	RF VALUES							CURVE	COEFFICIENTS			%RSD OR R^2	MAX %RSD OR R^2
	RF10	RF25	RF50	RF75	RF100	RF125	A0		A1	A2			
Pentachlorophenol	0.130	0.144	0.133	0.123	0.114	0.112	AVRG	0.12605215			9.694	30.000	
Carbazole	0.899	0.946	0.849	0.796	0.747	0.766	AVRG	0.83406937			9.386	15.000	
Di-n-butylphthalate	1.353	1.344	1.192	1.133	1.047	1.046	AVRG	1.18574385			11.600	15.000	
Butylbenzylphthalate	0.618	0.622	0.632	0.625	0.569	0.593	AVRG	0.60993957			3.925	15.000	
3,3'-Dichlorobenzidine	0.254	0.285	0.265	0.253	0.247	0.258	AVRG	0.26061998			5.230	15.000	
bis(2-Ethylhexyl)phthalat	0.837	0.865	0.862	0.849	0.788	0.808	AVRG	0.83498625			3.690	15.000	
Di-n-octylphthalate	1.518	1.564	1.606	1.607	1.511	1.438	AVRG	1.54076586			4.234	30.000	
2-Fluorophenol	1.216	1.231	1.206	1.236	1.155	1.199	AVRG	1.20698800			2.425	15.000	
Phenol-D6	1.524	1.492	1.382	1.419	1.319	1.328	AVRG	1.41077771			5.974	15.000	
Nitrobenzene-D5	0.327	0.338	0.313	0.339	0.308	0.320	AVRG	0.32418724			3.959	15.000	
2-Fluorobiphenyl	1.236	1.234	1.110	1.064	0.963	0.968	AVRG	1.09575294			11.098	15.000	
2,4,6-Tribromophenol	0.181	0.216	0.197	0.191	0.177	0.178	AVRG	0.19006787			7.974	15.000	
Terphenyl-D14	0.778	0.742	0.787	0.758	0.695	0.728	AVRG	0.74803888			4.545	15.000	

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: UD506 DFTPP Injection Date: 01/28/11

Instrument ID: GCMS-U DFTPP Injection Time: 1202

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.5 (1.4)1
69	Less than 100.0% of mass 198	37.2
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	48.8
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	23.1
365	1.0 - 100.0% of mass 198	3.2
441	0.0 - 100.0% of mass 443	14.6 (84.6)2
442	40.0 - 100.0% of mass 198	90.3
443	17.0 - 23.0% of mass 442	17.2 (19.1)3

1-Value is % mass 69
3-Value is % mass 442

2-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0128	U4460	01/28/11	1223
02	SF-2-MW01-80-1/2011	SE0387-1	U4472	01/28/11	2115
03	SF-2-MW04-65-1/2011	SE0387-2	U4473	01/28/11	2158
04	FD01251101	SE0387-3	U4474	01/28/11	2241
05	RB01261101	SE0387-4	U4475	01/28/11	2324
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FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date: 01/28/11 Time: 1223

Lab File ID: U4460 Init. Calib. Date(s): 01/07/11 01/07/11

Init. Calib. Times: 1029 1411

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,4-Dioxane	0.3230000	0.3266600	0.3266600	0.01	1.13	20.00	AVRG
Benzaldehyde	0.1490000	0.1036500	0.1036500	0.01	-30.44	20.00	AVRG <-
Phenol	1.5580000	1.4858000	1.4858000	0.01	-4.63	20.01	AVRG
Bis(2-Chloroethyl) ether	1.1240000	1.2062000	1.2062000	0.01	7.31	20.00	AVRG
2-Chlorophenol	1.2120000	1.2541000	1.2541000	0.01	3.47	20.00	AVRG
2-Methylphenol	1.1480000	1.1322000	1.1322000	0.01	-1.38	20.00	AVRG
2,2'-Oxybis(1-chloropropane)	1.4140000	1.4484000	1.4484000	0.01	2.43	20.00	AVRG
Acetophenone	0.4110000	0.4244000	0.4244000	0.01	3.26	20.00	AVRG
N-Nitroso-di-n-propylamine	0.7740000	0.8021000	0.8021000	0.05	3.63	20.00	AVRG
3&4-Methylphenol	1.1680000	1.1684000	1.1684000	0.01	0.03	20.00	AVRG
Hexachloroethane	0.5270000	0.5321900	0.5321900	0.01	0.98	20.00	AVRG
Nitrobenzene	0.3100000	0.3206600	0.3206600	0.01	3.44	20.00	AVRG
Isophorone	0.6280000	0.6345000	0.6345000	0.01	1.04	20.00	AVRG
2-Nitrophenol	0.1830000	0.1957900	0.1957900	0.01	6.99	20.01	AVRG
2,4-Dimethylphenol	0.3070000	0.3159600	0.3159600	0.01	2.92	20.00	AVRG
Bis(2-Chloroethoxy) methane	0.4110000	0.4038300	0.4038300	0.01	-1.74	20.00	AVRG
2,4-Dichlorophenol	0.2620000	0.2708400	0.2708400	0.01	3.37	20.01	AVRG
4-Chloroaniline	45.988000	50.000000	0.3045000	0.01	-8.02	20.00	2RDR
Hexachlorobutadiene	0.1520000	0.1600100	0.1600100	0.01	5.27	20.01	AVRG
Caprolactam	0.1020000	0.1123000	0.1123000	0.01	10.10	20.00	AVRG
4-Chloro-3-Methylphenol	0.2700000	0.2783900	0.2783900	0.01	3.11	20.01	AVRG
Hexachlorocyclopentadiene	0.2990000	0.3068600	0.3068600	0.05	2.63	20.00	AVRG
1,2,4,5-Tetrachlorobenzene	49.881000	50.000000	0.4136800	0.01	-0.24	20.00	2RDR
2,4,6-Trichlorophenol	0.3290000	0.3340100	0.3340100	0.01	1.52	20.01	AVRG
2,4,5-Trichlorophenol	0.3740000	0.3651800	0.3651800	0.01	-2.36	20.00	AVRG
2-Chloronaphthalene	0.3540000	0.3344400	0.3344400	0.01	-5.52	20.00	AVRG
1,1'-Biphenyl	49.931000	50.000000	1.0952000	0.01	-0.14	20.00	2RDR
2-Nitroaniline	0.3180000	0.2839200	0.2839200	0.01	-10.72	20.00	AVRG
Dimethyl Phthalate	1.1110000	1.0757000	1.0757000	0.01	-3.18	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date: 01/28/11 Time: 1223

Lab File ID: U4460 Init. Calib. Date(s): 01/07/11 01/07/11

Init. Calib. Times: 1029 1411

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
2,6-Dinitrotoluene	0.2470000	0.2536300	0.2536300	0.01	2.68	20.00	AVRG
3-Nitroaniline	0.2820000	0.2959600	0.2959600	0.01	4.95	20.00	AVRG
2,4-Dinitrophenol	49.823000	50.000000	0.1673400	0.05	-0.35	20.00	LINR
Dibenzofuran	1.3700000	1.3513000	1.3513000	0.01	-1.36	20.00	AVRG
4-Nitrophenol	0.1380000	0.1249200	0.1249200	0.05	-9.48	20.00	AVRG
2,4-Dinitrotoluene	0.3520000	0.3476600	0.3476600	0.01	-1.23	20.00	AVRG
2,3,4,6-Tetrachlorophenol	0.3000000	0.3046000	0.3046000	0.01	1.53	20.00	AVRG
Diethylphthalate	1.1470000	1.1642000	1.1642000	0.01	1.50	20.00	AVRG
4-Chlorophenyl-phenylether	0.5060000	0.5236200	0.5236200	0.01	3.48	20.00	AVRG
4-Nitroaniline	0.2490000	0.2538300	0.2538300	0.01	1.94	20.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1180000	0.1288600	0.1288600	0.01	9.20	20.00	AVRG
N-Nitrosodiphenylamine	0.5660000	0.5721700	0.5721700	0.01	1.09	20.01	AVRG
4-Bromophenyl-phenylether	0.1860000	0.1911400	0.1911400	0.01	2.76	20.00	AVRG
Hexachlorobenzene	0.2020000	0.2082200	0.2082200	0.01	3.08	20.00	AVRG
Atrazine	0.1430000	0.1366400	0.1366400	0.01	-4.45	20.00	AVRG
Pentachlorophenol	0.1260000	0.1237300	0.1237300	0.01	-1.80	20.01	AVRG
Carbazole	0.8340000	0.8303600	0.8303600	0.01	-0.44	20.00	AVRG
Di-n-butylphthalate	1.1860000	1.1691000	1.1691000	0.01	-1.42	20.00	AVRG
Butylbenzylphthalate	0.6100000	0.6022900	0.6022900	0.01	-1.26	20.00	AVRG
3,3'-Dichlorobenzidine	0.2600000	0.2683800	0.2683800	0.01	3.22	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8350000	0.8361800	0.8361800	0.01	0.14	20.00	AVRG
Di-n-octylphthalate	1.5410000	1.6092000	1.6092000	0.01	4.42	20.01	AVRG
=====	=====	=====	=====	=====	=====	=====	=====
2-Fluorophenol	1.2070000	1.2805000	1.2805000	0.01	6.09	20.00	AVRG
Phenol-D6	1.4110000	1.4683000	1.4683000	0.01	4.06	20.00	AVRG
Nitrobenzene-D5	0.3240000	0.3378200	0.3378200	0.01	4.26	20.00	AVRG
2-Fluorobiphenyl	1.0960000	1.1042000	1.1042000	0.01	0.75	20.00	AVRG
2,4,6-Tribromophenol	0.1900000	0.1950500	0.1950500	0.01	2.66	20.00	AVRG
Terphenyl-D14	0.7480000	0.7424000	0.7424000	0.01	-0.75	20.00	AVRG

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: UD507 DFTPP Injection Date: 01/31/11

Instrument ID: GCMS-U DFTPP Injection Time: 0957

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.7 (1.8)1
69	Less than 100.0% of mass 198	38.8
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.5
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	22.6
365	1.0 - 100.0% of mass 198	2.9
441	0.0 - 100.0% of mass 443	12.4 (79.7)2
442	40.0 - 100.0% of mass 198	80.1
443	17.0 - 23.0% of mass 442	15.6 (19.4)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0131	U4487	01/31/11	1017
02	WG87584-BLANK	WG87584-1	U4490	01/31/11	1231
03	WG87584-LCS	WG87584-2	U4491	01/31/11	1316
04	WG87584-LCSD	WG87584-3	U4492	01/31/11	1400
05	2-MW03-65-1/2011	SE0387-5	U4493	01/31/11	1445
06	2-MW03-65-1/2011MS	WG87584-4	U4494	01/31/11	1529
07	2-MW03-65-1/2011MSD	WG87584-5	U4495	01/31/11	1614
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FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date: 01/31/11 Time: 1017

Lab File ID: U4487 Init. Calib. Date(s): 01/07/11 01/07/11

Init. Calib. Times: 1029 1411

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,4-Dioxane	0.3230000	0.3029300	0.3029300	0.01	-6.21	20.00	AVRG
Benzaldehyde	0.1490000	8.7e-002	8.7e-002	0.01	-41.61	20.00	AVRG <-
Phenol	1.5580000	1.5009000	1.5009000	0.01	-3.66	20.01	AVRG
Bis(2-Chloroethyl) ether	1.1240000	1.1545000	1.1545000	0.01	2.71	20.00	AVRG
2-Chlorophenol	1.2120000	1.2242000	1.2242000	0.01	1.01	20.00	AVRG
2-Methylphenol	1.1480000	1.1188000	1.1188000	0.01	-2.54	20.00	AVRG
2,2'-Oxybis(1-chloropropane)	1.4140000	1.3791000	1.3791000	0.01	-2.47	20.00	AVRG
Acetophenone	0.4110000	0.4137200	0.4137200	0.01	0.66	20.00	AVRG
N-Nitroso-di-n-propylamine	0.7740000	0.7981700	0.7981700	0.05	3.12	20.00	AVRG
3&4-Methylphenol	1.1680000	1.1840000	1.1840000	0.01	1.37	20.00	AVRG
Hexachloroethane	0.5270000	0.5241100	0.5241100	0.01	-0.55	20.00	AVRG
Nitrobenzene	0.3100000	0.3137300	0.3137300	0.01	1.20	20.00	AVRG
Isophorone	0.6280000	0.6030600	0.6030600	0.01	-3.97	20.00	AVRG
2-Nitrophenol	0.1830000	0.1838200	0.1838200	0.01	0.45	20.01	AVRG
2,4-Dimethylphenol	0.3070000	0.3141900	0.3141900	0.01	2.34	20.00	AVRG
Bis(2-Chloroethoxy)methane	0.4110000	0.3665200	0.3665200	0.01	-10.82	20.00	AVRG
2,4-Dichlorophenol	0.2620000	0.2645600	0.2645600	0.01	0.98	20.01	AVRG
4-Chloroaniline	51.773000	50.000000	0.3335000	0.01	3.55	20.00	2RDR
Hexachlorobutadiene	0.1520000	0.1529100	0.1529100	0.01	0.60	20.01	AVRG
Caprolactam	0.1020000	0.1066700	0.1066700	0.01	4.58	20.00	AVRG
4-Chloro-3-Methylphenol	0.2700000	0.2717500	0.2717500	0.01	0.65	20.01	AVRG
Hexachlorocyclopentadiene	0.2990000	0.2976600	0.2976600	0.05	-0.45	20.00	AVRG
1,2,4,5-Tetrachlorobenzene	50.390000	50.000000	0.4170700	0.01	0.78	20.00	2RDR
2,4,6-Trichlorophenol	0.3290000	0.3147300	0.3147300	0.01	-4.34	20.01	AVRG
2,4,5-Trichlorophenol	0.3740000	0.3496300	0.3496300	0.01	-6.52	20.00	AVRG
2-Chloronaphthalene	0.3540000	0.3359700	0.3359700	0.01	-5.09	20.00	AVRG
1,1'-Biphenyl	52.165000	50.000000	1.1308000	0.01	4.33	20.00	2RDR
2-Nitroaniline	0.3180000	0.2696600	0.2696600	0.01	-15.20	20.00	AVRG
Dimethyl Phthalate	1.1110000	1.0285000	1.0285000	0.01	-7.42	20.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date: 01/31/11 Time: 1017

Lab File ID: U4487 Init. Calib. Date(s): 01/07/11 01/07/11

Init. Calib. Times: 1029 1411

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D' or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
2,6-Dinitrotoluene	0.2470000	0.2470900	0.2470900	0.01	0.04	20.00	AVRG
3-Nitroaniline	0.2820000	0.2905900	0.2905900	0.01	3.05	20.00	AVRG
2,4-Dinitrophenol	43.918000	50.000000	0.1460800	0.05	-12.16	20.00	LINR
Dibenzofuran	1.3700000	1.3138000	1.3138000	0.01	-4.10	20.00	AVRG
4-Nitrophenol	0.1380000	0.1179100	0.1179100	0.05	-14.56	20.00	AVRG
2,4-Dinitrotoluene	0.3520000	0.3259400	0.3259400	0.01	-7.40	20.00	AVRG
2,3,4,6-Tetrachlorophenol	0.3000000	0.2779600	0.2779600	0.01	-7.35	20.00	AVRG
Diethylphthalate	1.1470000	1.0949000	1.0949000	0.01	-4.54	20.00	AVRG
4-Chlorophenyl-phenylether	0.5060000	0.5078700	0.5078700	0.01	0.37	20.00	AVRG
4-Nitroaniline	0.2490000	0.2464400	0.2464400	0.01	-1.03	20.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1180000	0.1207600	0.1207600	0.01	2.34	20.00	AVRG
N-Nitrosodiphenylamine	0.5660000	0.5922800	0.5922800	0.01	4.64	20.01	AVRG
4-Bromophenyl-phenylether	0.1860000	0.1898000	0.1898000	0.01	2.04	20.00	AVRG
Hexachlorobenzene	0.2020000	0.2046000	0.2046000	0.01	1.29	20.00	AVRG
Atrazine	0.1430000	0.1443700	0.1443700	0.01	0.96	20.00	AVRG
Pentachlorophenol	0.1260000	0.1171800	0.1171800	0.01	-7.00	20.01	AVRG
Carbazole	0.8340000	0.8170500	0.8170500	0.01	-2.03	20.00	AVRG
Di-n-butylphthalate	1.1860000	1.1064000	1.1064000	0.01	-6.71	20.00	AVRG
Butylbenzylphthalate	0.6100000	0.5593600	0.5593600	0.01	-8.30	20.00	AVRG
3,3'-Dichlorobenzidine	0.2600000	0.2827600	0.2827600	0.01	8.75	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8350000	0.7862200	0.7862200	0.01	-5.84	20.00	AVRG
Di-n-octylphthalate	1.5410000	1.3847000	1.3847000	0.01	-10.14	20.01	AVRG
=====	=====	=====	=====	=====	=====	=====	=====
2-Fluorophenol	1.2070000	1.2271000	1.2271000	0.01	1.66	20.00	AVRG
Phenol-D6	1.4110000	1.5083000	1.5083000	0.01	6.90	20.00	AVRG
Nitrobenzene-D5	0.3240000	0.3267700	0.3267700	0.01	0.85	20.00	AVRG
2-Fluorobiphenyl	1.0960000	1.0693000	1.0693000	0.01	-2.44	20.00	AVRG
2,4,6-Tribromophenol	0.1900000	0.1803900	0.1803900	0.01	-5.06	20.00	AVRG
Terphenyl-D14	0.7480000	0.7324300	0.7324300	0.01	-2.08	20.00	AVRG

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG87584-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: U4490 Lab Sample ID: WG87584-1

Instrument ID: GCMS-U Date Extracted: 01/28/11

Matrix: (soil/water) WATER Date Analyzed: 01/31/11

Level: (low/med) LOW Time Analyzed: 1231

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SF-2-MW01-80-1/2011	SE0387-1	U4472	01/28/11	2115
02	SF-2-MW04-65-1/2011	SE0387-2	U4473	01/28/11	2158
03	FD01251101	SE0387-3	U4474	01/28/11	2241
04	RB01261101	SE0387-4	U4475	01/28/11	2324
05	WG87584-LCS	WG87584-2	U4491	01/31/11	1316
06	WG87584-LCSD	WG87584-3	U4492	01/31/11	1400
07	2-MW03-65-1/2011	SE0387-5	U4493	01/31/11	1445
08	2-MW03-65-1/2011MS	WG87584-4	U4494	01/31/11	1529
09	2-MW03-65-1/2011MSD	WG87584-5	U4495	01/31/11	1614
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COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG87584-1
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.8	ug/L	1	10	10.	1.8	7.5
Bis(2-Chloroethyl) Ether	U	2.0	ug/L	1	10	10.	2.0	7.5
2-Chlorophenol	U	3.2	ug/L	1	10	10.	3.2	7.5
2,2'-Oxybis(1-Chloropropane)	U	2.1	ug/L	1	10	10.	2.1	7.5
2-Methylphenol	U	3.8	ug/L	1	10	10.	3.8	7.5
Hexachloroethane	U	2.3	ug/L	1	10	10.	2.3	7.5
N-Nitroso-Di-N-Propylamine	U	2.0	ug/L	1	10	10.	2.0	7.5
3&4-Methylphenol	U	5.6	ug/L	1	10	10.	5.6	7.5
Nitrobenzene	U	3.1	ug/L	1	10	10.	3.1	7.5
Isophorone	U	1.7	ug/L	1	10	10.	1.7	7.5
2-Nitrophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
2,4-Dimethylphenol	U	4.4	ug/L	1	10	10.	4.4	7.5
Bis(2-Chloroethoxy) Methane	U	2.1	ug/L	1	10	10.	2.1	7.5
2,4-Dichlorophenol	U	3.0	ug/L	1	10	10.	3.0	7.5
4-Chloroaniline	U	1.9	ug/L	1	10	10.	1.9	7.5
Hexachlorobutadiene	U	1.8	ug/L	1	10	10.	1.8	7.5
4-Chloro-3-Methylphenol	U	3.6	ug/L	1	10	10.	3.6	7.5
2,4,6-Trichlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
2,4,5-Trichlorophenol	U	3.6	ug/L	1	25	25.	3.6	19.
2-Chloronaphthalene	U	2.9	ug/L	1	10	10.	2.9	7.5
2-Nitroaniline	U	1.8	ug/L	1	25	25.	1.8	19.
Dimethyl Phthalate	U	2.0	ug/L	1	10	10.	2.0	7.5
2,6-Dinitrotoluene	U	2.0	ug/L	1	10	10.	2.0	7.5
3-Nitroaniline	U	1.5	ug/L	1	25	25.	1.5	19.
2,4-Dinitrophenol	U	1.0	ug/L	1	25	25.	1.0	19.
Dibenzofuran	U	1.6	ug/L	1	10	10.	1.6	7.5
4-Nitrophenol	U	1.8	ug/L	1	25	25.	1.8	19.
2,4-Dinitrotoluene	U	2.2	ug/L	1	10	10.	2.2	7.5
Diethylphthalate	U	2.0	ug/L	1	10	10.	2.0	7.5
4-Chlorophenyl-Phenylether	U	2.2	ug/L	1	10	10.	2.2	7.5
4-Nitroaniline	U	1.6	ug/L	1	25	25.	1.6	19.
4,6-Dinitro-2-Methylphenol	U	2.0	ug/L	1	25	25.	2.0	19.
N-Nitrosodiphenylamine	U	3.7	ug/L	1	10	10.	3.7	7.5
4-Bromophenyl-Phenylether	U	1.9	ug/L	1	10	10.	1.9	7.5

Report of Analytical Results

Client:
Lab ID: WG87584-1
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Hexachlorobenzene	U	2.1	ug/L	1	10	10.	2.1	7.5
Pentachlorophenol	U	2.3	ug/L	1	25	25.	2.3	19.
Carbazole	U	2.1	ug/L	1	10	10.	2.1	7.5
Di-N-Butylphthalate	U	2.5	ug/L	1	10	10.	2.5	7.5
Butylbenzylphthalate	U	1.9	ug/L	1	10	10.	1.9	7.5
3,3'-Dichlorobenzidine	U	1.1	ug/L	1	10	10.	1.1	19.
Bis(2-Ethylhexyl) Phthalate	U	1.7	ug/L	1	10	10.	1.7	7.5
Di-N-Octylphthalate	U	1.8	ug/L	1	10	10.	1.8	7.5
1,1'-Biphenyl	U	2.7	ug/L	1	10	10.	2.7	7.5
Caprolactam	U	0.40	ug/L	1	10	10.	0.40	7.5
Benzaldehyde	U	1.0	ug/L	1	10	10.	1.0	7.5
Acetophenone	U	3.9	ug/L	1	10	10.	3.9	7.5
Atrazine	U	3.3	ug/L	1	10	10.	3.3	7.5
2,3,4,6-Tetrachlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
1,2,4,5-Tetrachlorobenzene	U	1.8	ug/L	1	10	10.	1.8	7.5
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	10.	1.2	7.5
1,4-Dioxane	U	1.8	ug/L	1	10	10.	1.8	7.5
2-Fluorophenol		48.1	%					
Phenol-D6		34.5	%					
Nitrobenzene-d5		77.8	%					
2-Fluorobiphenyl		78.2	%					
2,4,6-Tribromophenol		67.0	%					
Terphenyl-d14		84.2	%					

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	SF-2-MW01-80-1/2011	SE0387-1	40	28	79	79	75	87			0
02	SF-2-MW04-65-1/2011	SE0387-2	43	29	79	76	76	88			0
03	FD01251101	SE0387-3	40	26	72	75	70	92			0
04	RB01261101	SE0387-4	46	33	77	78	75	85			0
05	WG87584-BLANK	WG87584-1	48	34	78	78	67	84			0
06	WG87584-LCS	WG87584-2	42	30	68	67	71	77			0
07	WG87584-LCSD	WG87584-3	38	27	65	67	74	85			0
08	2-MW03-65-1/2011	SE0387-5	43	30	72	72	72	79			0
09	2-MW03-65-1/2011MS	WG87584-4	39	27	68	71	80	91			0
10	2-MW03-65-1/2011MSD	WG87584-5	38	27	68	72	80	96			0
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

QC LIMITS

- S1 (2FP) = 2-Fluorophenol (10- 80)
- S2 (PHL) = Phenol-D6 (10- 90)
- S3 (NBZ) = Nitrobenzene-D5 (41- 91)
- S4 (FBP) = 2-Fluorobiphenyl (43- 90)
- S5 (TBP) = 2,4,6-Tribromophenol (37-112)
- S6 (TPH) = Terphenyl-D14 (36-156)

Column to be used to flag recovery values
 J Values outside of contract required QC limits
 D Surrogate diluted out

LCS/LCSD Recovery Report

LCS ID: WG87584-2
 LCSD ID: WG87584-3
 Project:
 SDG: SF-1
 Report Date: 15-feb-2011 10:04

Received Date: 28-JAN-11
 Extract Date: 28-JAN-11
 Extracted By: KF
 Extraction Method: SW846 3510
 Lab Prep Batch: WG87584

Analysis Date: 31-JAN-11
 Analyst: WAS
 Analysis Method: SW846 8270C
 Matrix: AQ
 % Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	100.	28.2	28.2	25.2	25.2	ug/L	11	20	10-78
Bis(2-Chloroethyl) Ether	50.0	34.9	69.8	33.3	66.6	ug/L	5	20	45-95
2-Chlorophenol	100.	59.5	59.5	59.1	59.1	ug/L	1	20	44-91
2,2'-Oxybis(1-Chloropropane)	50.0	32.0	64.0	30.2	60.4	ug/L	6	20	42-100
2-Methylphenol	100.	51.7	51.7	51.0	51.0	ug/L	1	20	37-87
Hexachloroethane	50.0	30.6	61.2	29.8	59.6	ug/L	3	20	31-90
N-Nitroso-Di-N-Propylamine	50.0	33.3	66.6	33.0	66.0	ug/L	1	20	41-97
3&4-Methylphenol	100.	50.7	50.7	50.9	50.9	ug/L	0	20	28-85
Nitrobenzene	50.0	33.5	67.0	33.2	66.4	ug/L	1	20	48-95
Isophorone	50.0	28.2	56.4	28.2	56.4	ug/L	0	20	53-93
2-Nitrophenol	100.	64.4	64.4	65.4	65.4	ug/L	2	20	48-101
2,4-Dimethylphenol	100.	61.7	61.7	63.5	63.5	ug/L	3	20	51-87
Bis(2-Chloroethoxy) Methane	50.0	30.3	60.6	29.8	59.6	ug/L	2	20	40-98
2,4-Dichlorophenol	100.	63.2	63.2	64.2	64.2	ug/L	2	20	47-106
4-Chloroaniline	50.0	23.0	46.0	27.7	55.4	ug/L	18	20	34-100
Hexachlorobutadiene	50.0	31.8	63.6	30.9	61.8	ug/L	3	20	34-86
4-Chloro-3-Methylphenol	100.	64.4	64.4	68.6	68.6	ug/L	6	20	63-101
2,4,6-Trichlorophenol	100.	63.2	63.2	63.9	63.9	ug/L	1	20	57-109
2,4,5-Trichlorophenol	100.	64.1	64.1	65.0	65.0	ug/L	1	20	53-136
2-Chloronaphthalene	50.0	27.8	55.6	27.9	55.8	ug/L	0	20	37-76
2-Nitroaniline	50.0	32.3	64.6	32.7	65.4	ug/L	1	20	56-108
Dimethyl Phthalate	50.0	26.9	53.8	28.9	57.8	ug/L	7	20	10-111
2,6-Dinitrotoluene	50.0	37.4	74.8	39.4	78.8	ug/L	5	20	35-110
3-Nitroaniline	50.0	28.9	57.8	31.2	62.4	ug/L	8	20	46-97
2,4-Dinitrophenol	100.	59.5	59.5	68.8	68.8	ug/L	14	20	12-143
Dibenzofuran	50.0	35.6	71.2	36.8	73.6	ug/L	3	20	62-104
4-Nitrophenol	100.	31.4	31.4	31.0	31.0	ug/L	1	20	10-114
2,4-Dinitrotoluene	50.0	36.2	72.4	38.0	76.0	ug/L	5	20	66-123
Diethylphthalate	50.0	33.8	67.6	35.0	70.0	ug/L	3	20	58-101
4-Chlorophenyl-Phenylether	50.0	37.0	74.0	38.2	76.4	ug/L	3	20	65-100
4-Nitroaniline	50.0	39.4	78.8	40.7	81.4	ug/L	3	20	52-106
4,6-Dinitro-2-Methylphenol	100.	80.4	80.4	84.4	84.4	ug/L	5	20	52-129
N-Nitrosodiphenylamine	50.0	33.2	66.4	34.5	69.0	ug/L	4	20	52-96
4-Bromophenyl-Phenylether	50.0	40.6	81.2	42.0	84.0	ug/L	3	20	56-106
Hexachlorobenzene	50.0	39.5	79.0	41.2	82.4	ug/L	4	20	51-112

LCS/LCSD Recovery Report

LCS ID: WG87584-2
LCSD ID: WG87584-3
Project:
SDG: SF-1
Report Date: 15-feb-2011 10:04

Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Pentachlorophenol	100.	72.3	72.3	77.6	77.6	ug/L	7	20	41-134
Carbazole	50.0	41.2	82.4	43.4	86.8	ug/L	5	20	57-125
Di-N-Butylphthalate	50.0	38.9	77.8	41.1	82.2	ug/L	6	20	68-114
Butylbenzylphthalate	50.0	34.3	68.6	37.5	75.0	ug/L	9	20	56-129
3,3'-Dichlorobenzidine	50.0	33.3	66.6	33.5	67.0	ug/L	0	20	36-87
Bis(2-Ethylhexyl) Phthalate	50.0	38.9	77.8	41.9	83.8	ug/L	7	20	51-155
Di-N-Octylphthalate	50.0	37.9	75.8	41.6	83.2	ug/L	9	20	33-184
1,1'-Biphenyl	50.0	34.4	68.8	34.8	69.6	ug/L	1	20	51-105
Caprolactam	50.0	10.2	20.4	11.6	23.2	ug/L	13	20	10-86
Benzaldehyde	50.0	44.8	89.6	36.3	72.6	ug/L	21*	20	10-189
Acetophenone	50.0	35.0	70.0	34.5	69.0	ug/L	1	20	49-102
Atrazine	50.0	49.1	98.2	52.0	104.	ug/L	6	20	83-153
2,3,4,6-Tetrachlorophenol	100.	63.1	63.1	66.3	66.3	ug/L	5	20	49-119
1,2,4,5-Tetrachlorobenzene	50.0	31.3	62.6	30.8	61.6	ug/L	2	20	30-150
Hexachlorocyclopentadiene	50.0	21.4	42.8	20.9	41.8	ug/L	2	20	23-70
1,4-Dioxane	50.0	18.6	37.2	17.4	34.8	ug/L	7	20	10-73
2-Fluorophenol			42.5		37.8				10-80
Phenol-D6			29.7		26.6				10-90
Nitrobenzene-d5			67.7		65.5				41-91
2-Fluorobiphenyl			67.4		67.4				43-90
2,4,6-Tribromophenol			71.4		73.8				37-112
Terphenyl-d14			76.8		85.0				36-156

MS/MSD Recovery Report

MS ID: WG87584-4
MSD ID: WG87584-5
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584
Report Date: 15-feb-2011 11:00

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Phenol	200.	200.	ug/L	U1.7	51.	52.	25.6	26.2	2	20	10-78
Bis(2-Chloroethyl) Ether	100.	100.	ug/L	U1.9	69.	69.	68.8	69.4	1	20	45-95
2-Chlorophenol	200.	200.	ug/L	U3.0	120	120	58.5	61.0	4	20	44-91
2,2'-Oxybis(1-Chloropropane)	100.	100.	ug/L	U2.0	64.	63.	63.6	62.6	2	20	42-100
2-Methylphenol	200.	200.	ug/L	U3.6	100	110	52.5	53.0	1	20	37-87
Hexachloroethane	100.	100.	ug/L	U2.2	63.	62.	62.7	62.1	1	20	31-90
N-Nitroso-Di-N-Propylamine	100.	100.	ug/L	U1.9	68.	68.	68.3	68.1	0	20	41-97
3&4-Methylphenol	200.	200.	ug/L	U5.3	100	100	50.5	51.5	2	20	28-85
Nitrobenzene	100.	100.	ug/L	U3.0	67.	69.	66.7	68.8	3	20	48-95
Isophorone	100.	100.	ug/L	U1.6	57.	60.	57.4	59.7	4	20	53-93
2-Nitrophenol	200.	200.	ug/L	U2.6	130	130	65.0	67.0	3	20	48-101
2,4-Dimethylphenol	200.	200.	ug/L	U4.2	120	120	60.5	62.5	3	20	51-87
Bis(2-Chloroethoxy) Methane	100.	100.	ug/L	U2.0	62.	63.	61.5	62.7	2	20	40-98
2,4-Dichlorophenol	200.	200.	ug/L	U2.8	130	140	67.0	70.5	5	20	47-106
4-Chloroaniline	100.	100.	ug/L	U1.8	56.	61.	55.8	61.0	9	20	34-100
Hexachlorobutadiene	100.	100.	ug/L	U1.7	66.	67.	66.0	66.7	1	20	34-86
4-Chloro-3-Methylphenol	200.	200.	ug/L	U3.4	140	140	69.0	72.0	4	20	63-101
2,4,6-Trichlorophenol	200.	200.	ug/L	U2.6	140	140	68.0	69.0	1	20	57-109
2,4,5-Trichlorophenol	200.	200.	ug/L	U3.4	140	140	69.0	70.5	2	20	53-136
2-Chloronaphthalene	100.	100.	ug/L	U2.8	58.	58.	58.0	57.5	1	20	37-76
2-Nitroaniline	100.	100.	ug/L	U1.7	72.	72.	72.1	72.5	0	20	56-108
Dimethyl Phthalate	100.	100.	ug/L	U1.9	62.	65.	61.7	64.7	5	20	10-111
2,6-Dinitrotoluene	100.	100.	ug/L	U1.9	84.	84.	84.2	84.0	0	20	35-110
3-Nitroaniline	100.	100.	ug/L	U1.4	67.	69.	66.7	68.7	3	20	46-97
2,4-Dinitrophenol	200.	200.	ug/L	U0.95	150	130	73.5	63.5	14	20	12-143
Dibenzofuran	100.	100.	ug/L	U1.5	79.	80.	78.6	79.8	2	20	62-104
4-Nitrophenol	200.	200.	ug/L	U1.7	69.	64.	34.7	31.8	9	20	10-114
2,4-Dinitrotoluene	100.	100.	ug/L	U2.1	84.	83.	84.1	82.6	2	20	66-123
Diethylphthalate	100.	100.	ug/L	U1.9	75.	77.	74.8	76.9	3	20	58-101
4-Chlorophenyl-Phenylether	100.	100.	ug/L	U2.1	83.	84.	82.8	83.6	1	20	65-100
4-Nitroaniline	100.	100.	ug/L	U1.5	87.	88.	86.6	87.8	1	20	52-106
4,6-Dinitro-2-Methylphenol	200.	200.	ug/L	U1.9	180	170	90.0	86.5	4	20	52-129
N-Nitrosodiphenylamine	100.	100.	ug/L	U3.5	72.	74.	72.3	73.8	2	20	52-96
4-Bromophenyl-Phenylether	100.	100.	ug/L	U1.8	90.	91.	89.6	91.4	2	20	56-106

MS/MSD Recovery Report

MS ID: WG87584-4
MSD ID: WG87584-5
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87584
Report Date: 15-feb-2011 11:00

Analysis Date: 31-JAN-11
Analyst: WAS
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Hexachlorobenzene	100.	100.	ug/L	U2.0	86.	89.	86.0	88.6	3	20	51-112
Pentachlorophenol	200.	200.	ug/L	U2.2	170	160	83.5	82.0	2	20	41-134
Carbazole	100.	100.	ug/L	U2.0	95.	93.	94.6	93.4	1	20	57-125
Di-N-Butylphthalate	100.	100.	ug/L	U2.4	87.	88.	86.8	88.2	2	20	68-114
Butylbenzylphthalate	100.	100.	ug/L	U1.8	80.	88.	80.4	87.6	8	20	56-129
3,3'-Dichlorobenzidine	100.	100.	ug/L	U1.0	58.	68.	58.4	67.5	14	20	36-87
Bis(2-Ethylhexyl) Phthalate	100.	100.	ug/L	U1.6	91.	93.	90.6	92.9	2	20	51-155
Di-N-Octylphthalate	100.	100.	ug/L	U1.7	92.	90.	92.0	90.0	2	20	33-184
1,1'-Biphenyl	100.	100.	ug/L	U2.6	75.	76.	75.0	75.5	1	20	51-105
Caprolactam	100.	100.	ug/L	U0.38	23.	22.	22.6	22.2	2	20	10-86
Benzaldehyde	100.	100.	ug/L	U0.95	51.	62.	51.0	62.1	20	20	10-189
Acetophenone	100.	100.	ug/L	U3.7	72.	74.	71.8	73.9	3	20	49-102
Atrazine	100.	100.	ug/L	U3.1	110	110	111.	113.	2	20	83-153
2,3,4,6-Tetrachlorophenol	200.	200.	ug/L	U2.6	150	140	73.0	72.0	1	20	49-119
1,2,4,5-Tetrachlorobenzene	100.	100.	ug/L	U1.7	66.	68.	66.4	68.5	3	20	30-150
Hexachlorocyclopentadiene	100.	100.	ug/L	U1.1	45.	44.	44.8	44.2	1	20	23-70
1,4-Dioxane	100.	100.	ug/L	U1.7	36.	38.	36.3	37.6	4	20	10-73
2-Fluorophenol							38.7	38.6			10-80
Phenol-D6							26.8	27.0			10-90
Nitrobenzene-d5							67.9	68.4			41-91
2-Fluorobiphenyl							71.2	71.9			43-90
2,4,6-Tribromophenol							80.1	80.0			37-112
Terphenyl-d14							90.7	96.4			36-156

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): U4242 Date Analyzed: 01/07/11

Instrument ID: GCMS-U Time Analyzed: 1029

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
=====		=====	=====	=====	=====	=====	=====	
12 HOUR STD		388467	8.53	1460723	11.34	801010	15.46	
UPPER LIMIT		776934	9.03	2921446	11.84	1602020	15.96	
LOWER LIMIT		194234	8.03	730362	10.84	400505	14.96	
=====		=====	=====	=====	=====	=====	=====	
CLIENT SAMPLE	LAB SAMPLE							
ID	ID							
=====	=====	=====	=====	=====	=====	=====	=====	
01	SSTD050U0128	502262	8.50	1871777	11.29	1055636	15.42	
02	SF-2-MW01-80-1/2011	SE0387-1	546822	8.50	1977152	11.30	1096735	15.41
03	SF-2-MW04-65-1/2011	SE0387-2	561547	8.50	2027148	11.29	1150183	15.41
04	FD01251101	SE0387-3	560710	8.50	2018558	11.30	1131108	15.40
05	RB01261101	SE0387-4	540094	8.50	1967413	11.29	1107870	15.41
06	SSTD050U0131	414523	8.49	1549816	11.29	861541	15.41	
07	WG87584-BLANK	WG87584-1	520836	8.50	1861046	11.28	1034053	15.40
08	WG87584-LCS	WG87584-2	520943	8.49	1892749	11.30	1078842	15.42
09	WG87584-LCSD	WG87584-3	507089	8.49	1855758	11.29	1096329	15.41
10	2-MW03-65-1/2011	SE0387-5	483519	8.49	1742834	11.29	996440	15.41
11	2-MW03-65-1/2011MS	WG87584-4	491608	8.49	1826462	11.29	1048949	15.41
12	2-MW03-65-1/2011MSD	WG87584-5	449037	8.49	1623352	11.29	939953	15.41
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
 IS2 (NPT) = Naphthalene-D8
 IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): U4242 Date Analyzed: 01/07/11

Instrument ID: GCMS-U Time Analyzed: 1029

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		1339624	18.99	988091	25.29	765532	28.43
UPPER LIMIT		2679248	19.49	1976182	25.79	1531064	28.93
LOWER LIMIT		669812	18.49	494046	24.79	382766	27.93
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01	SSTD050U0128	1734767	18.94	1336357	25.25	1053055	28.37
02	SF-2-MW01-80-1/2011	1786031	18.93	1370730	25.23	819292	28.36
03	SF-2-MW04-65-1/2011	1850036	18.92	1397686	25.23	802698	28.36
04	FD01251101	1819871	18.92	1201669	25.23	729960	28.36
05	RB01261101	1743227	18.92	1339980	25.23	800472	28.36
06	SSTD050U0131	1340482	18.93	982146	25.23	850484	28.36
07	WG87584-BLANK	1607716	18.92	1335541	25.22	1123079	28.36
08	WG87584-LCS	1708623	18.92	1476496	25.23	1245976	28.36
09	WG87584-LCSD	1733553	18.93	1376847	25.23	1076161	28.36
10	2-MW03-65-1/2011	1525031	18.92	1204399	25.22	936531	28.36
11	2-MW03-65-1/2011MS	1705171	18.93	1420509	25.24	1077978	28.36
12	2-MW03-65-1/2011MSD	1492395	18.92	1093824	25.23	874902	28.36
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (PHN) = Phenanthrene-D10
 IS5 (CRY) = Chrysene-D12
 IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: GD711 DFTPP Injection Date: 01/31/11

Instrument ID: GCMS-G DFTPP Injection Time: 1034

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	37.1
68	Less than 2.0% of mass 69	0.6 (1.4)1
69	Less than 100.0% of mass 198	42.4
70	Less than 2.0% of mass 69	0.3 (0.7)1
127	40.0 - 60.0% of mass 198	59.0
197	Less than 1.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	24.3
365	1.0 - 100.0% of mass 198	3.0
441	0.0 - 100.0% of mass 443	11.8 (76.8)2
442	40.0 - 100.0% of mass 198	78.2
443	17.0 - 23.0% of mass 442	15.3 (19.6)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00G0130	G0160	01/31/11	1055
02		SSTD8.00G0131	G0161	01/31/11	1141
03		SSTD5.00G0131	G0162	01/31/11	1224
04		SSTD2.00G0131	G0163	01/31/11	1308
05		SSTD0.50G0131	G0164	01/31/11	1351
06		SSTD0.20G0131	G0165	01/31/11	1434
07		SIM IND CHECK	G0166	01/31/11	1518
08	SF-2-MW01-80-1/2011	SE0387-1	G0175	01/31/11	2142
09	SF-2-MW04-65-1/2011	SE0387-2	G0176	01/31/11	2223
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

page 1 of 1

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-G Calibration Date(s): 01/31/11 01/31/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1055 1434

LAB FILE ID: RF0.2: G0165 RF0.5: G0164 RF1: G0160
RF2: G0163 RF5: G0162 RF8: G0161

COMPOUND	COEFFICIENTS							A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
	RF0.2	RF0.5	RF1	RF2	RF5	RF8	CURVE					
1-Methylnaphthalene	20681	39239	75349	140140	433980	558130	LINR	-8.78e-002	1.28973678		0.99960	0.99000
Naphthalene	0.980	0.990	1.419	1.286	1.304	1.282	AVRG		1.21031648		14.990	15.000
2-Methylnaphthalene	18895	62128	128860	192580	414460	496620	2ORDR	-4.69e-002	0.65779502	0.11890823	0.99584	0.99000
Acenaphthylene	1.766	1.925	2.116	1.965	1.772	1.788	AVRG		1.88873581		7.403	15.000
Acenaphthene	1.169	1.224	1.273	1.143	1.063	1.095	AVRG		1.16099829		6.781	15.000
Fluorene	1.193	1.377	1.396	1.239	1.084	1.143	AVRG		1.23864891		10.154	15.000
Phenanthrene	0.821	0.960	1.067	0.997	0.961	1.074	AVRG		0.97991248		9.439	15.000
Anthracene	7840	39671	91738	151930	389240	605890	2ORDR	-0.1319622	1.04862920	-1.49e-002	0.99741	0.99000
Fluoranthene	0.819	0.864	0.906	0.810	0.739	0.959	AVRG		0.84949935		9.121	15.000
Pyrene	1.674	2.066	1.704	1.721	1.932	1.633	AVRG		1.78838054		9.580	15.000
Benzo(a)anthracene	3446	9031	40251	60106	146640	335610	LINR	0.18962221	0.92309976		0.99729	0.99000
Chrysene	11995	28238	55372	94255	187510	370280	LINR	-0.2611184	0.83989413		0.99699	0.99000
Benzo(b)fluoranthene	3218	7433	30272	45774	105990	260210	2ORDR	8.127e-003	1.08756352	-2.17e-002	0.99907	0.99000
Benzo(k)fluoranthene	9811	19976	45876	81759	151470	308300	LINR	-0.2090846	0.70080820		0.99843	0.99000
Benzo(a)pyrene	0.864	0.969	1.106	1.021	1.045	1.110	AVRG		1.01932316		9.102	15.000
Indeno(1,2,3-cd)pyrene	4551	9234	13383	28353	57465	135510	2ORDR	-0.1858547	1.98539766	-5.82e-002	0.99695	0.99000
Dibenzo(a,h)anthracene	0.780	0.767	0.697	0.750	0.785	0.796	AVRG		0.76247313		4.686	15.000
Benzo(g,h,i)perylene	0.963	0.915	0.862	0.978	0.937	0.868	AVRG		0.92049633		5.193	15.000
2-Methylnaphthalene-D10	8080	28440	63193	97781	233190	287740	2ORDR	-6.47e-002	0.80194217	6.258e-002	0.99808	0.99000
Fluorene-D10	13743	31930	65716	114280	290940	420060	LINR	-0.1558692	0.89903535		0.99616	0.99000
Pyrene-D10	1.184	1.307	1.099	1.088	1.230	1.056	AVRG		1.16073373		8.330	15.000

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: GD712 DFTPP Injection Date: 02/01/11

Instrument ID: GCMS-G DFTPP Injection Time: 0911

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.2
68	Less than 2.0% of mass 69	0.2 (0.4)1
69	Less than 100.0% of mass 198	43.8
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	59.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	3.1
441	0.0 - 100.0% of mass 443	11.8 (78.5)2
442	40.0 - 100.0% of mass 198	77.6
443	17.0 - 23.0% of mass 442	15.0 (19.3)3

1-Value is % mass 69
3-Value is % mass 442

2-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00G0201	G0177	02/01/11	0932
02	2-MW03-65-1/2011MS	WG87585-4	G0186	02/01/11	1612
03	2-MW03-65-1/2011MSD	WG87585-5	G0187	02/01/11	1655
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-G Calibration Date: 02/01/11 Time: 0932

Lab File ID: G0177 Init. Calib. Date(s): 01/31/11 01/31/11

Init. Calib. Times: 1055 1434

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
1-Methylnaphthalene	1.0524000	1.0000000	0.8704000	0.01	5.24	20.00	LINR
Naphthalene	1.2100000	1.3895000	1.3895000	0.01	14.84	20.00	AVRG
2-Methylnaphthalene	1.0906000	1.0000000	1.3208000	0.01	9.06	20.00	2RDR
Acenaphthylene	1.8890000	1.9792000	1.9792000	0.01	4.78	20.00	AVRG
Acenaphthene	1.1610000	1.1645000	1.1645000	0.01	0.30	20.01	AVRG
Fluorene	1.2390000	1.3450000	1.3450000	0.01	8.56	20.00	AVRG
Phenanthrene	0.9800000	1.0373000	1.0373000	0.01	5.85	20.00	AVRG
Anthracene	1.1637000	1.0000000	1.2377000	0.01	16.37	20.00	2RDR
Fluoranthene	0.8500000	0.9381300	0.9381300	0.01	10.37	20.01	AVRG
Pyrene	1.7880000	1.5933000	1.5933000	0.01	-10.89	20.00	AVRG
Benzo(a)anthracene	1.0709000	1.0000000	0.9958200	0.01	7.09	20.00	LINR
Chrysene	0.9699100	1.0000000	1.4035000	0.01	-3.01	20.00	LINR
Benzo(b)fluoranthene	1.1115000	1.0000000	1.0431000	0.01	11.15	20.00	2RDR
Benzo(k)fluoranthene	1.0728000	1.0000000	1.7695000	0.01	7.28	20.00	LINR
Benzo(a)pyrene	1.0190000	1.1297000	1.1297000	0.01	10.86	20.01	AVRG
Indeno(1,2,3-cd)pyrene	0.9853300	1.0000000	0.5836500	0.01	-1.47	20.00	2RDR
Dibenzo(a,h)anthracene	0.7620000	0.7427500	0.7427500	0.01	-2.53	20.00	AVRG
Benzo(g,h,i)perylene	0.9200000	0.8707200	0.8707200	0.01	-5.36	20.00	AVRG
=====	=====	=====	=====	=====	=====	=====	=====
2-Methylnaphthalene-D10	1.0238000	1.0000000	1.2006000	0.01	2.38	20.00	2RDR
Fluorene-D10	1.1714000	1.0000000	1.4416000	0.01	17.14	20.00	LINR
Pyrene-D10	1.1610000	1.0268000	1.0268000	0.01	-11.56	20.00	AVRG

FORM VII PEST

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID: GD713 DFTPP Injection Date: 02/03/11

Instrument ID: GCMS-G DFTPP Injection Time: 1042

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.1 (0.4)1
69	Less than 100.0% of mass 198	39.1
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	58.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	3.4
441	0.0 - 100.0% of mass 443	12.8 (74.8)2
442	40.0 - 100.0% of mass 198	88.0
443	17.0 - 23.0% of mass 442	17.2 (19.5)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD1.00G0203	G0194	02/03/11	1106
02	SSTD8.00G0203	G0195	02/03/11	1202
03	SSTD5.00G0203	G0196	02/03/11	1245
04	SSTD2.00G0203	G0197	02/03/11	1328
05	SSTD0.50G0203	G0199	02/03/11	1455
06	SSTD0.20G0203	G0200	02/03/11	1538
07	SIM IND CHECK	G0201	02/03/11	1621
08	WG87585-BLANK	G0202	02/03/11	1705
09	WG87585-LCS	G0203	02/03/11	1748
10	WG87585-LCSD	G0204	02/03/11	1831
11	FD01251101	G0207	02/03/11	2040
12	RB01261101	G0208	02/03/11	2122
13	2-MW03-65-1/2011	G0209	02/03/11	2204
14				
15				
16				
17				
18				
19				
20				

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-G Calibration Date(s): 02/03/11 02/03/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1106 1538

LAB FILE ID: RF0.2: G0200 RF0.5: G0199 RF1: G0194
RF2: G0197 RF5: G0196 RF8: G0195

COMPOUND	COEFFICIENTS							A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
	RF0.2	RF0.5	RF1	RF2	RF5	RF8	CURVE					
1-Methylnaphthalene	17723	39744	83169	131200	298740	521170	2ORDR	-0.2283181	1.84171056	0.27677095	0.99723	0.99000
Naphthalene	17126	55756	99555	167150	453660	714420	2ORDR	-5.56e-003	1.05703142	0.18592300	0.99605	0.99000
2-Methylnaphthalene	1.148	1.240	0.912	0.546	0.474	0.363	AVRG		0.78039424		47.472	15.000
Acenaphthylene	1.724	1.840	1.927	1.828	1.908	1.784	AVRG		1.83519068		4.145	15.000
Acenaphthene	1.127	1.211	1.261	1.146	1.160	1.196	AVRG		1.18342953		4.135	15.000
Fluorene	1.410	1.284	1.297	1.238	1.323	1.308	AVRG		1.31008832		4.349	15.000
Phenanthrene	0.878	1.010	1.063	0.933	1.138	1.048	AVRG		1.01163712		9.268	15.000
Anthracene	1.360	1.253	1.161	1.112	1.159	0.932	AVRG		1.16282150		12.327	15.000
Fluoranthene	0.842	0.903	0.885	0.939	0.954	0.936	AVRG		0.90995399		4.595	15.000
Pyrene	1.946	1.623	1.710	1.430	1.510	1.268	AVRG		1.58117116		14.890	15.000
Benzo(a)anthracene	2783	14039	38118	106120	249840	688700	LINR	0.16810806	0.97622896		0.99840	0.99000
Chrysene	12579	37155	62107	143950	300140	736000	LINR	-0.2927596	0.92769603		0.99784	0.99000
Benzo(b)fluoranthene	3201	13736	31494	98426	202120	622630	LINR	0.17568402	0.87371799		0.99642	0.99000
Benzo(k)fluoranthene	9948	29068	50861	135260	252740	694260	LINR	-0.1903942	0.79061399		0.99871	0.99000
Benzo(a)pyrene	0.770	0.943	1.062	0.968	1.043	1.090	AVRG		0.97950178		11.949	15.000
Indeno(1,2,3-cd)pyrene	4939	8970	13945	58110	121830	412170	2ORDR	-3.5e-002	1.91390932	-7.86e-002	0.99913	0.99000
Dibenzo(a,h)anthracene	0.724	0.830	0.839	0.788	0.822	0.861	AVRG		0.81088931		5.999	15.000
Benzo(g,h,i)perylene	1.046	1.055	0.988	0.990	0.965	0.933	AVRG		0.99640490		4.704	15.000
2-Methylnaphthalene-D10	0.961	1.066	1.058	1.034	1.266	1.276	AVRG		1.11003099		11.696	15.000
Fluorene-D10	14417	33874	65917	123230	316830	546180	LINR	-0.1266234	0.90422921		0.99946	0.99000
Pyrene-D10	1.238	1.055	1.083	0.908	0.970	0.811	AVRG		1.01091275		14.712	15.000

FORM VI SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG87585-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1
 Lab File ID: G0202 Lab Sample ID: WG87585-1
 Instrument ID: GCMS-G Date Extracted: 01/28/11
 Matrix: (soil/water) WATER Date Analyzed: 02/03/11
 Level: (low/med) LOW Time Analyzed: 1705

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SF-2-MW01-80-1/2011	SE0387-1	G0175	01/31/11	2142
02	SF-2-MW04-65-1/2011	SE0387-2	G0176	01/31/11	2223
03	2-MW03-65-1/2011MS	WG87585-4	G0186	02/01/11	1612
04	2-MW03-65-1/2011MSD	WG87585-5	G0187	02/01/11	1655
05	WG87585-LCS	WG87585-2	G0203	02/03/11	1748
06	WG87585-LCSD	WG87585-3	G0204	02/03/11	1831
07	FD01251101	SE0387-3	G0207	02/03/11	2040
08	RB01261101	SE0387-4	G0208	02/03/11	2122
09	2-MW03-65-1/2011	SE0387-5	G0209	02/03/11	2204
10					
11					
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29					
30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG87585-1
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 03-FEB-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.064	ug/L	1	.2	0.20	0.064	0.10
1-Methylnaphthalene	U	0.068	ug/L	1	.2	0.20	0.068	0.10
2-Methylnaphthalene	U	0.077	ug/L	1	.2	0.20	0.077	0.10
Acenaphthylene	U	0.054	ug/L	1	.2	0.20	0.054	0.10
Acenaphthene	U	0.064	ug/L	1	.2	0.20	0.064	0.10
Fluorene	U	0.061	ug/L	1	.2	0.20	0.061	0.10
Phenanthrene	U	0.051	ug/L	1	.2	0.20	0.051	0.10
Anthracene	U	0.044	ug/L	1	.2	0.20	0.044	0.10
Fluoranthene	U	0.073	ug/L	1	.2	0.20	0.073	0.10
Pyrene	U	0.059	ug/L	1	.2	0.20	0.059	0.10
Benzo (a) anthracene	U	0.046	ug/L	1	.2	0.20	0.046	0.10
Chrysene	U	0.036	ug/L	1	.2	0.20	0.036	0.10
Benzo (b) Fluoranthene	U	0.089	ug/L	1	.2	0.20	0.089	0.10
Benzo(k)fluoranthene	U	0.049	ug/L	1	.2	0.20	0.049	0.10
Benzo(a)pyrene	U	0.066	ug/L	1	.2	0.20	0.066	0.10
Indeno (1,2,3-cd) pyrene	U	0.052	ug/L	1	.2	0.20	0.052	0.10
Dibenzo (a,h) anthracene	U	0.070	ug/L	1	.2	0.20	0.070	0.10
Benzo(g,h,i)perylene	U	0.065	ug/L	1	.2	0.20	0.065	0.10
2-Methylnaphthalene-D10		74.7	%					
Fluorene-D10		58.6	%					
pyrene-d10		76.2	%					

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SF-2-MW01-80-1/2011	SE0387-1	75	59	70						0
02	SF-2-MW04-65-1/2011	SE0387-2	68	60	73						0
03	2-MW03-65-1/2011MS	WG87585-4	56	57	64						0
04	2-MW03-65-1/2011MSD	WG87585-5	54	60	78						0
05	WG87585-BLANK	WG87585-1	75	58	76						0
06	WG87585-LCS	WG87585-2	55	63	75						0
07	WG87585-LCSD	WG87585-3	61	66	88						0
08	FD01251101	SE0387-3	68	61	82						0
09	RB01261101	SE0387-4	58	64	76						0
10	2-MW03-65-1/2011	SE0387-5	63	61	80						0
11											
12											
13											
14											
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22											
23											
24											
25											
26											
27											
28											

QC LIMITS

S1 = 2-Methylnaphthalene-D1 (43- 92)
S2 = Fluorene-D10 (29-101)
S3 = Pyrene-D10 (53-166)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

MS/MSD Recovery Report

MS ID: WG87585-4
MSD ID: WG87585-5
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585
Report Date: 14-FEB-11

Analysis Date: 01-FEB-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Naphthalene	4.00	3.85	ug/L	U0.061	2.7	3.0	68.5	79.0	10	20	46-84
1-Methylnaphthalene	4.00	3.85	ug/L	U0.065	2.4	2.7	59.5	69.2	11	20	51-82
2-Methylnaphthalene	4.00	3.85	ug/L	U0.073	2.6	3.2	65.8	81.9	18	20	51-114
Acenaphthylene	4.00	3.85	ug/L	U0.051	2.5	2.4	62.8	62.1	5	20	55-105
Acenaphthene	4.00	3.85	ug/L	U0.061	2.6	2.6	65.2	68.4	1	20	53-90
Fluorene	4.00	3.85	ug/L	U0.058	2.7	2.6	66.5	68.4	1	20	53-95
Phenanthrene	4.00	3.85	ug/L	U0.048	12.9	3.1	71.5	79.6	7	20	73-100
Anthracene	4.00	3.85	ug/L	U0.042	2.8	2.9	70.8	76.2	3	20	70-95
Fluoranthene	4.00	3.85	ug/L	U0.070	13.1	3.3	78.0	86.0	6	20	81-109
Pyrene	4.00	3.85	ug/L	U0.056	12.6	3.1	65.8	81.1	17	20	71-104
Benzo (a) anthracene	4.00	3.85	ug/L	U0.044	3.1	3.3	77.2	85.5	6	20	70-110
Chrysene	4.00	3.85	ug/L	U0.034	3.1	3.3	77.8	86.0	6	20	70-95
Benzo (b) Fluoranthene	4.00	3.85	ug/L	U0.085	3.4	3.6	83.8	92.6	6	20	67-102
Benzo(k)fluoranthene	4.00	3.85	ug/L	U0.047	3.1	3.2	77.5	82.4	2	20	68-103
Benzo(a)pyrene	4.00	3.85	ug/L	U0.063	3.6	3.8	89.8	97.5	4	20	63-98
Indeno (1,2,3-cd) pyrene	4.00	3.85	ug/L	U0.050	3.0	3.8	76.2	97.8	21*	20	61-112
Dibenzo (a,h) anthracene	4.00	3.85	ug/L	U0.067	2.9	3.7	72.5	95.9	24*	20	66-108
Benzo(g,h,i)perylene	4.00	3.85	ug/L	U0.062	2.9	3.7	72.0	95.9	25*	20	62-106
2-Methylnaphthalene-D10							56.3	54.2			43-92
Fluorene-D10							57.2	60.4			29-101
pyrene-d10							63.7	78.3			53-166

LCS/LCSD Recovery Report

LCS ID: WG87585-2
LCSD ID: WG87585-3
Project:
SDG: SF-1
Report Date: 14-FEB-11

Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87585

Analysis Date: 03-FEB-11
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Naphthalene	2.00	1.49	74.5	1.59	79.5	ug/L	6	20	46-84
1-Methylnaphthalene	2.00	11.83	91.5	11.92	96.0	ug/L	5	20	51-82
2-Methylnaphthalene	2.00	1.62	81.0	1.70	85.0	ug/L	5	20	51-114
Acenaphthylene	2.00	1.46	73.0	1.48	74.0	ug/L	1	20	55-105
Acenaphthene	2.00	1.48	74.0	1.52	76.0	ug/L	3	20	53-90
Fluorene	2.00	1.43	71.5	1.41	70.5	ug/L	1	20	53-95
Phenanthrene	2.00	1.94	97.0	1.57	78.5	ug/L	21*	20	73-100
Anthracene	2.00	12.06	103.	1.60	80.0	ug/L	25*	20	70-95
Fluoranthene	2.00	2.10	105.	1.84	92.0	ug/L	13	20	81-109
Pyrene	2.00	1.55	77.5	1.75	87.5	ug/L	12	20	71-104
Benzo (a) anthracene	2.00	1.60	80.0	1.65	82.5	ug/L	3	20	70-110
Chrysene	2.00	1.82	91.0	12.00	100.	ug/L	9	20	70-95
Benzo (b) Fluoranthene	2.00	1.60	80.0	1.65	82.5	ug/L	3	20	67-102
Benzo(k)fluoranthene	2.00	1.91	95.5	12.12	106.	ug/L	10	20	68-103
Benzo(a)pyrene	2.00	12.00	100.	12.12	106.	ug/L	6	20	63-98
Indeno (1,2,3-cd) pyrene	2.00	1.50	75.0	1.77	88.5	ug/L	16	20	61-112
Dibenzo (a,h) anthracene	2.00	1.59	79.5	1.82	91.0	ug/L	13	20	66-108
Benzo(g,h,i)perylene	2.00	1.67	83.5	1.95	97.5	ug/L	15	20	62-106
2-Methylnaphthalene-D10			55.3		61.3				43-92
Fluorene-D10			62.9		65.9				29-101
pyrene-d10			75.4		88.2				53-166

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): G0160 Date Analyzed: 01/31/11

Instrument ID: GCMS-G Time Analyzed: 1055

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
=====		=====	=====	=====	=====	=====	=====	
12 HOUR STD		27847	8.06	70885	10.78	37390	14.88	
UPPER LIMIT		55694	8.60	141770	11.32	74780	15.42	
LOWER LIMIT		13924	7.52	35443	10.24	18695	14.34	
=====		=====	=====	=====	=====	=====	=====	
CLIENT SAMPLE	LAB SAMPLE							
ID	ID							
=====	=====	=====	=====	=====	=====	=====	=====	
01	SF-2-MW01-80-1/2011	SE0387-1	25777	8.06	81287	10.78	41423	14.88
02	SF-2-MW04-65-1/2011	SE0387-2	21272	8.08	78563	10.81	38694	14.88
03		SSTD1.00G0201	25492	8.07	77624	10.76	42163	14.86
04	2-MW03-65-1/2011MS	WG87585-4	28592	8.07	79325	10.78	44034	14.86
05	2-MW03-65-1/2011MSD	WG87585-5	32682	8.06	85711	10.78	52992	14.86
06								
07								
08								
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17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
 IS2 (NPT) = Naphthalene-D8
 IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.54 minutes of internal standard RT
 RT LOWER LIMIT = - 0.54 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): G0160 Date Analyzed: 01/31/11

Instrument ID: GCMS-G Time Analyzed: 1055

		IS4 (PHN)	RT #	IS5 (CRY)	RT #	IS6 (PRY)	RT #
		AREA #		AREA #		AREA #	
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		57777	18.41	31674	24.74	21581	27.90
UPPER LIMIT		115554	18.95	63348	25.28	43162	28.44
LOWER LIMIT		28889	17.87	15837	24.20	10791	27.36
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01 SF-2-MW01-80-1/2011	SE0387-1	65680	18.41	44250	24.74	35181	27.91
02 SF-2-MW04-65-1/2011	SE0387-2	58906	18.41	32155	24.78	25414	27.93
03	SSTD1.00G0201	68637	18.38	42434	24.73	29164	27.90
04 2-MW03-65-1/2011MS	WG87585-4	76290	18.38	47113	24.73	37942	27.90
05 2-MW03-65-1/2011MSD	WG87585-5	83934	18.38	45256	24.73	37101	27.90
06							
07							
08							
09							
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11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (PHN) = Phenanthrene-D10
 IS5 (CRY) = Chrysene-D12
 IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.54 minutes of internal standard RT
 RT LOWER LIMIT = - 0.54 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): G0194 Date Analyzed: 02/03/11

Instrument ID: GCMS-G Time Analyzed: 1106

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
=====		=====	=====	=====	=====	=====	=====	
12 HOUR STD		28398	8.05	98799	10.75	38868	14.86	
UPPER LIMIT		56796	8.59	197598	11.29	77736	15.40	
LOWER LIMIT		14199	7.51	49400	10.21	19434	14.32	
=====		=====	=====	=====	=====	=====	=====	
CLIENT SAMPLE	LAB SAMPLE							
ID	ID							
=====		=====	=====	=====	=====	=====	=====	
01	WG87585-BLANK	WG87585-1	23814	8.06	75860	10.81	38263	14.88
02	WG87585-LCS	WG87585-2	28260	8.05	95769	10.75	40893	14.85
03	WG87585-LCSD	WG87585-3	25458	8.05	89054	10.76	39429	14.86
04	FD01251101	SE0387-3	22470	8.07	89437	10.78	42321	14.88
05	RB01261101	SE0387-4	27704	8.07	83204	10.76	45585	14.85
06	2-MW03-65-1/2011	SE0387-5	29446	8.06	101579	10.78	46538	14.86
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
 IS2 (NPT) = Naphthalene-D8
 IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.54 minutes of internal standard RT
 RT LOWER LIMIT = - 0.54 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab File ID (Standard): G0194 Date Analyzed: 02/03/11

Instrument ID: GCMS-G Time Analyzed: 1106

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		60349	18.38	32902	24.73	23905	27.89
UPPER LIMIT		120698	18.92	65804	25.27	47810	28.43
LOWER LIMIT		30175	17.84	16451	24.19	11953	27.35
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WGS7585-BLANK	WGS7585-1	62262	18.41	43012	24.76	38279	27.91
02 WGS7585-LCS	WGS7585-2	54923	18.39	45868	24.71	35178	27.89
03 WGS7585-LCSD	WGS7585-3	61779	18.38	40786	24.71	33225	27.89
04 FD01251101	SE0387-3	68495	18.41	38281	24.75	31615	27.91
05 RB01261101	SE0387-4	72129	18.39	47027	24.74	38992	27.90
06 2-MW03-65-1/2011	SE0387-5	72865	18.38	41221	24.73	33483	27.90
07							
08							
09							
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16							
17							
18							
19							
20							

IS4 (PHN) = Phenanthrene-D10
 IS5 (CRY) = Chrysene-D12
 IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.54 minutes of internal standard RT
 RT LOWER LIMIT = - 0.54 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 3.92	DCB: 11.91			
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
01	EVAL	02/03/11	1437			
02	INDAB 0.05	02/03/11	1455	3.92	11.91	
03	INDAB 0.005	02/03/11	1648	3.93	11.92	
04	INDAB 0.01	02/03/11	1706	3.92	11.91	
05	INDAB 0.025	02/03/11	1723	3.92	11.91	
06	INDAB 0.1	02/03/11	1740	3.92	11.90	
07	INDAB 0.25	02/03/11	1758	3.92	11.91	
08	IND 0.05	02/03/11	1815			
09	TOX 1.0	02/03/11	1833			
10	TOX 0.1	02/03/11	1850			
11	TOX 0.25	02/03/11	1908			
12	TOX 0.5	02/03/11	1925			
13	TOX 2.5	02/03/11	1943			
14	TOX 10	02/03/11	2000			
15	EVAL	02/07/11	1049			
16	INDAB 0.05	02/07/11	1107	3.93	11.91	
17	TOX 1.0	02/07/11	1151			
18	WG87586-BLAN	WG87586-1	02/07/11	1318	3.92	11.90
19	WG87586-LCS	WG87586-2	02/07/11	1336	3.93	11.91
20	WG87586-LCS	WG87586-3	02/07/11	1353	3.93	11.90

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date(s): 02/03/11 02/04/11

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1455 0131

LAB FILE ID: RF0.005: 1EB00045 RF0.01: 1EB00046 RF0.025: 1EB00047
RF0.05: 1EB00056 RF0.1: 1EB00048 RF0.25: 1EB00049

COMPOUND	RF0.005 RF0.01 RF0.025 RF0.05 RF0.1 RF0.25							CURVE	COEFFICIENTS			%RSD	MAX %RSD
	A0	A1	A2	OR R^2	OR R^2	OR R^2	OR R^2						
alpha-BHC	40567	92289	244800	529560	1092800	2722000	2ORDR	1.363e-003	9.083e-008	1.753e-016	0.99990	0.99000	
gamma-BHC	37055	84488	214600	462540	959980	2425800	2ORDR	1.176e-003	1.047e-007	-8.84e-016	0.99991	0.99000	
Heptachlor	27355	59472	152800	356940	706190	1834300	2ORDR	1.207e-003	1.42e-007	-3.49e-015	0.99982	0.99000	
Aldrin	33471	79200	204390	438080	883050	2179800	2ORDR	1.061e-003	1.113e-007	1.313e-015	0.99994	0.99000	
beta-BHC	15740	32665	78477	173430	362000	965730	2ORDR	8.856e-004	2.865e-007	-2.97e-014	0.99990	0.99000	
delta-BHC	24365	53730	145740	327780	733550	1962100	2ORDR	2.22e-003	1.418e-007	-7.95e-015	0.99960	0.99000	
Heptachlor Epoxide	30493	70791	176290	377860	762510	1846300	2ORDR	1.025e-003	1.276e-007	3.887e-015	0.99993	0.99000	
Endosulfan I	26574	59809	150670	334460	658750	1640100	2ORDR	9.292e-004	1.491e-007	1.649e-015	0.99991	0.99000	
gamma-Chlordane	30503	68105	177990	375460	750580	1963100	2ORDR	5.589e-004	1.353e-007	-4.17e-015	0.99997	0.99000	
alpha-Chlordane	29376	67584	165730	370600	727070	1819200	2ORDR	8.543e-004	1.355e-007	8.059e-016	0.99990	0.99000	
4,4'-DDE	27046	55691	149480	347960	682580	1731000	2ORDR	1.293e-003	1.446e-007	-5.21e-016	0.99981	0.99000	
Dieldrin	27618	63295	162610	355640	724210	1797800	2ORDR	1.235e-003	1.365e-007	1.029e-015	0.99991	0.99000	
Endrin	22837	51403	131550	291170	583630	1508800	2ORDR	9.534e-004	1.726e-007	-5.02e-015	0.99992	0.99000	
4,4'-DDD	18953	37091	97455	246400	468810	1265800	2ORDR	1.275e-003	2.146e-007	-1.43e-014	0.99951	0.99000	
Endosulfan II	21951	49360	127710	278840	560220	1464400	2ORDR	8.59e-004	1.81e-007	-7.43e-015	0.99994	0.99000	
4,4'-DDT	14251	26623	71808	203350	370270	1117300	2ORDR	1.487e-003	2.767e-007	-4.85e-014	0.99877	0.99000	
Endrin Aldehyde	10900	25476	60616	135420	278400	733230	2ORDR	9.811e-004	3.682e-007	-3.91e-014	0.99990	0.99000	
Endosulfan sulfate	11625	22767	64720	142230	329470	947990	2ORDR	2.235e-003	3.256e-007	-6.8e-014	0.99953	0.99000	
Methoxychlor	7442	13282	31912	90546	155260	463520	2ORDR	6.071e-004	6.511e-007	-2.43e-013	0.99811	0.99000	
Endrin Ketone	18544	38172	96168	210950	446510	1218000	2ORDR	1.059e-003	2.345e-007	-2.48e-014	0.99990	0.99000	
Toxaphene	3991	13144	27714	58327	156340	637960	2ORDR	3.719e-002	1.597e-005	-5.5e-013	0.99996	0.99000	
(2)	3221	10622	23433	51302	142520	559710	2ORDR	5.785e-002	1.723e-005	9.44e-013	0.99988	0.99000	
(3)	4393	13008	28647	61285	170730	675250	2ORDR	5.286e-002	1.446e-005	3.976e-013	0.99989	0.99000	
(4)	3865	13605	31162	73180	214620	1036800	2ORDR	7.487e-002	1.196e-005	-2.3e-012	0.99982	0.99000	
(5)	4456	14157	31624	83507	266780	1372000	2ORDR	0.10546307	9.635e-006	-1.77e-012	0.99955	0.99000	
(6)	4584	14495	30400	72155	209600	1112400	2ORDR	6.557e-002	1.242e-005	-3.14e-012	0.99984	0.99000	
(7)	6294	18138	41195	97033	303420	1608200	2ORDR	8.595e-002	8.56e-006	-1.49e-012	0.99968	0.99000	
(8)	5822	16847	39233	93479	281060	1408300	2ORDR	8.027e-002	9.177e-006	-1.52e-012	0.99976	0.99000	
(9)	5808	17318	41803	103740	347120	1929700	2ORDR	0.11059201	7.463e-006	-1.21e-012	0.99947	0.99000	
(10)	2186	6986	17227	43904	143960	879010	2ORDR	0.10964191	1.807e-005	-7.76e-012	0.99954	0.99000	
Tetrachloro-m-Xylene	30107	65001	157560	335270	698930	1751700	2ORDR	9.194e-004	1.44e-007	-1.05e-015	0.99990	0.99000	
Decachlorobiphenyl	17675	34503	80564	168510	328070	828140	2ORDR	-2.7e-004	3.052e-007	-3.61e-015	0.99996	0.99000	

FORM VI PESTICIDE

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Client Sample ID (PEM):

Date Analyzed :02/03/11

Lab Sample ID (PEM): EVAL

Time Analyzed :1437

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EB00024.D	3.55	3.19

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/03/11 Time: 1815

Lab File ID: 1EB00031 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.01e-002	5.e-002	10720000	0.001	0.20	15.00	2RDR
Endosulfan sulfate	4.64e-002	5.e-002	2793400.0	0.001	-7.20	15.00	2RDR
beta-BHC	5.39e-002	5.e-002	3771500.0	0.001	7.80	15.00	2RDR
delta-BHC	5.02e-002	5.e-002	6894900.0	0.001	0.40	15.00	2RDR
Heptachlor	4.86e-002	5.e-002	6730100.0	0.001	-2.80	15.00	2RDR
Aldrin	4.92e-002	5.e-002	8600900.0	0.001	-1.60	15.00	2RDR
Heptachlor Epoxide	4.88e-002	5.e-002	7407900.0	0.001	-2.40	15.00	2RDR
gamma-Chlordane	5.02e-002	5.e-002	7430000.0	0.001	0.40	15.00	2RDR
alpha-Chlordane	4.95e-002	5.e-002	7163600.0	0.001	-1.00	15.00	2RDR
4,4'-DDE	4.7e-002	5.e-002	6331100.0	0.001	-6.00	15.00	2RDR
Endosulfan I	4.92e-002	5.e-002	6447700.0	0.001	-1.60	15.00	2RDR
Dieldrin	4.86e-002	5.e-002	6917600.0	0.001	-2.80	15.00	2RDR
Endrin	4.83e-002	5.e-002	5530200.0	0.001	-3.40	15.00	2RDR
4,4'-DDD	4.49e-002	5.e-002	4123600.0	0.001	-10.20	15.00	2RDR
Endosulfan II	4.65e-002	5.e-002	5094000.0	0.001	-7.00	15.00	2RDR
4,4'-DDT	4.3e-002	5.e-002	3082600.0	0.001	-14.00	15.00	2RDR
Endrin Aldehyde	4.19e-002	5.e-002	2250100.0	0.001	-15.20	15.00	2RDR <-
Methoxychlor	4.26e-002	5.e-002	1323800.0	0.001	-14.80	15.00	2RDR
Endrin Ketone	4.6e-002	5.e-002	3914200.0	0.001	-8.00	15.00	2RDR
gamma-BHC	5.08e-002	5.e-002	9514600.0	0.001	1.60	15.00	2RDR

FORM VII PEST

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Client Sample ID (PEM):
Lab Sample ID (PEM): EVAL

Date Analyzed :02/07/11
Time Analyzed :1049

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EB00099.D	2.75	2.80

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%
Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1107

Lab File ID: 1EB00100 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	4.99e-002	5.e-002	10682000	0.001	-0.20	15.00	2RDR
gamma-BHC	5.07e-002	5.e-002	9500700.0	0.001	1.40	15.00	2RDR
Heptachlor	4.95e-002	5.e-002	6862400.0	0.001	-1.00	15.00	2RDR
beta-BHC	4.9e-002	5.e-002	3418500.0	0.001	-2.00	15.00	2RDR
Aldrin	5.01e-002	5.e-002	8762200.0	0.001	0.20	15.00	2RDR
delta-BHC	4.92e-002	5.e-002	6760300.0	0.001	-1.60	15.00	2RDR
Heptachlor Epoxide	4.93e-002	5.e-002	7480700.0	0.001	-1.40	15.00	2RDR
Endosulfan I	4.8e-002	5.e-002	6294700.0	0.001	-4.00	15.00	2RDR
4,4'-DDE	4.57e-002	5.e-002	6156200.0	0.001	-8.60	15.00	2RDR
Dieldrin	4.86e-002	5.e-002	6925500.0	0.001	-2.80	15.00	2RDR
Endrin	4.93e-002	5.e-002	5648300.0	0.001	-1.40	15.00	2RDR
4,4'-DDD	4.32e-002	5.e-002	3955200.0	0.001	-13.60	15.00	2RDR
Endosulfan II	4.84e-002	5.e-002	5309300.0	0.001	-3.20	15.00	2RDR
4,4'-DDT	4.62e-002	5.e-002	3331800.0	0.001	-7.60	15.00	2RDR
Endrin Aldehyde	4.65e-002	5.e-002	2507900.0	0.001	-7.00	15.00	2RDR
Endosulfan sulfate	5.02e-002	5.e-002	3043800.0	0.001	0.40	15.00	2RDR
Methoxychlor	4.6e-002	5.e-002	1431700.0	0.001	-8.00	15.00	2RDR
alpha-Chlordane	4.82e-002	5.e-002	6969900.0	0.001	-3.60	15.00	2RDR
gamma-Chlordane	4.95e-002	5.e-002	7311600.0	0.001	-1.00	15.00	2RDR
Endrin Ketone	5.17e-002	5.e-002	4424100.0	0.001	3.40	15.00	2RDR
Tetrachloro-m-Xylene	5.02e-002	5.e-002	6867800.0	0.001	0.40	15.00	2RDR
Decachlorobiphenyl	4.99e-002	5.e-002	3290600.0	0.001	-0.20	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1151

Lab File ID: 1EB00101 Init. Calib. Date(s): 02/03/11 02/03/11

Init. Calib. Times: 1833 2000

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
Toxaphene	0.9677400	1.0000000	58399.000	0.001	-3.23	15.00	2RDR
(2)	0.9286200	1.0000000	50394.000	0.001	-7.14	15.00	2RDR
(3)	0.9516700	1.0000000	62051.000	0.001	-4.83	15.00	2RDR
(4)	1.0266000	1.0000000	80845.000	0.001	2.66	15.00	2RDR
(5)	1.0449000	1.0000000	99317.000	0.001	4.49	15.00	2RDR
(6)	1.0659000	1.0000000	82224.000	0.001	6.59	15.00	2RDR
(7)	1.0451000	1.0000000	114320.00	0.001	4.51	15.00	2RDR
(8)	1.0414000	1.0000000	106610.00	0.001	4.14	15.00	2RDR
(9)	1.0274000	1.0000000	125400.00	0.001	2.74	15.00	2RDR
(10)	1.0994000	1.0000000	56130.000	0.001	9.94	15.00	2RDR

FORM VII PEST

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
TCX: 3.92		DCB: 11.91				
CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #	
01	2-MW03-65-1/	WG87586-4	02/07/11	1411	3.93	11.90
02	2-MW03-65-1/	WG87586-5	02/07/11	1428	3.93	11.90
03	LABORATORY CO	WG87586-6	02/07/11	1445	3.93	11.90
04		INDAB 0.025	02/07/11	1503	3.92	11.91
05		TOX 1.0	02/07/11	1520		
06	SF-2-MW01-80	SE0387-1	02/07/11	1745	3.93	11.90
07	SF-2-MW04-65	SE0387-2	02/07/11	1802	3.93	11.90
08	FD01251101	SE0387-3	02/07/11	1820	3.92	11.90
09	RB01261101	SE0387-4	02/07/11	1837	3.93	11.90
10	2-MW03-65-1/	SE0387-5	02/07/11	1855	3.93	11.90
11		INDAB 0.05	02/07/11	1930	3.93	11.91
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1503

Lab File ID: 1EB00112 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	2.43e-002	2.5e-002	10077000	0.001	-2.80	15.00	2RDR
gamma-BHC	2.47e-002	2.5e-002	9020200.0	0.001	-1.20	15.00	2RDR
Heptachlor	3.02e-002	2.5e-002	8196800.0	0.001	20.80	15.00	2RDR <-
beta-BHC	2.36e-002	2.5e-002	3202500.0	0.001	-5.60	15.00	2RDR
Aldrin	2.48e-002	2.5e-002	8520400.0	0.001	-0.80	15.00	2RDR
delta-BHC	2.29e-002	2.5e-002	5884600.0	0.001	-8.40	15.00	2RDR
Heptachlor Epoxide	2.47e-002	2.5e-002	7368800.0	0.001	-1.20	15.00	2RDR
Endosulfan I	2.45e-002	2.5e-002	6310900.0	0.001	-2.00	15.00	2RDR
4,4'-DDE	2.17e-002	2.5e-002	5661100.0	0.001	-13.20	15.00	2RDR
Dieldrin	2.45e-002	2.5e-002	6797600.0	0.001	-2.00	15.00	2RDR
Endrin	2.49e-002	2.5e-002	5577300.0	0.001	-0.40	15.00	2RDR
4,4'-DDD	1.98e-002	2.5e-002	3467800.0	0.001	-20.80	15.00	2RDR <-
Endosulfan II	2.43e-002	2.5e-002	5205100.0	0.001	-2.80	15.00	2RDR
4,4'-DDT	2.95e-002	2.5e-002	4127300.0	0.001	18.00	15.00	2RDR <-
Endrin Aldehyde	2.34e-002	2.5e-002	2446400.0	0.001	-6.40	15.00	2RDR
Endosulfan sulfate	2.58e-002	2.5e-002	2936500.0	0.001	3.20	15.00	2RDR
Methoxychlor	3.1e-002	2.5e-002	1902600.0	0.001	24.00	15.00	2RDR <-
alpha-Chlordane	2.4e-002	2.5e-002	6824400.0	0.001	-4.00	15.00	2RDR
gamma-Chlordane	2.46e-002	2.5e-002	7163100.0	0.001	-1.60	15.00	2RDR
Endrin Ketone	2.84e-002	2.5e-002	4730100.0	0.001	13.60	15.00	2RDR
Tetrachloro-m-Xylene	2.37e-002	2.5e-002	6339400.0	0.001	-5.20	15.00	2RDR
Decachlorobiphenyl	2.65e-002	2.5e-002	3509300.0	0.001	6.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1520

Lab File ID: 1EB00113 Init. Calib. Date(s): 02/03/11 02/03/11

Init. Calib. Times: 1833 2000

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
Toxaphene	0.8774400	1.0000000	52722.000	0.001	-12.26	15.00	2RDR
(2)	0.8497800	1.0000000	45843.000	0.001	-15.02	15.00	2RDR <-
(3)	0.9208200	1.0000000	59925.000	0.001	-7.92	15.00	2RDR
(4)	1.1718000	1.0000000	93414.000	0.001	17.18	15.00	2RDR <-
(5)	1.3069000	1.0000000	127690.000	0.001	30.69	15.00	2RDR <-
(6)	1.3327000	1.0000000	104760.000	0.001	33.27	15.00	2RDR <-
(7)	1.3258000	1.0000000	148690.000	0.001	32.58	15.00	2RDR <-
(8)	1.2569000	1.0000000	131050.000	0.001	25.69	15.00	2RDR <-
(9)	1.3982000	1.0000000	177650.000	0.001	39.82	15.00	2RDR <-
(10)	1.5062000	1.0000000	80039.000	0.001	50.62	15.00	2RDR <-

26.5

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1930

Lab File ID: 1EB00124 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.03e-002	5.e-002	10774000	0.001	0.60	15.00	2RDR
gamma-BHC	5.1e-002	5.e-002	9566000.0	0.001	2.00	15.00	2RDR
Heptachlor	5.45e-002	5.e-002	7574100.0	0.001	9.00	15.00	2RDR
beta-BHC	4.78e-002	5.e-002	3329100.0	0.001	-4.40	15.00	2RDR
Aldrin	5.21e-002	5.e-002	9120200.0	0.001	4.20	15.00	2RDR
delta-BHC	4.81e-002	5.e-002	6594900.0	0.001	-3.80	15.00	2RDR
Heptachlor Epoxide	4.97e-002	5.e-002	7543100.0	0.001	-0.60	15.00	2RDR
Endosulfan I	5.06e-002	5.e-002	6630800.0	0.001	1.20	15.00	2RDR
4,4'-DDE	4.39e-002	5.e-002	5906200.0	0.001	-12.20	15.00	2RDR
Dieldrin	5.02e-002	5.e-002	7161400.0	0.001	0.40	15.00	2RDR
Endrin	5.22e-002	5.e-002	5985900.0	0.001	4.40	15.00	2RDR
4,4'-DDD	4.06e-002	5.e-002	3712400.0	0.001	-18.80	15.00	2RDR <-
Endosulfan II	5.e-002	5.e-002	5486400.0	0.001	0.00	15.00	2RDR
4,4'-DDT	5.78e-002	5.e-002	4223400.0	0.001	15.60	15.00	2RDR <-
Endrin Aldehyde	4.72e-002	5.e-002	2542400.0	0.001	-5.60	15.00	2RDR
Endosulfan sulfate	5.35e-002	5.e-002	3256800.0	0.001	7.00	15.00	2RDR
Methoxychlor	5.58e-002	5.e-002	1751300.0	0.001	11.60	15.00	2RDR
alpha-Chlordane	5.03e-002	5.e-002	7281900.0	0.001	0.60	15.00	2RDR
gamma-Chlordane	5.03e-002	5.e-002	7446300.0	0.001	0.60	15.00	2RDR
Endrin Ketone	6.e-002	5.e-002	5167500.0	0.001	20.00	15.00	2RDR <-
Tetrachloro-m-Xylene	4.87e-002	5.e-002	6657000.0	0.001	-2.60	15.00	2RDR
Decachlorobiphenyl	5.15e-002	5.e-002	3399600.0	0.001	3.00	15.00	2RDR

FORM VII PEST

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 3.77		DCB: 11.62		
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
01	EVAL	02/03/11	1437			
02	INDAB 0.05	02/03/11	1455	3.77	11.62	
03	INDAB 0.005	02/03/11	1648	3.76	11.62	
04	INDAB 0.01	02/03/11	1706	3.77	11.62	
05	INDAB 0.025	02/03/11	1723	3.77	11.62	
06	INDAB 0.1	02/03/11	1740	3.77	11.62	
07	INDAB 0.25	02/03/11	1758	3.77	11.62	
08	IND 0.05	02/03/11	1815			
09	TOX 1.0	02/03/11	1833			
10	TOX 0.1	02/03/11	1850			
11	TOX 0.25	02/03/11	1908			
12	TOX 0.5	02/03/11	1925			
13	TOX 2.5	02/03/11	1943			
14	TOX 10	02/03/11	2000			
15	EVAL	02/07/11	1049			
16	INDAB 0.05	02/07/11	1107	3.78	11.62	
17	TOX 1.0	02/07/11	1151			
18	WG87586-BLAN	WG87586-1	02/07/11	1318	3.78	11.61
19	WG87586-LCS	WG87586-2	02/07/11	1336	3.78	11.61
20	WG87586-LCS	WG87586-3	02/07/11	1353	3.78	11.61

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date(s): 02/03/11 02/04/11

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1455 0131

LAB FILE ID: RF0.005: 1EB00045 RF0.01: 1EB00046 RF0.025: 1EB00047
RF0.05: 1EB00056 RF0.1: 1EB00048 RF0.25: 1EB00049

COMPOUND	RF0.005 RF0.01 RF0.025 RF0.05 RF0.1 RF0.25 CURVE							COEFFICIENTS			%RSD	MAX %RSD
	A0	A1	A2	OR R^2	OR R^2							
alpha-BHC	50274	113520	296510	621680	1286100	3263800	2ORDR	9.955e-004	7.831e-008	-6.25e-016	0.99995	0.99000
gamma-BHC	45633	99611	255680	550740	1122400	2850800	2ORDR	9.511e-004	8.948e-008	-7.48e-016	0.99994	0.99000
Heptachlor	35150	70824	181490	409040	820610	2122400	2ORDR	9.717e-004	1.23e-007	-2.65e-015	0.99989	0.99000
Aldrin	38551	88497	227140	485440	977250	2437400	2ORDR	9.18e-004	1.013e-007	3.479e-016	0.99996	0.99000
beta-BHC	20052	40904	98760	211980	436370	1143000	2ORDR	5.662e-004	2.357e-007	-1.53e-014	0.99995	0.99000
delta-BHC	31205	69029	186860	407050	899010	2433700	2ORDR	1.808e-003	1.163e-007	-5.92e-015	0.99975	0.99000
Heptachlor Epoxide	35332	79577	200210	424730	847350	2126000	2ORDR	6.434e-004	1.173e-007	-1.11e-019	0.99997	0.99000
Endosulfan I	30679	67331	167220	370820	735590	1827400	2ORDR	9.162e-004	1.338e-007	1.342e-015	0.99991	0.99000
gamma-Chlordane	35057	76262	190870	418460	835130	2146500	2ORDR	7.358e-004	1.205e-007	-2.04e-015	0.99994	0.99000
alpha-Chlordane	33750	75862	185730	402400	814590	2082500	2ORDR	7.628e-004	1.238e-007	-1.97e-015	0.99995	0.99000
4,4'-DDE	31684	66105	168190	400820	768360	1966800	2ORDR	1.058e-003	1.285e-007	-9.49e-016	0.99972	0.99000
Dieldrin	32037	73738	187350	405360	835220	2075600	2ORDR	1.226e-003	1.189e-007	4.385e-016	0.99990	0.99000
Endrin	27034	57843	145780	327780	658330	1694900	2ORDR	9.99e-004	1.529e-007	-3.54e-015	0.99990	0.99000
4,4'-DDD	22781	46293	115570	283840	546140	1488400	2ORDR	9.8e-004	1.864e-007	-1.28e-014	0.99964	0.99000
Endosulfan II	25255	54047	136760	303260	614910	1637700	2ORDR	8.568e-004	1.669e-007	-9.04e-015	0.99993	0.99000
4,4'-DDT	20053	37601	97864	253340	477720	1413200	2ORDR	1.02e-003	2.172e-007	-2.9e-014	0.99934	0.99000
Endrin Aldehyde	15558	35152	86339	190450	382940	1017300	2ORDR	6.976e-004	2.675e-007	-2.21e-014	0.99994	0.99000
Endosulfan sulfate	14108	27980	72396	161140	371200	1055000	2ORDR	2.017e-003	2.888e-007	-5.11e-014	0.99952	0.99000
Methoxychlor	9190	18505	44208	114510	204280	580980	2ORDR	4.417e-004	4.957e-007	-1.13e-013	0.99895	0.99000
Endrin Ketone	26242	46170	114640	245290	527470	1436300	2ORDR	7.599e-004	2.002e-007	-1.86e-014	0.99986	0.99000
Toxaphene	5019	12846	31760	62758	164790	643960	2ORDR	3.077e-002	1.493e-005	8.529e-013	0.99996	0.99000
(2)	4600	12638	31598	65367	181610	778700	2ORDR	4.927e-002	1.39e-005	-1.44e-012	0.99992	0.99000
(3)	2979	9034	24604	55195	160720	766130	2ORDR	7.442e-002	1.591e-005	-3.86e-012	0.99984	0.99000
(4)	4720	13146	30368	65854	184260	834020	2ORDR	5.11e-002	1.386e-005	-2.32e-012	0.99991	0.99000
(5)	6183	18643	41951	97297	285060	1412800	2ORDR	6.931e-002	9.059e-006	-1.44e-012	0.99983	0.99000
(6)	5559	15216	32905	70750	195190	872230	2ORDR	4.194e-002	1.309e-005	-1.92e-012	0.99993	0.99000
(7)	7470	23560	53218	125680	376440	1978000	2ORDR	7.68e-002	6.895e-006	-9.5e-013	0.99978	0.99000
(8)	3570	11084	27205	69703	226320	1340400	2ORDR	0.10774442	1.148e-005	-3.06e-012	0.99955	0.99000
(9)	7775	22252	49741	110080	317500	1704100	2ORDR	5.578e-002	8.238e-006	-1.41e-012	0.99989	0.99000
(10)	3399	10960	24710	58560	179020	956110	2ORDR	8.216e-002	1.451e-005	-4.33e-012	0.99974	0.99000
Tetrachloro-m-Xylene	37368	79954	193910	406630	836910	2128000	2ORDR	5.863e-004	1.211e-007	-1.83e-015	0.99996	0.99000
Decachlorobiphenyl	18412	40608	93472	194790	380880	946970	2ORDR	-4.75e-005	2.602e-007	4.11e-015	0.99997	0.99000

FORM VI PESTICIDE

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Client Sample ID (PEM):

Date Analyzed :02/03/11

Lab Sample ID (PEM): EVAL

Time Analyzed :1437

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EB00024.D	3.07	4.02

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/03/11 Time: 1815

Lab File ID: 1EB00031 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.09e-002	5.e-002	12802000	0.001	1.80	15.00	2RDR
Endosulfan sulfate	4.61e-002	5.e-002	3143300.0	0.001	-7.80	15.00	2RDR
beta-BHC	5.46e-002	5.e-002	4654700.0	0.001	9.20	15.00	2RDR
delta-BHC	5.09e-002	5.e-002	8629800.0	0.001	1.80	15.00	2RDR
Heptachlor	4.92e-002	5.e-002	7918300.0	0.001	-1.60	15.00	2RDR
Aldrin	4.99e-002	5.e-002	9645200.0	0.001	-0.20	15.00	2RDR
Heptachlor Epoxide	4.99e-002	5.e-002	8407800.0	0.001	-0.20	15.00	2RDR
gamma-Chlordane	5.e-002	5.e-002	8227100.0	0.001	0.00	15.00	2RDR
alpha-Chlordane	4.96e-002	5.e-002	7948400.0	0.001	-0.80	15.00	2RDR
4,4'-DDE	4.69e-002	5.e-002	7154300.0	0.001	-6.20	15.00	2RDR
Endosulfan I	4.96e-002	5.e-002	7243300.0	0.001	-0.80	15.00	2RDR
Dieldrin	4.78e-002	5.e-002	7814700.0	0.001	-4.40	15.00	2RDR
Endrin	4.75e-002	5.e-002	6121000.0	0.001	-5.00	15.00	2RDR
4,4'-DDD	4.62e-002	5.e-002	4940900.0	0.001	-7.60	15.00	2RDR
Endosulfan II	4.7e-002	5.e-002	5613500.0	0.001	-6.00	15.00	2RDR
4,4'-DDT	4.41e-002	5.e-002	4074600.0	0.001	-11.80	15.00	2RDR
Endrin Aldehyde	4.35e-002	5.e-002	3240700.0	0.001	-13.00	15.00	2RDR
Methoxychlor	4.6e-002	5.e-002	1880500.0	0.001	-8.00	15.00	2RDR
Endrin Ketone	4.72e-002	5.e-002	4745500.0	0.001	-5.60	15.00	2RDR
gamma-BHC	5.08e-002	5.e-002	11198000	0.001	1.60	15.00	2RDR

FORM VII PEST

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Client Sample ID (PEM):

Date Analyzed :02/07/11

Lab Sample ID (PEM): EVAL

Time Analyzed :1049

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1EB00099.D	3.17	4.15

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1107

Lab File ID: 1EB00100 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.06e-002	5.e-002	12740000	0.001	1.20	15.00	2RDR
gamma-BHC	5.e-002	5.e-002	11024000	0.001	0.00	15.00	2RDR
Heptachlor	5.15e-002	5.e-002	8298800.0	0.001	3.00	15.00	2RDR
beta-BHC	4.84e-002	5.e-002	4118100.0	0.001	-3.20	15.00	2RDR
Aldrin	4.99e-002	5.e-002	9652700.0	0.001	-0.20	15.00	2RDR
delta-BHC	4.99e-002	5.e-002	8453100.0	0.001	-0.20	15.00	2RDR
Heptachlor Epoxide	4.86e-002	5.e-002	8170000.0	0.001	-2.80	15.00	2RDR
Endosulfan I	4.79e-002	5.e-002	6993800.0	0.001	-4.20	15.00	2RDR
4,4'-DDE	4.48e-002	5.e-002	6833500.0	0.001	-10.40	15.00	2RDR
Dieldrin	4.74e-002	5.e-002	7755900.0	0.001	-5.20	15.00	2RDR
Endrin	4.66e-002	5.e-002	6006700.0	0.001	-6.80	15.00	2RDR
4,4'-DDD	4.38e-002	5.e-002	4669700.0	0.001	-12.40	15.00	2RDR
Endosulfan II	4.7e-002	5.e-002	5610100.0	0.001	-6.00	15.00	2RDR
4,4'-DDT	4.68e-002	5.e-002	4340100.0	0.001	-6.40	15.00	2RDR
Endrin Aldehyde	4.65e-002	5.e-002	3471800.0	0.001	-7.00	15.00	2RDR
Endosulfan sulfate	5.11e-002	5.e-002	3505500.0	0.001	2.20	15.00	2RDR
Methoxychlor	4.49e-002	5.e-002	1834000.0	0.001	-10.20	15.00	2RDR
alpha-Chlordane	4.79e-002	5.e-002	7669700.0	0.001	-4.20	15.00	2RDR
gamma-Chlordane	4.76e-002	5.e-002	7830100.0	0.001	-4.80	15.00	2RDR
Endrin Ketone	4.94e-002	5.e-002	4971000.0	0.001	-1.20	15.00	2RDR
Tetrachloro-m-Xylene	4.99e-002	5.e-002	8201000.0	0.001	-0.20	15.00	2RDR
Decachlorobiphenyl	4.7e-002	5.e-002	3604700.0	0.001	-6.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1151

Lab File ID: 1EB00101 Init. Calib. Date(s): 02/03/11 02/03/11

Init. Calib. Times: 1833 2000

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
Toxaphene	0.9601400	1.0000000	62025.000	0.001	-3.99	15.00	2RDR
(2)	0.9365700	1.0000000	64281.000	0.001	-6.34	15.00	2RDR
(3)	1.0228000	1.0000000	60482.000	0.001	2.28	15.00	2RDR
(4)	1.0360000	1.0000000	71918.000	0.001	3.60	15.00	2RDR
(5)	1.0377000	1.0000000	108780.00	0.001	3.77	15.00	2RDR
(6)	0.9645500	1.0000000	71211.000	0.001	-3.54	15.00	2RDR
(7)	1.0704000	1.0000000	147080.00	0.001	7.04	15.00	2RDR
(8)	1.0553000	1.0000000	84438.000	0.001	5.53	15.00	2RDR
(9)	1.0434000	1.0000000	122450.00	0.001	4.34	15.00	2RDR
(10)	1.0493000	1.0000000	68017.000	0.001	4.93	15.00	2RDR

FORM VII PEST

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/04/11

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
TCX: 3.77		DCB: 11.62				
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
01	2-MW03-65-1/	WG87586-4	02/07/11	1411	3.78	11.61
02	2-MW03-65-1/	WG87586-5	02/07/11	1428	3.78	11.61
03	LABORATORY CO	WG87586-6	02/07/11	1445	3.78	11.61
04		INDAB 0.025	02/07/11	1503	3.78	11.62
05		TOX 1.0	02/07/11	1520		
06	SF-2-MW01-80	SE0387-1	02/07/11	1745	3.78	11.61
07	SF-2-MW04-65	SE0387-2	02/07/11	1802	3.78	11.61
08	FD01251101	SE0387-3	02/07/11	1820	3.77	11.61
09	RB01261101	SE0387-4	02/07/11	1837	3.78	11.61
10	2-MW03-65-1/	SE0387-5	02/07/11	1855	3.78	11.61
11		INDAB 0.05	02/07/11	1930	3.78	11.62
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1503

Lab File ID: 1EB00112 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	2.45e-002	2.5e-002	12010000	0.001	-2.00	15.00	2RDR
gamma-BHC	2.43e-002	2.5e-002	10442000	0.001	-2.80	15.00	2RDR
Heptachlor	2.88e-002	2.5e-002	9082900.0	0.001	15.20	15.00	2RDR <-
beta-BHC	2.38e-002	2.5e-002	3972800.0	0.001	-4.80	15.00	2RDR
Aldrin	2.48e-002	2.5e-002	9434200.0	0.001	-0.80	15.00	2RDR
delta-BHC	2.32e-002	2.5e-002	7438600.0	0.001	-7.20	15.00	2RDR
Heptachlor Epoxide	2.49e-002	2.5e-002	8274700.0	0.001	-0.40	15.00	2RDR
Endosulfan I	2.41e-002	2.5e-002	6924000.0	0.001	-3.60	15.00	2RDR
4,4'-DDE	2.19e-002	2.5e-002	6489700.0	0.001	-12.40	15.00	2RDR
Dieldrin	2.37e-002	2.5e-002	7568900.0	0.001	-5.20	15.00	2RDR
Endrin	2.44e-002	2.5e-002	6140200.0	0.001	-2.40	15.00	2RDR
4,4'-DDD	2.09e-002	2.5e-002	4309400.0	0.001	-16.40	15.00	2RDR <-
Endosulfan II	2.45e-002	2.5e-002	5719400.0	0.001	-2.00	15.00	2RDR
4,4'-DDT	2.69e-002	2.5e-002	4852000.0	0.001	7.60	15.00	2RDR
Endrin Aldehyde	2.31e-002	2.5e-002	3380200.0	0.001	-7.60	15.00	2RDR
Endosulfan sulfate	2.67e-002	2.5e-002	3469900.0	0.001	6.80	15.00	2RDR
Methoxychlor	2.72e-002	2.5e-002	2183400.0	0.001	8.80	15.00	2RDR
alpha-Chlordane	2.45e-002	2.5e-002	7688900.0	0.001	-2.00	15.00	2RDR
gamma-Chlordane	2.43e-002	2.5e-002	7849000.0	0.001	-2.80	15.00	2RDR
Endrin Ketone	2.82e-002	2.5e-002	5550500.0	0.001	12.80	15.00	2RDR
Tetrachloro-m-Xylene	2.37e-002	2.5e-002	7665800.0	0.001	-5.20	15.00	2RDR
Decachlorobiphenyl	2.51e-002	2.5e-002	3865300.0	0.001	0.40	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1520

Lab File ID: 1EB00113 Init. Calib. Date(s): 02/03/11 02/03/11

Init. Calib. Times: 1833 2000

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
Toxaphene	0.9233200	1.0000000	59576.000	0.001	-7.67	15.00	2RDR
(2)	0.9113100	1.0000000	62439.000	0.001	-8.87	15.00	2RDR
(3)	1.0555000	1.0000000	62601.000	0.001	5.55	15.00	2RDR
(4)	1.1328000	1.0000000	79076.000	0.001	13.28	15.00	2RDR
(5)	1.1742000	1.0000000	124430.000	0.001	17.42	15.00	2RDR <-
(6)	1.0258000	1.0000000	75993.000	0.001	2.58	15.00	2RDR
(7)	1.2869000	1.0000000	179970.000	0.001	28.69	15.00	2RDR <-
(8)	1.3916000	1.0000000	115390.000	0.001	39.16	15.00	2RDR <-
(9)	1.2847000	1.0000000	153190.000	0.001	28.47	15.00	2RDR <-
(10)	1.2024000	1.0000000	79050.000	0.001	20.24	15.00	2RDR <-

17.2

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC01 Calibration Date: 02/07/11 Time: 1930

Lab File ID: 1EB00124 Init. Calib. Date(s): 02/03/11 02/04/11

Init. Calib. Times: 1455 0131

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.04e-002	5.e-002	12674000	0.001	0.80	15.00	2RDR
gamma-BHC	5.09e-002	5.e-002	11225000	0.001	1.80	15.00	2RDR
Heptachlor	5.46e-002	5.e-002	8798800.0	0.001	9.20	15.00	2RDR
beta-BHC	4.86e-002	5.e-002	4133200.0	0.001	-2.80	15.00	2RDR
Aldrin	5.11e-002	5.e-002	9888900.0	0.001	2.20	15.00	2RDR
delta-BHC	4.93e-002	5.e-002	8344300.0	0.001	-1.40	15.00	2RDR
Heptachlor Epoxide	5.11e-002	5.e-002	8597700.0	0.001	2.20	15.00	2RDR
Endosulfan I	5.04e-002	5.e-002	7364700.0	0.001	0.80	15.00	2RDR
4,4'-DDE	4.57e-002	5.e-002	6974900.0	0.001	-8.60	15.00	2RDR
Dieldrin	4.92e-002	5.e-002	8053800.0	0.001	-1.60	15.00	2RDR
Endrin	5.04e-002	5.e-002	6517400.0	0.001	0.80	15.00	2RDR
4,4'-DDD	4.3e-002	5.e-002	4579400.0	0.001	-14.00	15.00	2RDR
Endosulfan II	5.07e-002	5.e-002	6068100.0	0.001	1.40	15.00	2RDR
4,4'-DDT	5.32e-002	5.e-002	4969300.0	0.001	6.40	15.00	2RDR
Endrin Aldehyde	4.73e-002	5.e-002	3535400.0	0.001	-5.40	15.00	2RDR
Endosulfan sulfate	5.7e-002	5.e-002	3947700.0	0.001	14.00	15.00	2RDR
Methoxychlor	5.15e-002	5.e-002	2109300.0	0.001	3.00	15.00	2RDR
alpha-Chlordane	4.93e-002	5.e-002	7900100.0	0.001	-1.40	15.00	2RDR
gamma-Chlordane	5.e-002	5.e-002	8239200.0	0.001	0.00	15.00	2RDR
Endrin Ketone	5.75e-002	5.e-002	5826700.0	0.001	15.00	15.00	2RDR
Tetrachloro-m-Xylene	4.91e-002	5.e-002	8064400.0	0.001	-1.80	15.00	2RDR
Decachlorobiphenyl	5.15e-002	5.e-002	3947600.0	0.001	3.00	15.00	2RDR

FORM VII PEST

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG87586-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab Sample ID: WG87586-1 Lab File ID: 1EB00106

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 01/28/11

Date Analyzed (1): 02/07/11 Date Analyzed (2): 02/07/11

Time Analyzed (1): 1318 Time Analyzed (2): 1318

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG87586-LCS	WG87586-2	1EB00107	02/07/11	02/07/11
02	WG87586-LCSD	WG87586-3	1EB00108	02/07/11	02/07/11
03	2-MW03-65-1/2011MS	WG87586-4	1EB00109	02/07/11	02/07/11
04	2-MW03-65-1/2011MSD	WG87586-5	1EB00110	02/07/11	02/07/11
05	ABORATORY CONTROL S	WG87586-6	1EB00111	02/07/11	02/07/11
06	SF-2-MW01-80-1/2011	SE0387-1	1EB00118	02/07/11	02/07/11
07	SF-2-MW04-65-1/2011	SE0387-2	1EB00119	02/07/11	02/07/11
08	FD01251101	SE0387-3	1EB00120	02/07/11	02/07/11
09	RB01261101	SE0387-4	1EB00121	02/07/11	02/07/11
10	2-MW03-65-1/2011	SE0387-5	1EB00122	02/07/11	02/07/11
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

Report of Analytical Results

Client:
Lab ID: WG87586-1
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-feb-2011 10:58

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0014	ug/L	1	.05	0.010	0.0014	0.0050
Gamma-BHC	U	0.0014	ug/L	1	.05	0.010	0.0014	0.0050
Heptachlor	U	0.0016	ug/L	1	.05	0.010	0.0016	0.0050
Aldrin	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
beta-BHC	U	0.0013	ug/L	1	.05	0.010	0.0013	0.0050
delta-BHC	U	0.0026	ug/L	1	.05	0.010	0.0026	0.0050
Heptachlor Epoxide	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
Endosulfan I	U	0.0013	ug/L	1	.05	0.010	0.0013	0.0050
Gamma-Chlordane	U	0.0012	ug/L	1	.05	0.010	0.0012	0.0050
Alpha-Chlordane	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
4,4'-DDE	U	0.00098	ug/L	1	.1	0.020	0.00098	0.010
Dieldrin	U	0.0013	ug/L	1	.1	0.020	0.0013	0.010
Endrin	U	0.0017	ug/L	1	.1	0.020	0.0017	0.010
4,4'-DDD	U	0.0018	ug/L	1	.1	0.020	0.0018	0.010
Endosulfan II	U	0.0011	ug/L	1	.1	0.020	0.0011	0.010
4,4'-DDT	U	0.0018	ug/L	1	.1	0.020	0.0018	0.010
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.020	0.0012	0.010
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.020	0.0013	0.010
Methoxychlor	U	0.0017	ug/L	1	.5	0.10	0.0017	0.050
Toxaphene	U	0.034	ug/L	1	1	0.20	0.034	0.10
Tetrachloro-M-Xylene		79.5	%					
Decachlorobiphenyl		79.5	%					

FORM 2
WATER PESTICIDE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG87586-BLANK	WG87586-1	80	78	79	77			0
02	WG87586-LCS	WG87586-2	79	76	80	77			0
03	WG87586-LCSD	WG87586-3	86	82	88	86			0
04	2-MW03-65-1/2011MS	WG87586-4	65	61	72	71			0
05	2-MW03-65-1/2011MSD	WG87586-5	86	80	77	76			0
06	ABORATORY CONTROL S	WG87586-6	80	79	64	63			0
07	SF-2-MW01-80-1/2011	SE0387-1	83	75	74	70			0
08	SF-2-MW04-65-1/2011	SE0387-2	85	81	89	88			0
09	FD01251101	SE0387-3	73	70	82	78			0
10	RB01261101	SE0387-4	74	72	70	68			0
11	2-MW03-65-1/2011	SE0387-5	82	78	84	81			0
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-Xylene (48-112)
S2 (DCB) = Decachlorobiphenyl (41-131)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

LCS/LCSD Recovery Report

LCS ID: WG87586-2

Received Date: 28-JAN-11

Analysis Date: 07-FEB-11

LCSD ID: WG87586-3

Extract Date: 28-JAN-11

Analyst: RCT

Project:
Extracted By: KF

Analysis Method: SW846 8081A

SDG: SF-1

Extraction Method: SW846 3510

Matrix: AQ

Report Date: 14-feb-2011 10:58

Lab Prep Batch: WG87586

% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
alpha-BHC	0.100	0.0876	87.6	0.0928	92.8	ug/L	6	30	66-104
Gamma-BHC	0.100	0.0881	88.1	0.0964	96.4	ug/L	9	30	67-105
Heptachlor	0.100	0.109	109.	0.118	118.	ug/L	8	30	55-110
Aldrin	0.100	0.0834	83.4	0.0870	87.0	ug/L	8	30	58-98
beta-BHC	0.100	0.0962	96.2	0.102	102.	ug/L	6	30	68-115
delta-BHC	0.100	0.0937	93.7	0.103	103.	ug/L	9	30	61-117
Heptachlor Epoxide	0.100	0.0880	88.0	0.0946	94.6	ug/L	7	30	73-98
Endosulfan I	0.100	0.0724	72.4	0.0791	79.1	ug/L	9	30	40-70
Gamma-Chlordane	0.100	0.0876	87.6	0.0936	93.6	ug/L	7	30	72-101
Alpha-Chlordane	0.100	0.0860	86.0	0.0914	91.4	ug/L	6	30	73-100
4,4'-DDE	0.100	0.0805	80.5	0.0904	90.4	ug/L	12	30	64-105
Dieldrin	0.100	0.0853	85.3	0.0915	91.5	ug/L	7	30	72-97
Endrin	0.100	0.0921	92.1	0.102	102.	ug/L	10	30	70-103
4,4'-DDD	0.100	0.0807	80.7	0.0916	91.6	ug/L	13	30	64-108
Endosulfan II	0.100	0.0782	78.2	0.0859	85.9	ug/L	9	30	50-79
4,4'-DDT	0.100	0.106	106.	0.124	124.	ug/L	16	30	51-103
Endrin Aldehyde	0.100	0.0778	77.8	0.0869	86.9	ug/L	11	30	64-103
Endosulfan Sulfate	0.100	0.104	104.	0.116	116.	ug/L	11	30	61-113
Methoxychlor	0.100	0.117	117.	0.133	133.	ug/L	13	30	54-118
Tetrachloro-M-Xylene			79.0		86.0				48-112
Decachlorobiphenyl			79.5		88.0				41-131

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG87586-LCS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-2

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-BHC	1	4.50	4.45	4.55	0.0876	
	2	4.41	4.36	4.46	0.0866	1.1
gamma-BHC	1	4.94	4.88	4.98	0.0881	
	2	4.87	4.82	4.92	0.0849	3.7
beta-BHC	1	5.26	5.20	5.30	0.0962	
	2	5.33	5.28	5.38	0.0867	10.4
delta-BHC	1	5.58	5.53	5.63	0.0937	
	2	5.67	5.62	5.72	0.0895	4.6
Heptachlor	1	5.69	5.64	5.74	0.109	
	2	5.43	5.38	5.48	0.102	6.6
Aldrin	1	6.15	6.10	6.20	0.0801	
	2	5.85	5.80	5.90	0.0834	4.0
Heptachlor Epoxide	1	6.78	6.71	6.85	0.0880	
	2	6.56	6.49	6.63	0.0869	1.2
gamma-Chlordane	1	7.15	7.08	7.22	0.0876	
	2	6.97	6.90	7.04	0.0832	5.2

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG87586-LCS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-2

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-Chlordane	1	7.25	7.18	7.32	0.0860	
	2	7.04	6.98	7.12	0.0843	2.0
4,4'-DDE	1	7.54	7.48	7.62	0.0805	
	2	7.30	7.23	7.37	0.0788	2.1
Endosulfan I	1	7.32	7.25	7.39	0.0724	
	2	7.13	7.06	7.20	0.0705	2.6
Dieldrin	1	7.73	7.65	7.79	0.0853	
	2	7.52	7.45	7.59	0.0811	5.0
Endrin	1	8.06	7.99	8.13	0.0921	
	2	7.91	7.84	7.98	0.0886	3.9
4,4'-DDD	1	8.32	8.26	8.40	0.0807	
	2	8.13	8.06	8.20	0.0801	0.7
Endosulfan II	1	8.41	8.34	8.48	0.0782	
	2	8.37	8.30	8.44	0.0781	0.1
4,4'-DDT	1	8.76	8.69	8.83	0.106	
	2	8.51	8.44	8.58	0.0968	9.1

page 2 of 3

FORM X PEST-1

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG87586-LCS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS PO No.: SDG No.: SF-1

Lab Sample ID: WG87586-2 Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Endrin Aldehyde	1	8.61	8.55	8.69	0.0778	
	2	8.60	8.54	8.68	0.0776	0.2
Methoxychlor	1	9.50	9.43	9.57	0.117	
	2	9.29	9.23	9.37	0.107	8.9
Endosulfan sulfate	1	8.96	8.88	9.02	0.0978	
	2	8.97	8.90	9.04	0.104	6.1
Endrin Ketone	1	9.65	9.58	9.72	0.106	
	2	9.68	9.61	9.75	0.103	2.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG87586-LCSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-3

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-BHC	1	4.50	4.45	4.55	0.0907	
	2	4.41	4.36	4.46	0.0928	2.3
gamma-BHC	1	4.94	4.88	4.98	0.0964	
	2	4.87	4.82	4.92	0.0931	3.5
beta-BHC	1	5.25	5.20	5.30	0.102	
	2	5.33	5.28	5.38	0.0931	9.1
delta-BHC	1	5.58	5.53	5.63	0.103	
	2	5.67	5.62	5.72	0.0989	4.1
Heptachlor	1	5.69	5.64	5.74	0.118	
	2	5.43	5.38	5.48	0.111	6.1
Aldrin	1	6.15	6.10	6.20	0.0870	
	2	5.85	5.80	5.90	0.0855	1.7
Heptachlor Epoxide	1	6.78	6.71	6.85	0.0931	
	2	6.56	6.49	6.63	0.0946	1.6
gamma-Chlordane	1	7.15	7.08	7.22	0.0936	
	2	6.97	6.90	7.04	0.0912	2.6

page 1 of 3

FORM X PEST-1

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG87586-LCSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-3

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-Chlordane	1	7.25	7.18	7.32	0.0913	
	2	7.04	6.98	7.12	0.0914	0.1
4,4'-DDE	1	7.54	7.48	7.62	0.0904	
	2	7.30	7.23	7.37	0.0885	2.1
Endosulfan I	1	7.32	7.25	7.39	0.0791	
	2	7.13	7.06	7.20	0.0757	4.4
Dieldrin	1	7.72	7.65	7.79	0.0915	
	2	7.52	7.45	7.59	0.0877	4.2
Endrin	1	8.06	7.99	8.13	0.102	
	2	7.91	7.84	7.98	0.0958	6.3
4,4'-DDD	1	8.32	8.26	8.40	0.0916	
	2	8.13	8.06	8.20	0.0904	1.3
Endosulfan II	1	8.41	8.34	8.48	0.0833	
	2	8.37	8.30	8.44	0.0859	3.1
4,4'-DDT	1	8.76	8.69	8.83	0.124	
	2	8.51	8.44	8.58	0.106	15.6

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

WG87586-LCSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-3

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Endrin Aldehyde	1	8.61	8.55	8.69	0.0869	
	2	8.60	8.54	8.68	0.0854	1.7
Methoxychlor	1	9.50	9.43	9.57	0.133	
	2	9.29	9.23	9.37	0.117	12.8
Endosulfan sulfate	1	8.95	8.88	9.02	0.108	
	2	8.96	8.90	9.04	0.116	7.1
Endrin Ketone	1	9.65	9.58	9.72	0.117	
	2	9.67	9.61	9.75	0.113	3.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

LCS Recovery Report

Client:
Lab ID: WG87586-6
Client ID: LCS1
Project:
SDG: SF-1

Sample Date:
Received Date: 31-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 14-feb-2011 12:43

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Toxaphene	99.2	10.0	9.92	ug/L	50-150
Tetrachloro-M-Xylene	80.0				48-112
Decachlorobiphenyl	63.9				41-131

MS/MSD Recovery Report

MS ID: WG87586-4
MSD ID: WG87586-5
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87586
Report Date: 14-feb-2011 10:59

Analysis Date: 07-FEB-11
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
alpha-BHC	0.200	0.182	ug/L	U0.0014	0.16	0.17	78.0	92.4	7	30	66-104
Gamma-BHC	0.200	0.182	ug/L	U0.0014	0.17	0.17	83.0	94.0	3	30	67-105
Heptachlor	0.200	0.182	ug/L	U0.0016	0.20	0.22	102.	119.	6	30	55-110
Aldrin	0.200	0.182	ug/L	U0.0014	0.15	0.16	76.0	86.9	4	30	58-98
beta-BHC	0.200	0.182	ug/L	U0.0012	0.19	0.19	94.5	102.	2	30	68-115
delta-BHC	0.200	0.182	ug/L	U0.0025	0.19	0.19	94.0	105.	2	30	61-117
Heptachlor Epoxide	0.200	0.182	ug/L	U0.0014	0.17	0.17	84.0	93.5	1	30	73-98
Endosulfan I	0.200	0.182	ug/L	U0.0012	0.14	0.14	68.0	76.4	2	30	40-70
Gamma-Chlordane	0.200	0.182	ug/L	U0.0012	0.17	0.17	86.5	92.4	3	30	72-101
Alpha-Chlordane	0.200	0.182	ug/L	U0.0015	0.17	0.17	83.0	91.3	0	30	73-100
4,4'-DDE	0.200	0.182	ug/L	U0.00096	0.16	0.16	81.0	87.4	1	30	64-105
Dieldrin	0.200	0.182	ug/L	U0.0013	0.17	0.16	86.0	90.7	4	30	72-97
Endrin	0.200	0.182	ug/L	U0.0016	0.18	0.18	91.0	99.0	1	30	70-103
4,4'-DDD	0.200	0.182	ug/L	U0.0018	0.18	0.17	87.5	95.7	0	30	64-108
Endosulfan II	0.200	0.182	ug/L	U0.0011	0.16	0.16	80.5	87.4	1	30	50-79
4,4'-DDT	0.200	0.182	ug/L	U0.0017	0.23	0.22	117.	119.	8	30	51-103
Endrin Aldehyde	0.200	0.182	ug/L	U0.0012	0.15	0.16	75.5	86.3	4	30	64-103
Endosulfan Sulfate	0.200	0.182	ug/L	U0.0013	0.22	0.22	109.	124.	3	30	61-113
Methoxychlor	0.200	0.182	ug/L	U0.0016	0.27	0.26	136.	146.	3	30	54-118
Tetrachloro-M-Xylene							64.5	86.5			48-112
Decachlorobiphenyl							72.2	76.9			41-131

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

2-MW03-65
 -1/2011MS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-4

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-BHC	1	4.50	4.45	4.55	0.156	
	2	4.41	4.36	4.46	0.155	0.6
gamma-BHC	1	4.93	4.88	4.98	0.166	
	2	4.87	4.82	4.92	0.156	6.2
beta-BHC	1	5.25	5.20	5.30	0.189	
	2	5.33	5.28	5.38	0.168	11.8
delta-BHC	1	5.58	5.53	5.63	0.188	
	2	5.67	5.62	5.72	0.180	4.3
Heptachlor	1	5.69	5.64	5.74	0.204	
	2	5.42	5.38	5.48	0.191	6.6
Aldrin	1	6.15	6.10	6.20	0.146	
	2	5.85	5.80	5.90	0.152	4.0
Heptachlor Epoxide	1	6.78	6.71	6.85	0.168	
	2	6.56	6.49	6.63	0.167	0.6
gamma-Chlordane	1	7.14	7.08	7.22	0.173	
	2	6.97	6.90	7.04	0.162	6.6

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

2-MW03-65
 -1/2011MS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-4

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-Chlordane	1	7.25	7.18	7.32	0.164	
	2	7.04	6.98	7.12	0.166	1.2
4,4'-DDE	1	7.54	7.48	7.62	0.160	
	2	7.30	7.23	7.37	0.162	1.2
Endosulfan I	1	7.32	7.25	7.39	0.131	
	2	7.13	7.06	7.20	0.136	3.7
Dieldrin	1	7.72	7.65	7.79	0.172	
	2	7.52	7.45	7.59	0.163	5.4
Endrin	1	8.05	7.99	8.13	0.182	
	2	7.91	7.84	7.98	0.178	2.2
4,4'-DDD	1	8.32	8.26	8.40	0.175	
	2	8.13	8.06	8.20	0.140	22.2
Endosulfan II	1	8.41	8.34	8.48	0.161	
	2	8.37	8.30	8.44	0.157	2.5
4,4'-DDT	1	8.76	8.69	8.83	0.234	
	2	8.51	8.44	8.58	0.203	14.2

page 2 of 3

FORM X PEST-1

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

2-MW03-65
 -1/2011MS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-4

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Endrin Aldehyde	1	8.61	8.55	8.69	0.141	
	2	8.60	8.54	8.68	0.151	6.8
Methoxychlor	1	9.49	9.43	9.57	0.272	
	2	9.29	9.23	9.37	0.225	18.9
Endosulfan sulfate	1	8.95	8.88	9.02	0.209	
	2	8.96	8.90	9.04	0.218	4.2
Endrin Ketone	1	9.65	9.58	9.72	0.220	
	2	9.67	9.61	9.75	0.213	3.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

2-MW03-65
 -1/2011MSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-5

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-BHC	1	4.50	4.45	4.55	0.168	
	2	4.41	4.36	4.46	0.166	1.2
gamma-BHC	1	4.94	4.88	4.98	0.171	
	2	4.87	4.82	4.92	0.162	5.4
beta-BHC	1	5.25	5.20	5.30	0.186	
	2	5.33	5.28	5.38	0.169	9.6
delta-BHC	1	5.58	5.53	5.63	0.191	
	2	5.67	5.62	5.72	0.182	4.8
Heptachlor	1	5.69	5.64	5.74	0.216	
	2	5.43	5.38	5.48	0.197	9.2
Aldrin	1	6.15	6.10	6.20	0.149	
	2	5.85	5.80	5.90	0.158	5.9
Heptachlor Epoxide	1	6.78	6.71	6.85	0.170	
	2	6.56	6.49	6.63	0.167	1.8
gamma-Chlordane	1	7.15	7.08	7.22	0.168	
	2	6.97	6.90	7.04	0.162	3.6

page 1 of 3

FORM X PEST-1

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

2-MW03-65
 -1/2011MSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-5

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
alpha-Chlordane	1	7.25	7.18	7.32	0.160	
	2	7.04	6.98	7.12	0.166	3.7
4,4'-DDE	1	7.54	7.48	7.62	0.159	
	2	7.30	7.23	7.37	0.159	0.0
Endosulfan I	1	7.32	7.25	7.39	0.126	
	2	7.13	7.06	7.20	0.139	9.8
Dieldrin	1	7.72	7.65	7.79	0.165	
	2	7.52	7.45	7.59	0.160	3.1
Endrin	1	8.05	7.99	8.13	0.180	
	2	7.91	7.84	7.98	0.174	3.4
4,4'-DDD	1	8.32	8.26	8.40	0.174	
	2	8.13	8.06	8.20	0.135	25.2
Endosulfan II	1	8.41	8.34	8.48	0.159	
	2	8.37	8.30	8.44	0.154	3.2
4,4'-DDT	1	8.76	8.69	8.83	0.216	
	2	8.51	8.44	8.58	0.200	7.7

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

2-MW03-65
 -1/2011MSD

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-5

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Endrin Aldehyde	1	8.61	8.55	8.69	0.139	
	2	8.60	8.54	8.68	0.157	12.2
Methoxychlor	1	9.49	9.43	9.57	0.265	
	2	9.29	9.23	9.37	0.223	17.2
Endosulfan sulfate	1	8.95	8.88	9.02	0.208	
	2	8.96	8.90	9.04	0.225	7.8
Endrin Ketone	1	9.65	9.58	9.72	0.218	
	2	9.67	9.61	9.75	0.208	4.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

LABORATORY CONTROL S

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: SF-1

Lab Sample ID: WG87586-6

Date(s) Analyzed: 02/07/11 02/07/11

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	RPD
			FROM	TO			
Toxaphene COLUMN 1	1	7.59	7.28	7.88	6.29	9.85	
	2	7.74	7.44	8.04	5.69		
	3	7.90	7.60	8.20	6.28		
	4	7.98	7.67	8.27	9.36		
	5	8.41	8.11	8.71	9.71		
	6	8.48	8.18	8.78	11.8		
	7	8.79	8.48	9.08	12.0		
	8	8.90	8.60	9.20	10.4		
	9	9.53	9.23	9.83	13.4		
	10	10.04	9.74	10.34	13.6		
COLUMN 2	1	7.46	7.16	7.76	6.66	9.92	0.7
	2	7.73	7.43	8.03	6.72		
	3	7.88	7.59	8.19	8.45		
	4	8.31	8.01	8.61	9.51		
	5	8.36	8.06	8.66	10.9		
	6	8.71	8.41	9.01	7.86		
	7	8.81	8.51	9.11	12.5		
	8	9.36	9.06	9.66	13.3		
	9	9.58	9.27	9.87	12.4		
	10	10.03	9.73	10.33	11.0		
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Init. Calib. Date(s): 01/24/11 01/25/11

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
DCB: 14.59			TCX: 4.17			
CLIENT	LAB	DATE	TIME	DCB	TCX	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
01	AR1660 1.0	01/24/11	1618	14.59	4.17	
02	AR1660 0.05	01/24/11	1644	14.61	4.17	
03	AR1660 0.1	01/24/11	1710	14.61	4.18	
04	AR1660 0.25	01/24/11	1736	14.59	4.18	
05	AR1660 2.5	01/24/11	1802	14.59	4.18	
06	AR1660 10	01/24/11	1828	14.58	4.17	
07	AR1016 1.0	01/24/11	1854			
08	AR1260 1.0	01/24/11	1921			
09	AR1242 1.0	01/24/11	1947			
10	AR1248 1.0	01/24/11	2223			
11	AR1254 1.0	01/25/11	0059			
12	AR1221 1.0	01/25/11	0335			
13	AR1232 1.0	01/25/11	0401			
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date(s): 01/24/11 01/25/11

Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Calibration Time(s): 1618. 0454

LAB FILE ID: RF0.05: 7EA193 RF0.1: 7EA194 RF0.25: 7EA195
RF1: 7EA201 RF2.5: 7EA196 RF10: 7EA197

COMPOUND	RFID							CURVE	COEFFICIENTS			%RSD	MAX %RSD
	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	A0		A1	A2			
Aroclor-1016	1e+007	1e+007	1.e+007	1.e+007	1e+007	1e+007	AVRG		12791745.7		15.455	20.000	
(2)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG		21864006.9		12.643	20.000	
(3)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		12677942.3		4.375	20.000	
(4)	9156900	9099900	8703700	8621600	9133300	9708900	AVRG		9070726.42		4.287	20.000	
(5)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		11271886.5		4.762	20.000	
Aroclor-1221				3075500			AVRG		3075508.00		0.000	20.000	
(2)				5813500			AVRG		5813521.00		0.000	20.000	
(3)				1e+007			AVRG		14264987.0		0.000	20.000	
(4)				2022900			AVRG		2022873.00		0.000	20.000	
Aroclor-1232				1e+007			AVRG		11347874.0		0.000	20.000	
(2)				7480200			AVRG		7480199.00		0.000	20.000	
(3)				1e+007			AVRG		12654450.0		0.000	20.000	
(4)				7233800			AVRG		7233841.00		0.000	20.000	
(5)				5650300			AVRG		5650288.00		0.000	20.000	
Aroclor-1242	1e+007	1e+007	1e+007	8677100	1e+007	1e+007	AVRG		12364266.1		15.586	20.000	
(2)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG		21055142.5		10.611	20.000	
(3)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		12235366.5		5.839	20.000	
(4)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		11230982.0		2.632	20.000	
(5)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		13160820.5		4.791	20.000	
Aroclor-1248	2e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		14319599.1		5.889	20.000	
(2)	2e+007	2e+007	2e+007	1e+007	1e+007	1e+007	AVRG		14959753.2		4.055	20.000	
(3)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG		20094533.9		4.196	20.000	
(4)	3e+007	3e+007	3e+007	2e+007	2e+007	2e+007	AVRG		25634200.7		5.631	20.000	
(5)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG		11411881.3		5.116	20.000	
Aroclor-1254	2e+007	2e+007	2.e+007	2e+007	2e+007	2.e+007	AVRG		20403515.8		3.280	20.000	
(2)	3.e+007	3.e+007	3e+007	3e+007	3.e+007	3e+007	AVRG		29055472.0		4.187	20.000	
(3)	4e+007	4e+007	4e+007	4e+007	4e+007	3e+007	AVRG		35759713.1		2.753	20.000	
(4)	3e+007	3e+007	3e+007	3e+007	3e+007	3e+007	AVRG		26138511.3		2.863	20.000	
(5)	3e+007	3e+007	2e+007	2e+007	3e+007	2e+007	AVRG		25043517.0		1.771	20.000	
Aroclor-1260	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG		20326408.8		6.152	20.000	
(2)	3e+007	3e+007	3e+007	3e+007	3e+007	3e+007	AVRG		27119163.6		3.921	20.000	
(3)	2e+007	2e+007	2e+007	2e+007	2e+007	3e+007	AVRG		23842352.6		4.363	20.000	
(4)	4e+007	4.e+007	3e+007	4e+007	4e+007	4e+007	AVRG		39069045.6		7.555	20.000	
(5)	2e+007	2e+007	1e+007	2e+007	2e+007	2.e+007	AVRG		17949175.8		12.214	20.000	
Tetrachloro-m-xylene	4e+008	5e+008	5e+008	5e+008	5e+008	5e+008	AVRG		466340522		5.677	20.000	
Decachlorobiphenyl	316400	560720	631700	3917500	1e+007	6e+007	2ORDR	1.496e-003	3.537e-009	-7.23e-018	0.99895	0.99000	

FORM VI PCB

Report Date : 26-Jan-2011 14:56

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 24-JAN-2011 16:18
 End Cal Date : 25-JAN-2011 04:54
 Quant Method : ESTD
 Origin : Included
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07EA24.b\PCB040.m
 Cal Date : 25-Jan-2011 09:46 rthomas

Calibration File Names:

Level 1: \\target_server\gg\chem\gc07.i\GC07EA24.b\7EA193.D
 Level 2: \\target_server\gg\chem\gc07.i\GC07EA24.b\7EA194.D
 Level 3: \\target_server\gg\chem\gc07.i\GC07EA24.b\7EA195.D
 Level 4: \\target_server\gg\chem\gc07.i\GC07EA24.b\7EA201.D
 Level 5: \\target_server\gg\chem\gc07.i\GC07EA24.b\7EA196.D
 Level 6: \\target_server\gg\chem\gc07.i\GC07EA24.b\7EA197.D

Compound	0.0500000	0.1000000	0.2500000	1.0000	2.5000	10.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R ²
M 1 Total PCBs	++++	++++	++++	++++	++++	++++	AVRG				0.000e+000
2 Aroclor-1221(1)	++++	++++	++++	3075508	++++	++++	AVRG	3075508			0.000e+000
(2)	++++	++++	++++	5813521	++++	++++	AVRG	5813521			0.000e+000
(3)	++++	++++	++++	14264987	++++	++++	AVRG	14264987			0.000e+000
(4)	++++	++++	++++	2022873	++++	++++	AVRG	2022873			0.000e+000
4 Aroclor-1232(1)	++++	++++	++++	11347874	++++	++++	AVRG	11347874			0.000e+000
(2)	++++	++++	++++	7480199	++++	++++	AVRG	7480199			0.000e+000
(3)	++++	++++	++++	12654450	++++	++++	AVRG	12654450			0.000e+000
(4)	++++	++++	++++	7233841	++++	++++	AVRG	7233841			0.000e+000
(5)	++++	++++	++++	5650288	++++	++++	AVRG	5650288			0.000e+000
5 Aroclor-1242(1)	14378000	13407110	13357232	8877063	12329402	11836789	AVRG	12364266			15.58608
(2)	23040020	21754400	21893440	16735152	22103751	20804092	AVRG	21055142			10.61078
(3)	13310280	12385340	12363096	11154321	12375526	11823636	AVRG	12235366			5.83908
(4)	11602160	10981990	11083492	11595512	11172846	10949893	AVRG	11230982			2.63170

Report Date : 26-Jan-2011 14:56

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 24-JAN-2011 16:18
 End Cal Date : 25-JAN-2011 04:54
 Quant Method : ESTD
 Origin : Included
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07EA24.b\PCB040.m
 Cal Date : 25-Jan-2011 09:46 rthomas

Compound	0.0500000	0.1000000	0.2500000	1.0000	2.5000	10.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
(5)	14183160	13129560	12823208	13582472	12812673	12433850	AVRG		13160821		4.79070
6 Aroclor-1016 (1)	14300240	14456420	10377132	10162356	13757137	13697189	AVRG		12791746		15.45524
(2)	23431880	23764300	17793560	18860407	23819908	23513987	AVRG		21864007		12.64327
(3)	12267520	13261970	12278916	12126248	12703779	13429221	AVRG		12677942		4.37496
(4)	9156920	9099870	8703676	8621656	9133288	9708949	AVRG		9070726		4.28655
(5)	10840460	11419950	10922164	10840848	11380537	12227360	AVRG		11271887		4.76248
7 Aroclor-1248 (1)	15366660	14983330	14807212	13886685	13305162	13568546	AVRG		14319599		5.88867
(2)	15645900	15311810	15522324	14444437	14224957	14609091	AVRG		14959753		4.05471
(3)	21234960	20548330	20720352	19412157	19262168	19389236	AVRG		20094534		4.19566
(4)	27799100	26400850	26277316	24925050	24448473	23954416	AVRG		25634201		5.63120
(5)	12263440	11721360	11619752	10859687	10685733	11321316	AVRG		11411881		5.11638
8 Aroclor-1254 (1)	21157120	20999210	20406904	19417025	20591913	19848923	AVRG		20403516		3.27973
(2)	30453320	30087200	28869436	27913369	29608090	27401416	AVRG		29055472		4.18664
(3)	35245060	36274350	35386548	35504442	37473043	34674835	AVRG		35759713		2.75321
(4)	27123420	26698170	25724484	25346315	26544192	25394487	AVRG		26138511		2.86315
(5)	24999540	25282630	24692356	24552021	25785756	24948799	AVRG		25043517		1.77130
9 Aroclor-1260 (1)	18267100	20812450	19496324	20547624	21084210	21750745	AVRG		20326409		6.15178
(2)	25353460	26988870	26633832	27531173	27809048	28398598	AVRG		27119164		3.92079
(3)	22781840	23988550	22799372	23449673	24655333	25379348	AVRG		23842353		4.36334
(4)	37223160	39811670	34919916	37874703	42591774	41993051	AVRG		39069046		7.55485
(5)	19139280	19170270	14625176	15804262	18845851	20110216	AVRG		17949176		12.21400
10 Aroclor-1262 (1)	+++++	+++++	+++++	25057524	+++++	+++++	AVRG		25057524		0.000e+000

Report Date : 26-Jan-2011 14:56

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 24-JAN-2011 16:18
 End Cal Date : 25-JAN-2011 04:54
 Quant Method : ESTD
 Origin : Included
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07EA24.b\PCB040.m
 Cal Date : 25-Jan-2011 09:46 rthomas

Compound	0.0500000	0.1000000	0.2500000	1.0000	2.5000	10.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
(2)	+++++	+++++	+++++	32979212	+++++	+++++	AVRG	32979212			0.000e+000
(3)	+++++	+++++	+++++	25906654	+++++	+++++	AVRG	25906654			0.000e+000
(4)	+++++	+++++	+++++	61356214	+++++	+++++	AVRG	61356214			0.000e+000
(5)	+++++	+++++	+++++	18418531	+++++	+++++	AVRG	18418531			0.000e+000
11 Aroclor-1268 (1)	+++++	+++++	+++++	77199267	+++++	+++++	AVRG	77199267			0.000e+000
(2)	+++++	+++++	+++++	67663157	+++++	+++++	AVRG	67663157			0.000e+000
(3)	+++++	+++++	+++++	56339487	+++++	+++++	AVRG	56339487			0.000e+000
(4)	+++++	+++++	+++++	159631797	+++++	+++++	AVRG	159631797			0.000e+000
(5)	+++++	+++++	+++++	23613584	+++++	+++++	AVRG	23613584			0.000e+000
\$ 3 Tetrachloro-m-xylene	427534000	456262500	462290400	480795900	464008360	507151970	AVRG	466340522			5.67658
\$ 12 Decachlorobiphenyl	316396	560721	631697	3917490	14574597	64660501	QUAD	0.00150	3.537e-009	-7.231e-01	0.99895

Report Date : 26-Jan-2011 14:56

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 24-JAN-2011 16:18
End Cal Date : 25-JAN-2011 04:54
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : Falcon
Method file : \\target_server\gg\chem\gc07.i\GC07EA24.b\PCB040.m
Cal Date : 25-Jan-2011 09:46 rthomas

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 01/24/11 Time: 1854

Lab File ID: 7EA178 Init. Calib. Date(s): 01/24/11 01/25/11

Init. Calib. Times: 1618 0454

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR	RRF1.0000	MIN	%D OR	MAX %D OR	CURV
	AMOUNT	OR		%D OR		
=====		=====	=====	=====	=====	=====
Aroclor-1016	12792000	15546000	0.001	21.53	20.00	AVRG <-
(2)	21864000	26270000	0.001	20.15	20.00	AVRG <-
(3)	12678000	14148000	0.001	11.60	20.00	AVRG
(4)	9070700.0	10008000	0.001	10.33	20.00	AVRG
(5)	11272000	12239000	0.001	8.58	20.00	AVRG
Average %D: 14.440						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 01/24/11 Time: 1854

Lab File ID: 7EA178 Init. Calib. Date(s): 01/24/11 01/25/11

Init. Calib. Times: 1618 0454

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	3202900.0	3596500.0	0.001	12.29	20.00	AVRG
(2)	6256000.0	6817100.0	0.001	8.97	20.00	AVRG
(3)	3588100.0	3884000.0	0.001	8.25	20.00	AVRG
(4)	2569400.0	2697200.0	0.001	4.97	20.00	AVRG
(5)	3032000.0	3165600.0	0.001	4.41	20.00	AVRG
Average %D: 7.7800						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 01/24/11 Time: 1921

Lab File ID: 7EA179 Init. Calib. Date(s): 01/24/11 01/25/11

Init. Calib. Times: 1618 0454

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR	RRF1.0000	MIN	%D OR	MAX %D OR	CURV
	AMOUNT	OR		%D OR		
=====	=====	=====	=====	=====	=====	=====
Aroclor-1260	20326000	21584000	0.001	6.19	20.00	AVRG
(2)	27119000	29059000	0.001	7.15	20.00	AVRG
(3)	23842000	27632000	0.001	15.90	20.00	AVRG
(4)	39069000	38170000	0.001	-2.30	20.00	AVRG
(5)	17949000	18481000	0.001	2.96	20.00	AVRG
Average %D: 5.9800						

FORM VII PEST

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)Init. Calib. Date(s): 01/24/11 01/25/11

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
DCB: 14.32			TCX: 4.05			
CLIENT	LAB	DATE	TIME	DCB	TCX	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
=====	=====	=====	=====	=====	=====	=====
01	AR1660 1.0	02/01/11	1300	14.37	4.07	
02	WG87587-BLAN	02/01/11	1541	14.37	4.06	
03	WG87587-LCS	02/01/11	1607	14.36	4.06	
04	WG87587-LCS	02/01/11	1633	14.36	4.08	
05	2-MW03-65-1/	02/01/11	1659	14.36	4.07	
06	2-MW03-65-1/	02/01/11	1725	14.36	4.08	
07	SF-2-MW01-80	02/01/11	1751	14.36	4.07	
08	SF-2-MW04-65	02/01/11	1817	14.35	4.07	
09	FD01251101	02/01/11	1843	14.35	4.06	
10	RB01261101	02/01/11	1909	14.33	4.07	
11	2-MW03-65-1/	02/01/11	1935	14.34	4.07	
12	AR1660 0.25	02/01/11	2001	14.32	4.05	
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 02/01/11 Time: 1300

Lab File ID: 7EB001 Init. Calib. Date(s): 01/24/11 01/24/11

Init. Calib. Times: 1618 1828

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	12792000	10318000	10318000	0.001	-19.34	20.00	AVRG
(2)	21864000	19345000	19345000	0.001	-11.52	20.00	AVRG
(3)	12678000	13238000	13238000	0.001	4.42	20.00	AVRG
(4)	9070700.0	9492100.0	9492100.0	0.001	4.64	20.00	AVRG
(5)	11272000	13528000	13528000	0.001	20.01	20.00	AVRG <-
Average %D: -0.360							
Aroclor-1260	20326000	22439000	22439000	0.001	10.40	20.00	AVRG
(2)	27119000	29942000	29942000	0.001	10.41	20.00	AVRG
(3)	23842000	24857000	24857000	0.001	4.26	20.00	AVRG
(4)	39069000	40064000	40064000	0.001	2.55	20.00	AVRG
(5)	17949000	16635000	16635000	0.001	-7.32	20.00	AVRG
Average %D: 4.0600							
=====	=====	=====	=====	=====	=====	=====	=====
Decachlorobiphenyl	1.74e-002	2.e-002	226970000	0.001	-13.00	20.00	2RDR
Tetrachloro-m-xylene	466340000	512760000	512760000	0.001	9.95	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 02/01/11 Time: 2001

Lab File ID: 7EB015 Init. Calib. Date(s): 01/24/11 01/24/11

Init. Calib. Times: 1618 1828

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	12792000	12456000	12456000	0.001	-2.63	20.00	AVRG
(2)	21864000	20118000	20118000	0.001	-7.98	20.00	AVRG
(3)	12678000	14189000	14189000	0.001	11.92	20.00	AVRG
(4)	9070700.0	8135300.0	8135300.0	0.001	-10.31	20.00	AVRG
(5)	11272000	16918000	16918000	0.001	50.09	20.00	AVRG <-
Average %D: 8.2000							
Aroclor-1260	20326000	24784000	24784000	0.001	21.93	20.00	AVRG <-
(2)	27119000	33638000	33638000	0.001	24.04	20.00	AVRG <-
(3)	23842000	28009000	28009000	0.001	17.48	20.00	AVRG
(4)	39069000	42280000	42280000	0.001	8.22	20.00	AVRG
(5)	17949000	18484000	18484000	0.001	2.98	20.00	AVRG
Average %D: 14.920							
=====	=====	=====	=====	=====	=====	=====	=====
Decachlorobiphenyl	5.39e-003	5.e-003	220660000	0.001	7.80	20.00	2RDR
Tetrachloro-m-xylene	466340000	484470000	484470000	0.001	3.89	20.00	AVRG

FORM VII PEST

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)Init. Calib. Date(s): 01/24/11 01/25/11

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 4.73		DCB: 18.61		
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
01	AR1660 1.0	01/24/11	1618	4.73	18.61	
02	AR1660 0.05	01/24/11	1644	4.73	18.61	
03	AR1660 0.1	01/24/11	1710	4.74	18.63	
04	AR1660 0.25	01/24/11	1736	4.74	18.62	
05	AR1660 2.5	01/24/11	1802	4.73	18.60	
06	AR1660 10	01/24/11	1828	4.73	18.59	
07	AR1016 1.0	01/24/11	1854			
08	AR1260 1.0	01/24/11	1921			
09	AR1242 1.0	01/24/11	1947			
10	AR1248 1.0	01/24/11	2223			
11	AR1254 1.0	01/25/11	0059			
12	AR1221 1.0	01/25/11	0335			
13	AR1232 1.0	01/25/11	0401			
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date(s): 01/24/11 01/25/11

Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Calibration Time(s): 1618 0454

LAB FILE ID: RF0.05: 7EA193 RF0.1: 7EA194 RF0.25: 7EA195
RF1: 7EA201 RF2.5: 7EA196 RF10: 7EA197

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Aroclor-1016	3043200	3280600	3182600	3168300	3266800	3276000	AVRG	3202917.65	2.880	20.000
(2)	6276700	6403600	6237400	6440600	6227300	5950100	AVRG	6255957.12	2.778	20.000
(3)	3675900	3706800	3499600	3564500	3568200	3531600	AVRG	3588113.48	2.330	20.000
(4)	2587800	2574500	2551200	2592400	2543800	2566400	AVRG	2569356.32	0.757	20.000
(5)	3024800	3118400	3041000	3050100	2995100	2962800	AVRG	3032020.63	1.750	20.000
Aroclor-1221				998360			AVRG	998356.000	0.000	20.000 <-
(2)				1618400			AVRG	1618385.00	0.000	20.000 <-
(3)				1071800			AVRG	1071764.00	0.000	20.000 <-
(4)				3663600			AVRG	3663555.00	0.000	20.000 <-
Aroclor-1232				3009400			AVRG	3009361.00	0.000	20.000 <-
(2)				1846000			AVRG	1845991.00	0.000	20.000 <-
(3)				3275800			AVRG	3275857.00	0.000	20.000 <-
(4)				1885900			AVRG	1885917.00	0.000	20.000 <-
(5)				1382700			AVRG	1382685.00	0.000	20.000 <-
Aroclor-1242	3178800	2898800	3070400	2844100	3009300	2801600	AVRG	2967183.95	4.871	20.000
(2)	5955800	5553600	5667700	5890000	5784900	5262500	AVRG	5685747.47	4.459	20.000
(3)	3464600	3266900	3297800	3532000	3274900	3050300	AVRG	3314409.28	5.116	20.000
(4)	2851000	2767800	2763900	3061900	2760500	2612900	AVRG	2803010.52	5.293	20.000
(5)	3546100	3001000	2843400	3143700	2829900	2674800	AVRG	3006488.28	10.282	20.000
Aroclor-1248	4291400	3986500	4004600	3722300	3815000	3631200	AVRG	3908490.52	6.078	20.000
(2)	5293700	5076500	5033000	4777500	4875300	4598600	AVRG	4942428.05	4.952	20.000
(3)	4306200	4161800	4210400	4025000	4125400	3892200	AVRG	4120164.62	3.526	20.000
(4)	5938400	5792000	5855500	5553600	5639200	5222900	AVRG	5666951.45	4.572	20.000
(5)	5814100	5340700	5294600	5076600	5167500	4815100	AVRG	5251443.53	6.341	20.000
Aroclor-1254	5059300	5112700	4973000	4853900	4846700	4498300	AVRG	4890658.20	4.496	20.000
(2)	5676800	5732800	5498900	5408700	5332600	4938700	AVRG	5431417.87	5.264	20.000
(3)	7154200	7287600	7223100	7190100	7105400	6411100	AVRG	7061917.45	4.599	20.000
(4)	4869400	5011800	4915300	4865100	4862200	4459900	AVRG	4830627.02	3.940	20.000
(5)	4498300	4588200	4549000	4514700	4571500	4258600	AVRG	4496708.87	2.700	20.000
Aroclor-1260	4211700	4317500	3962800	4155300	4218100	4105900	AVRG	4161888.98	2.897	20.000
(2)	5069800	5198000	5011500	5076700	5012000	4771200	AVRG	5023211.23	2.806	20.000
(3)	3829400	3928000	3577700	3721800	3942100	3840000	AVRG	3806498.92	3.607	20.000
(4)	8955600	8368100	7590600	7574700	7552000	7152200	AVRG	7865551.58	8.449	20.000
(5)	3443600	3640400	3458000	3543700	3622900	3607000	AVRG	3552603.13	2.406	20.000
Tetrachloro-m-xylene	1e+008	1e+008	1e+008	1e+008	1e+008	1e+008	AVRG	123692091	8.166	20.000
Decachlorobiphenyl	5e+007	6e+007	6e+007	5e+007	5e+007	5e+007	AVRG	54566218.3	3.285	20.000

FORM VI PCB

Report Date : 26-Jan-2011 14:56

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 24-JAN-2011 16:18
 End Cal Date : 25-JAN-2011 04:54
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07EA24.b\PCB040.m\PCB040.
 Cal Date : 25-Jan-2011 09:47 rthomas
 Curve Type : Average

Calibration File Names:

Level 1: \\target_server\gg\chem\gc07.i\GC07EA24.b\GC07EA24.b\7EA193.D
 Level 2: \\target_server\gg\chem\gc07.i\GC07EA24.b\GC07EA24.b\7EA194.D
 Level 3: \\target_server\gg\chem\gc07.i\GC07EA24.b\GC07EA24.b\7EA195.D
 Level 4: \\target_server\gg\chem\gc07.i\GC07EA24.b\GC07EA24.b\7EA201.D
 Level 5: \\target_server\gg\chem\gc07.i\GC07EA24.b\GC07EA24.b\7EA196.D
 Level 6: \\target_server\gg\chem\gc07.i\GC07EA24.b\GC07EA24.b\7EA197.D

Compound	0.05000	0.10000	0.25000	1.000	2.500	10.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
M 1 Total PCBs	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Aroclor-1221(1)	998356	998356	998356	998356	998356	998356	998356	0.000
(2)	1618385	1618385	1618385	1618385	1618385	1618385	1618385	0.000
(3)	1071764	1071764	1071764	1071764	1071764	1071764	1071764	0.000
(4)	3663555	3663555	3663555	3663555	3663555	3663555	3663555	0.000
4 Aroclor-1232(1)	3009361	3009361	3009361	3009361	3009361	3009361	3009361	0.000
(2)	1845991	1845991	1845991	1845991	1845991	1845991	1845991	0.000
(3)	3275857	3275857	3275857	3275857	3275857	3275857	3275857	0.000
(4)	1885917	1885917	1885917	1885917	1885917	1885917	1885917	0.000
(5)	1382685	1382685	1382685	1382685	1382685	1382685	1382685	0.000
5 Aroclor-1016(1)	3043240	3280550	3182648	3168263	3266768	3276037	3202918	2.880
(2)	6276720	6403640	6237400	6440556	6227338	5950089	6255957	2.778
(3)	3675880	3706820	3499632	3546544	3568235	3531570	3588113	2.330
(4)	2587800	2574540	2551180	2592421	2543823	2566374	2569356	0.757
(5)	3024760	3118360	3041020	3050110	2995087	2962787	3032021	1.750
6 Aroclor-1242(1)	3178820	2898820	3070376	2844129	3009304	2801655	2967184	4.871
(2)	5955760	5553580	5667740	5889982	5784948	5262475	5685747	4.459
(3)	3464560	3266860	3297816	3532048	3274880	3050292	3314409	5.116
(4)	2850960	2767840	2763888	3061943	2760513	2612919	2803011	5.293
(5)	3546100	3001000	2843440	3143707	2829870	2674812	3006488	10.282
7 Aroclor-1248(1)	4291360	3986510	4004560	3722284	3815006	3631223	3908491	6.078
(2)	5293680	5076500	5032964	4777474	4875311	4598640	4942428	4.952
(3)	4306160	4161790	4210412	4025041	4125351	3892234	4120165	3.526
(4)	5938440	5791970	5855496	5553651	5639222	5222929	5666951	4.572
(5)	5814140	5340680	5294572	5076572	5167548	4815150	5251444	6.341
8 Aroclor-1254(1)	5059260	5112740	4972980	4853949	4846683	4498337	4890658	4.496
(2)	5676800	5732820	5498892	5408710	5332582	4938703	5431418	5.264
(3)	7154240	7287610	7223064	7190117	7105402	6411071	7061917	4.599

Report Date : 26-Jan-2011 14:56

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 24-JAN-2011 16:18
 End Cal Date : 25-JAN-2011 04:54
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07EA24.b\PCB040.m\PCB040.
 Cal Date : 25-Jan-2011 09:47 rthomas
 Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.25000 Level 3	1.000 Level 4	2.500 Level 5	10.000 Level 6	RRF	% RSD
(4)	4869400	5011780	4915320	4865149	4862232	4459881	4830627	3.940
(5)	4498280	4588170	4549028	4514693	4571495	4258587	4496709	2.700
9 Aroclor-1260(1)	4211680	4317540	3962752	4155324	4218132	4105906	4161889	2.897
(2)	5069800	5198020	5011520	5076726	5011990	4771211	5023211	2.806
(3)	3829400	3927950	3577736	3721855	3942068	3839985	3806499	3.607
(4)	8955560	8368140	7590588	7574733	7552052	7152236	7865552	8.449
(5)	3443560	3640350	3458056	3543682	3622940	3607031	3552603	2.406
10 Aroclor-1262(1)	+++++	+++++	+++++	4729431	+++++	+++++	4729431	0.000
(2)	+++++	+++++	+++++	6112540	+++++	+++++	6112540	0.000
(3)	+++++	+++++	+++++	5250263	+++++	+++++	5250263	0.000
(4)	+++++	+++++	+++++	10469206	+++++	+++++	10469206	0.000
(5)	+++++	+++++	+++++	5229526	+++++	+++++	5229526	0.000
11 Aroclor-1268(1)	+++++	+++++	+++++	12811843	+++++	+++++	12811843	0.000
(2)	+++++	+++++	+++++	10794597	+++++	+++++	10794597	0.000
(3)	+++++	+++++	+++++	8785841	+++++	+++++	8785841	0.000
(4)	+++++	+++++	+++++	24956043	+++++	+++++	24956043	0.000
(5)	+++++	+++++	+++++	3958536	+++++	+++++	3958536	0.000
\$ 2 Tetrachloro-m-xylene	120210000	124001500	108616000	119553400	133672800	136098845	123692091	8.166
\$ 12 Decachlorobiphenyl	53820000	56847500	56345000	54977800	52825180	52581830	54566218	3.285

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 01/24/11 Time: 1921

Lab File ID: 7EA179 Init. Calib. Date(s): 01/24/11 01/25/11

Init. Calib. Times: 1618 0454

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR	RRF1.0000	MIN	%D OR	MAX %D OR	CURV
	AMOUNT	OR		%D OR		
=====	=====	=====	=====	=====	=====	=====
Aroclor-1260	4161900.0	4284500.0	0.001	2.94	20.00	AVRG
(2)	5023200.0	5129800.0	0.001	2.12	20.00	AVRG
(3)	3806500.0	4404300.0	0.001	15.70	20.00	AVRG
(4)	7865500.0	6851500.0	0.001	-12.89	20.00	AVRG
(5)	3552600.0	3414500.0	0.001	-3.89	20.00	AVRG
Average %D: 0.8000						

FORM VII PEST

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Init. Calib. Date(s): 01/24/11 01/25/11

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 4.61	DCB: 18.33			
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
=====						
01	AR1660 1.0	02/01/11	1300	4.62	18.37	
02	WG87587-BLAN	02/01/11	1541	4.62	18.36	
03	WG87587-LCS	02/01/11	1607	4.62	18.36	
04	WG87587-LCSD	02/01/11	1633	4.63	18.36	
05	2-MW03-65-1/	02/01/11	1659	4.63	18.37	
06	2-MW03-65-1/	02/01/11	1725	4.63	18.37	
07	SF-2-MW01-80	02/01/11	1751	4.63	18.37	
08	SF-2-MW04-65	02/01/11	1817	4.63	18.36	
09	FD01251101	02/01/11	1843	4.62	18.35	
10	RB01261101	02/01/11	1909	4.62	18.35	
11	2-MW03-65-1/	02/01/11	1935	4.62	18.35	
12	AR1660 0.25	02/01/11	2001	4.61	18.34	
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 02/01/11 Time: 1300

Lab File ID: 7EB001 Init. Calib. Date(s): 01/24/11 01/24/11

Init. Calib. Times: 1618 1828

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF1.0000		MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
	RRF OR AMOUNT	OR AMOUNT				
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	3202900.0	3243900.0	0.001	1.28	20.00	AVRG
(2)	6256000.0	6772800.0	0.001	8.26	20.00	AVRG
(3)	3588100.0	4159700.0	0.001	15.93	20.00	AVRG
(4)	2569400.0	3024000.0	0.001	17.69	20.00	AVRG
(5)	3032000.0	3364000.0	0.001	10.95	20.00	AVRG
Average %D: 10.820						
Aroclor-1260	4161900.0	4155000.0	0.001	-0.16	20.00	AVRG
(2)	5023200.0	5157100.0	0.001	2.66	20.00	AVRG
(3)	3806500.0	3853000.0	0.001	1.22	20.00	AVRG
(4)	7865500.0	8703800.0	0.001	10.66	20.00	AVRG
(5)	3552600.0	3685700.0	0.001	3.75	20.00	AVRG
Average %D: 3.6300						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	123690000	119640000	0.001	-3.27	20.00	AVRG
Decachlorobiphenyl	54566000	60726000	0.001	11.29	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC07 Calibration Date: 02/01/11 Time: 2001

Lab File ID: 7EB015 Init. Calib. Date(s): 01/24/11 01/24/11

Init. Calib. Times: 1618 1828

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	3202900.0	3230100.0	0.001	0.85	20.00	AVRG
(2)	6256000.0	6930400.0	0.001	10.78	20.00	AVRG
(3)	3588100.0	4443100.0	0.001	23.83	20.00	AVRG <-
(4)	2569400.0	3178600.0	0.001	23.71	20.00	AVRG <-
(5)	3032000.0	3554900.0	0.001	17.25	20.00	AVRG
Average %D: 15.280						
Aroclor-1260	4161900.0	4367300.0	0.001	4.94	20.00	AVRG
(2)	5023200.0	5535500.0	0.001	10.20	20.00	AVRG
(3)	3806500.0	3621900.0	0.001	-4.85	20.00	AVRG
(4)	7865500.0	11224000.0	0.001	42.70	20.00	AVRG <-
(5)	3552600.0	3695400.0	0.001	4.02	20.00	AVRG
Average %D: 11.400						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	123690000	118730000	0.001	-4.01	20.00	AVRG
Decachlorobiphenyl	54566000	67482000	0.001	23.67	20.00	AVRG <-

FORM VII PEST

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG87587-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Lab Sample ID: WG87587-1 Lab File ID: 7EB005

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 01/28/11

Date Analyzed (1): 02/01/11 Date Analyzed (2): 02/01/11

Time Analyzed (1): 1541 Time Analyzed (2): 1541

Instrument ID (1): GC07 Instrument ID (2): GC07

GC Column (1): ZB-MULTIRESIDUE1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG87587-LCS	WG87587-2	7EB006	02/01/11	02/01/11
02	WG87587-LCSD	WG87587-3	7EB007	02/01/11	02/01/11
03	2-MW03-65-1/2011MS	WG87587-4	7EB008	02/01/11	02/01/11
04	2-MW03-65-1/2011MSD	WG87587-5	7EB009	02/01/11	02/01/11
05	SF-2-MW01-80-1/2011	SE0387-1	7EB010	02/01/11	02/01/11
06	SF-2-MW04-65-1/2011	SE0387-2	7EB011	02/01/11	02/01/11
07	FD01251101	SE0387-3	7EB012	02/01/11	02/01/11
08	RB01261101	SE0387-4	7EB013	02/01/11	02/01/11
09	2-MW03-65-1/2011	SE0387-5	7EB014	02/01/11	02/01/11
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

Report of Analytical Results

Client:
Lab ID: WG87587-1
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 11-feb-2011 11:54

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.030	ug/L	1	.5	0.10	0.030	0.050
Aroclor-1221	U	0.040	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1232	U	0.018	ug/L	1	.5	0.10	0.018	0.050
Aroclor-1242	U	0.036	ug/L	1	.5	0.10	0.036	0.050
Aroclor-1248	U	0.040	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1254	U	0.016	ug/L	1	.5	0.10	0.016	0.050
Aroclor-1260	U	0.034	ug/L	1	.5	0.10	0.034	0.050
Tetrachloro-M-Xylene		92.0	%					
Decachlorobiphenyl		89.5	%					

FORM 2
WATER PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column(1): ZB-MULTIRESIDUE1ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG87587-BLANK	WG87587-1	83	92	89	82			0
02	WG87587-LCS	WG87587-2	83	92	91	80			0
03	WG87587-LCSD	WG87587-3	90	93	90	78			0
04	2-MW03-65-1/2011MS	WG87587-4	82	87	63	54			0
05	2-MW03-65-1/2011MSD	WG87587-5	87	93	74	64			0
06	SF-2-MW01-80-1/2011	SE0387-1	90	96	77	73			0
07	SF-2-MW04-65-1/2011	SE0387-2	99	102	105	92			0
08	FD01251101	SE0387-3	87	90	96	84			0
09	RB01261101	SE0387-4	84	90	49	72			0
10	2-MW03-65-1/2011	SE0387-5	96	100	92	88			0
11									
12									
13									
14									
15									
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28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (62-111)
S2 (DCB) = Decachlorobiphenyl (44-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

LCS/LCSD Recovery Report

LCS ID: WG87587-2
LCSD ID: WG87587-3
Project:
SDG: SF-1
Report Date: 11-feb-2011 11:54

Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	1.00	1.10	110.	1.08	108.	ug/L	2	30	65-112
Aroclor-1260	1.00	1.04	104.	1.02	102.	ug/L	2	30	62-104
Tetrachloro-M-Xylene			92.0		93.5				62-111
Decachlorobiphenyl			91.0		90.0				44-135

MS/MSD Recovery Report

MS ID: WG87587-4
MSD ID: WG87587-5
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87587
Report Date: 11-feb-2011 11:54

Analysis Date: 01-FEB-11
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Aroclor-1016	2.00	1.82	ug/L	U0.029	2.1	2.0	104.	112.	2	30	65-112
Aroclor-1260	2.00	1.82	ug/L	U0.033	1.8	11.9	92.5	106.	4	30	62-104
Tetrachloro-M-Xylene							87.0	92.8			62-111
Decachlorobiphenyl							62.8	74.2			44-135

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 02/03/11 02/03/11

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
			S1 : 14.93 S2 : 21.62			
CLIENT	LAB	DATE	TIME	S1	S2	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
=====	=====	=====	=====	=====	=====	=====
01	FLP50	02/03/11	1047	14.93	21.62	
02	FLP20	02/03/11	1154	14.93	21.62	
03	FLP200	02/03/11	1301	14.92	21.62	
04	FLP100	02/03/11	1409	14.92	21.61	
05	FLP5	02/03/11	1516	14.92	21.61	
06	FLPIND	02/03/11	1623	14.92	21.61	
07	WG87612-BLAN	WG87612-1	02/03/11	1731	14.92	21.61
08	WG87612-LCS	WG87612-2	02/03/11	1838	14.92	21.61
09	WG87612-LCSD	WG87612-3	02/03/11	1945	14.92	21.61
10	SF-2-MW01-80	SE0387-1	02/03/11	2052	14.93	21.62
11	SF-2-MW04-65	SE0387-2	02/03/11	2159	14.93	21.62
12	FD01251101	SE0387-3	02/03/11	2306	14.93	21.62
13	RB01261101	SE0387-4	02/04/11	0013	14.93	21.62
14	2-MW03-65-1/	SE0387-5	02/04/11	0119	14.93	21.62
15	2-MW03-65-1/	WG87612-4	02/04/11	0226	14.93	21.62
16	2-MW03-65-1/	WG87612-5	02/04/11	0332	14.93	21.62
17		FLP50	02/04/11	0439	14.93	21.62
18						
19						
20						

QC LIMITS

S1 = O-Terphenyl (+/- 0.30 MINUTES)
S2 = n-Triacontane-D62 (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 6
FL-PRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC12 Calibration Date(s): 02/03/11 02/03/11

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1047 1516

LAB FILE ID: RF5: CEB2012 RF20: CEB2009 RF50: CEB2008
RF100: CEB2011 RF200: CEB2010

COMPOUND	COEFFICIENTS						%RSD	MAX %RSD		
	RF5	RF20	RF50	RF100	RF200	CURVE				
FL-PRO peaks C8-C40	455980	1732800	4349400	8969300	2e+007	LINR	-0.1870663	1.925e-004	0.99988	0.99000
C-8	33594	112400	269380	536160	1050900	LINR	-1.1765418	1.908e-004	0.99989	0.99000
C-10	27556	105170	262240	532130	1048200	LINR	-0.2282689	1.905e-004	0.99994	0.99000
C-12	26092	102170	258340	529150	1039900	LINR	-2.2e-003	1.918e-004	0.99990	0.99000
C-14	26509	102560	259670	531810	1044900	LINR	-1.81e-002	1.908e-004	0.99990	0.99000
C-16	26818	102970	260570	534360	1049500	LINR	-2.17e-002	1.9e-004	0.99989	0.99000
C-18	26707	102500	259050	531920	1044400	LINR	-1.61e-002	1.909e-004	0.99989	0.99000
C-38	25406	96096	242550	504710	990800	LINR	0.16363740	2.011e-004	0.99984	0.99000
C-20	26816	102250	258210	530100	1040600	LINR	-4.03e-002	1.916e-004	0.99989	0.99000
C-22	27259	103210	261060	536240	1057300	LINR	7.542e-002	1.887e-004	0.99992	0.99000
C-24	29088	101600	258480	534120	1043700	LINR	-0.1309845	1.91e-004	0.99981	0.99000
C-26	26308	102320	240840	529900	1034600	LINR	0.51799616	1.923e-004	0.99943	0.99000
C-28	26775	101150	255870	527120	1033200	LINR	-2.22e-002	1.93e-004	0.99986	0.99000
C-36	25918	99671	250190	517640	1018200	LINR	0.10908205	1.958e-004	0.99988	0.99000
C-30	26446	101720	258980	534290	1045900	LINR	3.616e-002	1.905e-004	0.99984	0.99000
C-32	26289	100740	253960	521740	1024200	LINR	-3.2e-002	1.947e-004	0.99989	0.99000
C-34	27094	102700	259620	534660	1052000	LINR	6.409e-002	1.896e-004	0.99990	0.99000
C-40	21301	93528	240400	503260	989360	LINR	0.60843854	2.01e-004	0.99982	0.99000
O-Terphenyl	296610	290870	289590	298080	286100	LINR	5.836e-002	1.708e-004	0.99860	0.99000
n-Triacontane-D62	1341200	1299500	1325800	1348800	1294400	LINR	0.40616163	2.266e-004	0.99838	0.99000

FORM VI FL-PRO

Report Date : 08-Feb-2011 13:26

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 03-FEB-2011 10:47
 End Cal Date : 03-FEB-2011 15:16
 Quant Method : ESTD
 Origin : Included
 Target Version : 4.12
 Integrator : HP Genie
 Method file : \\target_server\GG\chem\gc12.i\GC12EB03B1.b\flpb019A.m
 Cal Date : 04-Feb-2011 13:30 acronin

Calibration File Names:

Level 1: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2012.d
 Level 2: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2009.d
 Level 3: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2008.d
 Level 4: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2011.d
 Level 5: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2010.d

Compound	5.0000	20.0000	50.0000	100.0000	200.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5		b	m1	m2	or R ²
M 1 FL-PRO peaks C8-C40	455983	1732761	4349405	8969316	17607768	LINR	-0.18707	5194		0.99988
2 C-8	33594	112395	269381	536159	1050938	LINR	-1.17654	5241		0.99989
3 C-10	27556	105166	262240	532130	1048182	LINR	-0.22827	5248		0.99994
4 C-12	26092	102173	258336	529146	1039921	LINR	-0.00220	5215		0.99990
5 C-14	26509	102560	259666	531812	1044930	LINR	-0.01805	5240		0.99990
6 C-16	26818	102970	260570	534356	1049492	LINR	-0.02168	5263		0.99989
S 7 Petroleum Range Organics	455983	1732761	4349405	8969316	17607768	LINR	-0.18707	5194		0.99988
8 C-18	26707	102500	259051	531915	1044441	LINR	-0.01606	5238		0.99989
10 C-20	26816	102252	258209	530101	1040596	LINR	-0.04034	5218		0.99989
11 C-22	27259	103209	261063	536245	1057262	LINR	0.07542	5300		0.99992
12 C-24	29088	101604	258479	534117	1043740	LINR	-0.13098	5234		0.99981
13 C-26	26308	102315	240837	529905	1034604	LINR	0.51800	5200		0.99943
14 C-28	26775	101150	258869	527124	1033238	LINR	-0.02219	5183		0.99987
16 C-30	26446	101722	258980	534289	1045862	LINR	0.03616	5249		0.99984
17 C-32	26289	100736	253956	521738	1024203	LINR	-0.03200	5136		0.99989

Report Date : 08-Feb-2011 13:26

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 03-FEB-2011 10:47
End Cal Date : 03-FEB-2011 15:16
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc12.i\GC12EB03B1.b\flpb019A.m
Cal Date : 04-Feb-2011 13:30 acronin

Compound	5.0000	20.0000	50.0000	100.0000	200.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5		b	m1	m2	
18 C-34	27094	102705	259624	534664	1051965	LINR	0.06409	5275		0.99990
19 C-36	25918	99671	250187	517642	1018231	LINR	0.10908	5107		0.99988
20 C-38	25406	96096	242554	504706	990800	LINR	0.16364	4972		0.99984
21 C-40	21301	93528	240396	503258	989356	LINR	0.60844	4976		0.99982
\$ 9 O-Terphenyl	296613	290871	289586	298082	286103	LINR	0.05836	5853		0.99860
\$ 15 n-Triacontane-D62	1341160	1299492	1325762	1348849	1294413	LINR	0.40616	4414		0.99838

Report Date : 08-Feb-2011 13:26

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 03-FEB-2011 10:47
End Cal Date : 03-FEB-2011 15:16
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target server\GG\chem\gc12.i\GC12EB03B1.b\flpb019A.m
Cal Date : 04-Feb-2011 13:30 acronin

Curve	Formula	Units
Linear	Amt = b + Rsp/ml	Response

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC12 Calibration Date: 02/03/11 Time: 1623

Lab File ID: CEB2013 Init. Calib. Date(s): 02/03/11 02/03/11

Init. Calib. Times: 1047 1516

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
FL-PRO peaks C8-C40	857.75000	850.00000	5241.6000	0.01	0.91	25.00	LINR
C-8	50.170000	50.000000	5382.4000	0.01	0.34	25.00	LINR
C-10	50.021000	50.000000	5274.4000	0.01	0.04	25.00	LINR
C-12	49.967000	50.000000	5211.7000	0.01	-0.07	25.00	LINR
C-14	49.768000	50.000000	5217.4000	0.01	-0.46	25.00	LINR
C-16	49.441000	50.000000	5206.2000	0.01	-1.12	25.00	LINR
C-18	50.222000	50.000000	5262.6000	0.01	0.44	25.00	LINR
C-38	51.875000	50.000000	5142.0000	0.01	3.75	25.00	LINR
C-20	49.941000	50.000000	5216.0000	0.01	-0.12	25.00	LINR
C-22	50.062000	50.000000	5298.4000	0.01	0.12	25.00	LINR
C-24	51.310000	50.000000	5385.3000	0.01	2.62	25.00	LINR
C-26	51.377000	50.000000	5289.7000	0.01	2.75	25.00	LINR
C-28	51.426000	50.000000	5332.7000	0.01	2.85	25.00	LINR
C-36	49.204000	50.000000	5014.3000	0.01	-1.59	25.00	LINR
C-30	50.887000	50.000000	5338.5000	0.01	1.77	25.00	LINR
C-32	53.113000	50.000000	5458.9000	0.01	6.23	25.00	LINR
C-34	49.456000	50.000000	5210.7000	0.01	-1.09	25.00	LINR
C-40	49.511000	50.000000	4866.8000	0.01	-0.98	25.00	LINR
O-Terphenyl	51.102000	50.000000	5975.4000	0.01	2.20	25.00	LINR
n-Triacontane-D62	306.84000	300.00000	4508.3000	0.01	2.28	25.00	LINR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GC12 Calibration Date: 02/04/11 Time: 0439

Lab File ID: CEB2024 Init. Calib. Date(s): 02/03/11 02/03/11

Init. Calib. Times: 1047 1516

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
FL-PRO peaks C8-C40	926.62000	850.00000	5659.7000	0.01	9.01	25.00	LINR
C-8	52.834000	50.000000	5661.7000	0.01	5.67	25.00	LINR
C-10	52.414000	50.000000	5525.6000	0.01	4.83	25.00	LINR
C-12	52.594000	50.000000	5485.7000	0.01	5.19	25.00	LINR
C-14	52.810000	50.000000	5536.2000	0.01	5.62	25.00	LINR
C-16	52.611000	50.000000	5539.8000	0.01	5.22	25.00	LINR
C-18	52.623000	50.000000	5514.1000	0.01	5.25	25.00	LINR
C-38	56.412000	50.000000	5593.2000	0.01	12.82	25.00	LINR
C-20	53.003000	50.000000	5535.5000	0.01	6.01	25.00	LINR
C-22	52.742000	50.000000	5582.5000	0.01	5.48	25.00	LINR
C-24	54.102000	50.000000	5677.6000	0.01	8.20	25.00	LINR
C-26	54.664000	50.000000	5631.6000	0.01	9.33	25.00	LINR
C-28	54.201000	50.000000	5620.3000	0.01	8.40	25.00	LINR
C-36	55.859000	50.000000	5693.9000	0.01	11.72	25.00	LINR
C-30	54.713000	50.000000	5740.1000	0.01	9.43	25.00	LINR
C-32	54.014000	50.000000	5551.5000	0.01	8.03	25.00	LINR
C-34	58.389000	50.000000	6153.1000	0.01	16.78	25.00	LINR
C-40	62.634000	50.000000	6172.8000	0.01	25.27	25.00	LINR
O-Terphenyl	52.760000	50.000000	6169.5000	0.01	5.52	25.00	LINR
n-Triacontane-D62	321.58000	300.00000	4725.1000	0.01	7.19	25.00	LINR

FORM VII PEST

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG87612-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1
 Lab File ID: CEB2014 Lab Sample ID: WG87612-1
 Instrument ID: GC12 Date Extracted: 01/28/11
 Matrix: (soil/water) WATER Date Analyzed: 02/03/11
 Level: (low/med) LOW Time Analyzed: 1731

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG87612-LCS	WG87612-2	CEB2015	02/03/11	1838
02	WG87612-LCSD	WG87612-3	CEB2016	02/03/11	1945
03	SF-2-MW01-80-1/2011	SE0387-1	CEB2017	02/03/11	2052
04	SF-2-MW04-65-1/2011	SE0387-2	CEB2018	02/03/11	2159
05	FD01251101	SE0387-3	CEB2019	02/03/11	2306
06	RB01261101	SE0387-4	CEB2020	02/04/11	0013
07	2-MW03-65-1/2011	SE0387-5	CEB2021	02/04/11	0119
08	2-MW03-65-1/2011MS	WG87612-4	CEB2022	02/04/11	0226
09	2-MW03-65-1/2011MSD	WG87612-5	CEB2023	02/04/11	0332
10					
11					
12					
13					
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30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG87612-1
Client ID: Method Blank Sample
Project:
SDG: SF-1

Sample Date:
Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 03-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJLOQ	ADJMDL	ADJLOD
Petroleum Range Organics	I	330	ug/L	1	500	500	56.	250
o-Terphenyl		89.0	%					
n-Triacontane-D62		98.3	%					

FORM 2
WATER FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG87612-BLANK	WG87612-1	99	89							0
02	WG87612-LCS	WG87612-2	98	94							0
03	WG87612-LCSD	WG87612-3	102	99							0
04	SF-2-MW01-80-1/2011	SE0387-1	106	101							0
05	SF-2-MW04-65-1/2011	SE0387-2	102	97							0
06	FD01251101	SE0387-3	103	97							0
07	RB01261101	SE0387-4	103	96							0
08	2-MW03-65-1/2011	SE0387-5	105	97							0
09	2-MW03-65-1/2011MS	WG87612-4	99	97							0
10	2-MW03-65-1/2011MSD	WG87612-5	109	106							0
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

QC LIMITS

S1 = n-Triacontane-D62 (70-130)

S2 (OTP) = O-Terphenyl (82-142)

Column to be used to flag recovery values

J Values outside of contract required QC limits

D Surrogate diluted out

LCS/LCSD Recovery Report

LCS ID: WG87612-2
LCSD ID: WG87612-3
Project:
SDG: SF-1
Report Date: 14-FEB-11

Received Date: 28-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612

Analysis Date: 03-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Petroleum Range Organics	1700	1800	106.	1700	100.	ug/L	6	30	55-118
o-Terphenyl			94.0		99.0				82-142
n-Triacontane-D62			96.7		102.				70-130

MS/MSD Recovery Report

MS ID: WG87612-4
MSD ID: WG87612-5
Sample ID: SE0387-5
Client ID: SF-2-MW03-65-1/2011
Project:
SDG: SF-1

Received Date: 27-JAN-11
Extract Date: 28-JAN-11
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG87612
Report Date: 14-FEB-11

Analysis Date: 04-FEB-11
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA

Compound	MS Spike	MSD Spike	Conc Units	Samp Conc	MS Conc	MSD Conc	MS Rec (%)	MSD Rec (%)	RPD (%)	RPD Limit	Limits
Petroleum Range Organics	1630	1630	ug/L	U54.	1700	1900	104.	116.	11	30	55-118
o-Terphenyl							96.7	104.			82-142
n-Triacontane-D62							98.8	109.			70-130

CLIENT Saulfley Field		JOB NUMBER SF-1	
SUBJECT Sample Calculations			
BASED ON		DRAWING NUMBER	
BY John Cognetti	CHECKED BY	APPROVED BY	DATE 2-23-11

I. VOC; RBO1261101; acetone

$$\frac{36348}{492624} * 1 * \frac{5}{5} * \frac{50}{0.15974973} = 23.1 \mu\text{g/L acetone}$$

II. SVOC; RBO1261101; Benzaldehyde

$$\frac{7060}{540094} * 1 * 1 * \frac{0.001}{1.04 * 1} * 1000 * \frac{40}{0.14883747} = 3.4 \mu\text{g/L}$$

III. PET; RBO1261101;

$$\frac{857073}{5194} * \frac{0.002}{1.04} * 1000 = 317.3 \mu\text{g/L PET}$$

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SE0387-4
 Client ID: **RB01261101**
 Project: OLF Saufley Field, FL- CTO.
 SDG: SF-1

Sample Date: 26-JAN-11
 Received Date: 27-JAN-11
 Extract Date: 27-JAN-11
 Extracted By: DJP
 Extraction Method: SW846 5030
 Lab Prep Batch: WG87577

Analysis Date: 27-JAN-11
 Analyst: DJP
 Analysis Method: SW846 8260B
 Matrix: AQ
 % Solids: NA
 Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone		23.	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	I	2.6	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Sample Calculation

Data File: \\target_server\GG\chem\gcms-d.i\D012711.b\D9633.D
 Report Date: 08-Feb-2011 10:51

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-d.i\D012711.b\D9633.D
 Lab Smp Id: SE0387-4 Client Smp ID: RB01261101
 Inj Date : 27-JAN-2011 19:43 MS Autotune Date: 05-MAR-2010 08:29
 Operator : DJP Inst ID: gcms-d.i
 Smp Info : SE0387-4
 Misc Info : SW846 8260B
 Comment : SW846 5030
 Method : \\target_server\GG\chem\gcms-d.i\D012711.b\D826A53.m
 Meth Date : 03-Feb-2011 11:20 dpaul Quant Type: ISTD
 Cal Date : 20-JAN-2011 10:53 Cal File: D9489.D
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TETRATOLFSF.sub
 Target Version: 4.12
 Processing Host: T6-0360

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)	
15 Acetone	43	4.956	4.956 (0.603)		36348	23.0938	23.1	
40 2-Butanone	43	7.773	7.773 (0.945)		5957	2.60328	2.6(a)	
\$ 37 Dibromofluoromethane	113	7.595	7.594 (0.923)		204637	45.9495	45.9	
\$ 45 1,2-Dichloroethane-D4	65	8.274	8.279 (1.006)		291182	46.2148	46.2	
\$ 55 Toluene-DB	98	10.476	10.483 (1.180)		767361	48.1204	48.1	
\$ 76 P-Bromofluorobenzene	95	14.016	14.015 (1.579)		349505	51.5430	51.5	
* 42 Pentafluorobenzene	168	8.224	8.223 (1.000)		492624	50.0000		
* 49 1,4-Difluorobenzene	114	8.875	8.874 (1.000)		726394	50.0000		
* 66 Chlorobenzene-D5	117	12.364	12.363 (1.000)		681803	50.0000		
* 91 1,4-Dichlorobenzene-D4	152	15.703	15.702 (1.000)		411462	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Sample Calculation

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-D Calibration Date(s): 01/20/11 01/20/11

Column: RTPX-VMS ID: 0.18 (mm) Calibration Time(s): 0811 1053

LAB FILE ID: RF1: D9489 RF5: D9488 RF20: D9487
RF50: D9486 RF100: D9485 RF200: D9484

COMPOUND	RF							CURVE	COEFFICIENTS		%RSD	MAX %RSD
	RF1	RF5	RF20	RF50	RF100	RF200	A0		A1	OR R^2		
Dichlorodifluoromethane	0.406	0.330	0.368	0.349	0.370	0.364	AVRG		0.36446318	6.907	15.000	
Chloromethane	0.793	0.668	0.654	0.630	0.628	0.560	AVRG		0.65543528	11.748	15.000	
Vinyl chloride	0.596	0.490	0.496	0.483	0.500	0.476	AVRG		0.50673657	8.842	15.000	
Bromomethane	0.381	0.281	0.256	0.270	0.285	0.305	AVRG		0.29620485	15.093	15.000	
Chloroethane	0.365	0.341	0.351	0.332	0.342	0.320	AVRG		0.34181451	4.570	15.000	
Trichlorofluoromethane	0.871	0.678	0.744	0.726	0.772	0.814	AVRG		0.76757515	8.878	15.000	
1,1-Dichloroethene	0.407	0.360	0.374	0.371	0.388	0.383	AVRG		0.38060378	4.223	15.000	
Carbon Disulfide	1.498	1.303	1.412	1.414	1.489	1.458	AVRG		1.42917689	4.996	15.000	
Methylene Chloride	0.621	0.471	0.474	0.461	0.476	0.469	AVRG		0.49548138	12.489	15.000	
Acetone	0.159	0.152	0.156	0.161	0.168	0.162	AVRG		0.15974973	3.425	15.000	
trans-1,2-Dichloroethene	0.501	0.443	0.460	0.459	0.463	0.464	AVRG		0.46500653	4.173	15.000	
Methyl tert-butyl ether	0.884	1.128	1.253	1.273	1.364	1.345	AVRG		1.20795201	14.861	15.000	
1,1-Dichloroethane	1.000	0.873	0.893	0.881	0.907	0.899	AVRG		0.90892253	5.113	15.000	
cis-1,2-Dichloroethene	0.509	0.465	0.469	0.462	0.481	0.473	AVRG		0.47659919	3.606	15.000	
Bromochloromethane	0.242	0.225	0.238	0.228	0.233	0.226	AVRG		0.23210675	3.045	15.000	
Chloroform	0.876	0.845	0.853	0.847	0.870	0.874	AVRG		0.86087512	1.669	15.000	
Carbon Tetrachloride	0.450	0.397	0.439	0.426	0.459	0.466	AVRG		0.43940970	5.661	15.000	
1,1,1-Trichloroethane	0.789	0.722	0.771	0.773	0.822	0.838	AVRG		0.78580080	5.264	15.000	
2-Butanone	0.195	0.214	0.241	0.246	0.256	0.242	AVRG		0.23225275	9.865	15.000	
Benzene	1.390	1.278	1.284	1.269	1.286	1.221	AVRG		1.28789582	4.300	15.000	
1,2-Dichloroethane	0.557	0.477	0.498	0.490	0.505	0.501	AVRG		0.50468956	5.460	15.000	
Trichloroethene	0.347	0.329	0.325	0.313	0.323	0.331	AVRG		0.32803176	3.449	15.000	
1,2-Dichloropropane	0.346	0.304	0.323	0.321	0.330	0.324	AVRG		0.32481779	4.141	15.000	
Bromodichloromethane	0.429	0.408	0.444	0.443	0.464	0.470	AVRG		0.44303549	5.106	15.000	
cis-1,3-dichloropropane	0.448	0.464	0.536	0.547	0.571	0.568	AVRG		0.52226447	10.188	15.000	
Toluene	0.846	0.802	0.827	0.804	0.821	0.803	AVRG		0.81715185	2.173	15.000	
4-methyl-2-pentanone	0.260	0.306	0.354	0.342	0.343	0.303	AVRG		0.31807428	11.043	15.000	
Tetrachloroethene	0.382	0.296	0.295	0.284	0.290	0.279	AVRG		0.30421050	12.677	15.000	
trans-1,3-Dichloropropene	0.377	0.404	0.465	0.487	0.520	0.524	AVRG		0.46280687	13.107	15.000	
1,1,2-Trichloroethane	0.250	0.223	0.236	0.229	0.237	0.233	AVRG		0.23441829	3.954	15.000	
Dibromochloromethane	0.294	0.291	0.325	0.337	0.356	0.356	AVRG		0.32656665	8.885	15.000	
1,2-Dibromoethane	0.287	0.258	0.292	0.292	0.304	0.305	AVRG		0.28967586	5.962	15.000	
2-Hexanone	14886	94457	493330	1241600	2562700	4574200	LINE	-0.1439196	4.40585505	0.99640	0.99000	
Chlorobenzene	1.123	0.911	0.917	0.896	0.932	0.896	AVRG		0.94597809	9.297	15.000	
Ethylbenzene	0.539	0.478	0.496	0.487	0.513	0.507	AVRG		0.50348540	4.340	15.000	
m+p-Xylenes	0.643	0.586	0.622	0.610	0.639	0.609	AVRG		0.61818608	3.450	15.000	
o-Xylene	0.525	0.524	0.584	0.596	0.631	0.626	AVRG		0.58079589	8.140	15.000	
Styrene	0.740	0.813	0.984	0.998	1.070	1.047	AVRG		0.94213572	14.217	15.000	
Bromoform	0.219	0.203	0.239	0.249	0.271	0.277	AVRG		0.24291643	11.789	15.000	
Isopropylbenzene	1.951	1.988	2.196	2.108	2.145	2.031	AVRG		2.07004270	4.590	15.000	
1,1,2,2-Tetrachloroethane	0.654	0.588	0.620	0.589	0.597	0.579	AVRG		0.60478318	4.620	15.000	
1,3-Dichlorobenzene	1.490	1.299	1.355	1.299	1.330	1.284	AVRG		1.34285015	5.694	15.000	
1,4-Dichlorobenzene	1.738	1.386	1.393	1.349	1.381	1.332	AVRG		1.42995144	10.696	15.000	
1,2-Dichlorobenzene	1.366	1.225	1.307	1.267	1.296	1.247	AVRG		1.28467036	3.893	15.000	

FORM VI VOA

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SE0387-4
 Client ID: RB01261101
 Project: OLF Saufley Field, FL- CTO.
 SDG: SF-1

Sample Date: 26-JAN-11
 Received Date: 27-JAN-11
 Extract Date: 28-JAN-11
 Extracted By: KF
 Extraction Method: SW846 3510
 Lab Prep Batch: WG87584

Analysis Date: 28-JAN-11
 Analyst: WAS
 Analysis Method: SW846 8270C
 Matrix: AQ
 % Solids: NA
 Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.2	ug/L	1	25	24.	2.2	18.
Carbazole	U	2.0	ug/L	1	10	9.6	2.0	7.2
Di-N-Butylphthalate	U	2.4	ug/L	1	10	9.6	2.4	7.2
Butylbenzylphthalate	U	1.8	ug/L	1	10	9.6	1.8	7.2
3,3'-Dichlorobenzidine	U	1.0	ug/L	1	10	9.6	1.0	18.
Bis(2-Ethylhexyl) Phthalate	U	1.6	ug/L	1	10	9.6	1.6	7.2
Di-N-Octylphthalate	U	1.7	ug/L	1	10	9.6	1.7	7.2
1,1'-Biphenyl	U	2.6	ug/L	1	10	9.6	2.6	7.2
Caprolactam	U	0.38	ug/L	1	10	9.6	0.38	7.2
<u>Benzaldehyde</u>	I	<u>3.4</u>	ug/L	1	10	9.6	0.96	7.2
Acetophenone	U	3.8	ug/L	1	10	9.6	3.8	7.2
Atrazine	U	3.2	ug/L	1	10	9.6	3.2	7.2
2,3,4,6-Tetrachlorophenol	U	2.6	ug/L	1	10	9.6	2.6	7.2
1,2,4,5-Tetrachlorobenzene	U	1.7	ug/L	1	10	9.6	1.7	7.2
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	9.6	1.2	7.2
1,4-Dioxane	U	1.7	ug/L	1	10	9.6	1.7	7.2
2-Fluorophenol		46.6	%					
Phenol-D6		33.4	%					
Nitrobenzene-d5		77.5	%					
2-Fluorobiphenyl		78.6	%					
2,4,6-Tribromophenol		74.8	%					
Terphenyl-d14		85.4	%					

Data File: \\target_server\GG\chem\gcms-u.i\U010711DoD.b\U4475.D
 Report Date: 01-Feb-2011 10:07

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-u.i\U010711DoD.b\U4475.D
 Lab Smp Id: SE0387-4 Client Smp ID: RB01261101
 Inj Date : 28-JAN-2011 23:24 MS Autotune Date: 22-APR-2008 02:31
 Operator : WAS Inst ID: gcms-u.i
 Smp Info : SE0387-4
 Misc Info : SW846 8270C
 Comment :
 Method : \\target_server\GG\chem\gcms-u.i\U010711DoD.b\U8270C78.m
 Meth Date : 13-Jan-2011 10:39 gcms-u.i Quant Type: ISTD
 Cal Date : 07-JAN-2011 14:11 Cal File: U4247.D
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: tt_olfsf.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * Uf*(Vt/Vo*Vi)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction Factor
Vt	0.00100	Final Volume (L)
Vo	1.040	Sample Volume (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
							ON-COLUMN (ug/ml)	FINAL (ug/L)	
\$ 8 2-Fluorophenol	112		5.963	5.986	(0.702)	759190	46.5841	44.8	
11 Benzaldehyde	77		7.609	7.642	(0.895)	7060	3.51304	3.38(a)	
\$ 12 Phenol-D6	99		7.868	7.880	(0.926)	635510	33.3622	32.1	
* 19 1,4-Dichlorobenzene-D4	152		8.499	8.532	(1.000)	540094	40.0000		
\$ 33 Nitrobenzene-D5	82		9.710	9.753	(0.860)	617644	38.7353	37.2	
* 44 Naphthalene-D8	136		11.294	11.337	(1.000)	1967413	40.0000		
\$ 62 2-Fluorobiphenyl	172		13.902	13.955	(0.902)	1192034	39.2778	37.8	
* 78 Acenaphthene-D10	164		15.413	15.456	(1.000)	1107870	40.0000		
\$ 100 2,4,6-Tribromophenol	330		17.297	17.350	(1.122)	394028	74.8496	72.0	
* 114 Phenanthrene-D10	188		18.922	18.985	(1.000)	1743227	40.0000		
\$ 129 Terphenyl-D14	244		22.865	22.918	(0.906)	1070097	42.7032	41.1	
* 141 Chrysene-D12	240		25.225	25.289	(1.000)	1339980	40.0000		
* 150 Perylene-D12	264		28.361	28.425	(1.000)	800472	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

Sample Calculation

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: SF-1

Instrument ID: GCMS-U Calibration Date(s): 01/07/11 01/07/11

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1029 1411

LAB FILE ID: RF10: U4243 RF25: U4244 RF50: U4242
RF75: U4245 RF100: U4246 RF125: U4247

COMPOUND	RF							CURVE	COEFFICIENTS			%RSD	MAX %RSD
	RF10	RF25	RF50	RF75	RF100	RF125	A0		A1	A2	OR R^2		
1,4-Dioxane	0.314	0.330	0.315	0.328	0.320	0.331	AVRG		0.32299997		2.374	15.000	
Benzaldehyde	0.181	0.163	0.152	0.149	0.120	0.128	AVRG		0.14883747		14.928	15.000	
Phenol	1.647	1.671	1.616	1.616	1.410	1.388	AVRG		1.55790920		8.029	30.000	
Bis(2-Chloroethyl) ether	1.257	1.220	1.105	1.147	1.020	0.996	AVRG		1.12401236		9.324	15.000	
2-Chlorophenol	1.318	1.284	1.204	1.222	1.114	1.127	AVRG		1.21135093		6.742	15.000	
2-Methylphenol	1.150	1.196	1.159	1.187	1.085	1.108	AVRG		1.14761404		3.802	15.000	
2,2'-Oxybis(1-chloropropa	1.506	1.509	1.410	1.446	1.306	1.308	AVRG		1.41411726		6.434	15.000	
Acetophenone	0.439	0.445	0.412	0.410	0.374	0.387	AVRG		0.41126585		6.763	15.000	
N-Nitroso-di-n-propylamin	0.877	0.834	0.750	0.777	0.687	0.720	AVRG		0.77450061		9.187	15.000	
3,4-Methylphenol	1.282	1.317	1.216	1.248	1.017	0.926	AVRG		1.16767977		13.549	15.000	
Hexachloroethane	0.602	0.579	0.535	0.545	0.470	0.431	AVRG		0.52696192		12.339	15.000	
Nitrobenzene	0.329	0.330	0.311	0.317	0.283	0.293	AVRG		0.31028672		6.137	15.000	
Isophorone	0.640	0.653	0.626	0.649	0.591	0.606	AVRG		0.62743014		3.958	15.000	
2-Nitrophenol	0.183	0.192	0.187	0.189	0.171	0.178	AVRG		0.18318482		4.172	30.000	
2,4-Dimethylphenol	0.329	0.322	0.307	0.314	0.282	0.287	AVRG		0.30673308		6.205	15.000	
Bis(2-Chloroethoxy)methan	0.405	0.392	0.366	0.466	0.414	0.422	AVRG		0.41079603		8.065	15.000	
2,4-Dichlorophenol	0.274	0.285	0.269	0.269	0.238	0.240	AVRG		0.26238620		7.284	30.000	
4-Chloroaniline	135300	375070	601620	718410	932090	1096400	2ORDR	-2.57e-003	2.14933832	2.30679967	0.99466	0.99000	
Hexachlorobutadiene	0.173	0.171	0.156	0.153	0.130	0.131	AVRG		0.15251379		12.272	30.000	
Caprolactam	0.083	0.102	0.104	0.109	0.106	0.108	AVRG		0.10201652		9.327	15.000	
4-Chloro-3-Methylphenol	0.268	0.286	0.273	0.278	0.256	0.262	AVRG		0.27046479		4.077	30.000	
Hexachlorocyclopentadiene	0.334	0.343	0.307	0.286	0.258	0.264	AVRG		0.29869333		11.921	15.000	
1,2,4,5-Tetrachlorobenzen	97972	255360	416200	530450	683540	802170	2ORDR	-1.69e-002	1.88962612	1.07259918	0.99604	0.99000	
2,4,6-Trichlorophenol	0.348	0.362	0.339	0.325	0.297	0.302	AVRG		0.32887859		7.844	30.000	
2,4,5-Trichlorophenol	0.364	0.404	0.384	0.384	0.351	0.355	AVRG		0.37342053		5.448	15.000	
2-Chloronaphthalene	0.416	0.398	0.366	0.358	0.287	0.300	AVRG		0.35437894		14.572	15.000	
1,1'-Biphenyl	262200	685080	1115500	1383000	1700200	1985300	2ORDR	1.294e-003	0.57741547	0.24356315	0.99244	0.99000	
2-Nitroaniline	0.307	0.352	0.340	0.346	0.286	0.278	AVRG		0.31840883		10.115	15.000	
Dimethyl Phthalate	1.225	1.254	1.142	1.106	0.966	0.973	AVRG		1.11105453		10.988	15.000	
2,6-Dinitrotoluene	0.261	0.274	0.247	0.247	0.227	0.228	AVRG		0.24734665		7.371	15.000	
3-Nitroaniline	0.227	0.275	0.286	0.300	0.304	0.297	AVRG		0.28151659		10.116	15.000	
2,4-Dinitrophenol	15093	79806	167000	230020	347290	421130	LINR	8.395e-002	5.55323938		0.99843	0.99000	
Dibenzofuran	1.548	1.534	1.391	1.350	1.213	1.182	AVRG		1.36976795		11.284	15.000	
4-Nitrophenol	0.101	0.152	0.151	0.150	0.138	0.138	AVRG		0.13829111		14.081	15.000	
2,4-Dinitrotoluene	0.325	0.389	0.366	0.354	0.338	0.342	AVRG		0.35231301		6.451	15.000	
2,3,4,6-Tetrachlorophenol	0.309	0.336	0.312	0.299	0.271	0.270	AVRG		0.29961394		8.537	15.000	
Diethylphthalate	1.255	1.313	1.184	1.149	1.017	0.964	AVRG		1.14706679		11.760	15.000	
4-Chlorophenyl-phenylethe	0.547	0.570	0.514	0.499	0.454	0.449	AVRG		0.50550094		9.653	15.000	
4-Nitroaniline	0.206	0.271	0.248	0.246	0.258	0.267	AVRG		0.24923070		9.392	15.000	
4,6-Dinitro-2-Methylpheno	0.089	0.122	0.126	0.126	0.122	0.123	AVRG		0.11793152		12.228	15.000	
N-Nitrosodiphenylamine	0.656	0.618	0.576	0.546	0.498	0.505	AVRG		0.56673864		11.045	30.000	
4-Bromophenyl-phenylether	0.217	0.205	0.191	0.182	0.161	0.159	AVRG		0.18584523		12.600	15.000	
Hexachlorobenzene	0.254	0.215	0.198	0.191	0.176	0.178	AVRG		0.20219469		14.435	15.000	
Atrazine	0.194	0.181	0.151	0.133	0.105	0.094	AVRG		0.14309743		28.062	15.000	

FORM VI SV

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SE0387-4
 Client ID: KB01261101
 Project: OLF Saufley Field, FL- CTO.
 SDG: SF-1

Sample Date: 26-JAN-11
 Received Date: 27-JAN-11
 Extract Date: 28-JAN-11
 Extracted By: KF
 Extraction Method: SW846 3510
 Lab Prep Batch: WG87612

Analysis Date: 04-FEB-11
 Analyst: AC
 Analysis Method: FL-PRO
 Matrix: AQ
 % Solids: NA
 Report Date: 14-FEB-11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
<u>Petroleum Range Organics</u>	IV	<u>320</u>	ug/L	1	500	480	54.	240
o-Terphenyl		95.6	%					
n-Triacontane-D62		102.	%					

Sample Calculation

Data File: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2020.d
Report Date: 14-Feb-2011 12:39

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2020.d
Lab Smp Id: SE0387-4 Client Smp ID: RB01261101
Inj Date : 04-FEB-2011 00:13
Operator : AC Inst ID: gc12.i
Smp Info : SE0387-4
Misc Info : WG88066, WG87612, CEB2008
Comment :
Method : \\TARGET_SERVER\GG\chem\gc12.i\GC12EB03B1.B\FLPB019A.m
Meth Date : 04-Feb-2011 13:30 acronin Quant Type: ESTD
Cal Date : 03-FEB-2011 15:16 Cal File: CEB2012.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8015M-FLPRO.sub
Subtraction File: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2027.d
Target Version: 4.12
Processing Host: T8-D4700

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00200	Final Volume (L)
Vo	1.040	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/ml)	FINAL (ug/L)
\$ 9 O-Terphenyl	14.931	14.925	0.006	281430	48.1396	92
\$ 15 n-Triacontane-D62	21.620	21.616	0.004	1362965	309.215	590
S 7 <u>Petroleum Range Organics</u>	4.631-52.389			<u>857073</u>	164.837	320(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Sample Calculations

Report Date : 08-Feb-2011 13:26

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 03-FEB-2011 10:47
End Cal Date : 03-FEB-2011 15:16
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc12.i\GC12EB03B1.b\flpb019A.m
Cal Date : 04-Feb-2011 13:30 acronin

Calibration File Names:

Level 1: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2012.d
Level 2: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2009.d
Level 3: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2008.d
Level 4: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2011.d
Level 5: \\target_server\GG\chem\gc12.i\GC12EB03B1.b\CEB2010.d

Compound	5.0000	20.0000	50.0000	100.0000	200.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5		b	m1	m2	
M 1 FL-PRO peaks C8-C40	455983	1732761	4349405	8969316	17607768	LINR	-0.18707	5194		0.99988
2 C-8	33594	112395	269381	536159	1050938	LINR	-1.17654	5241		0.99989
3 C-10	27556	105166	262240	532130	1048182	LINR	-0.22827	5248		0.99994
4 C-12	26092	102173	258336	529146	1039921	LINR	-0.00220	5215		0.99990
5 C-14	26509	102560	259666	531812	1044930	LINR	-0.01805	5240		0.99990
6 C-16	26818	102970	260570	534356	1049492	LINR	-0.02168	5263		0.99989
S 7 Petroleum Range Organics	455983	1732761	4349405	8969316	17607768	LINR	-0.18707	5194		0.99988
8 C-18	26707	102500	259051	531915	1044441	LINR	-0.01606	5238		0.99989
10 C-20	26816	102252	258209	530101	1040596	LINR	-0.04034	5218		0.99989
11 C-22	27259	103209	261063	536245	1057262	LINR	0.07542	5300		0.99992
12 C-24	29088	101604	258479	534117	1043740	LINR	-0.13098	5234		0.99981
13 C-26	26308	102315	240837	529905	1034604	LINR	0.51800	5200		0.99943
14 C-28	26775	101150	255869	527124	1033238	LINR	-0.02219	5183		0.99987
16 C-30	26446	101722	258980	534289	1045862	LINR	0.03616	5249		0.99984
17 C-32	26289	100736	253956	521738	1024203	LINR	-0.03200	5136		0.99989



Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO: G. WALKER **DATE:** February 23, 2011
FROM: MEGAN CARSON **COPIES:** DV FILE
SUBJECT: INORGANIC DATA VALIDATION – ARSENIC, CADMIUM, CHROMIUM, AND LEAD
CTO JM30, SAUFLEY FIELD
SAMPLE DELIVERY GROUP (SDG) – SF-1
SAMPLES: 5/Water/
FD01251101 RB01261101 SF-2-MW01-80-1/2011
SF-2-MW03-65-1/2011 SF-2-MW04-65-1/2011

Overview

The sample set for Saufley Field, CTO JM30, SDG SF-1, consists of four (4) water environmental samples and one (1) equipment blank. This SDG contained one field duplicate pair: FD01251101/SF-2-MW04-65-1/2011

All samples were analyzed for arsenic, cadmium, chromium, and lead. The samples were collected by Tetra Tech NUS on January 24th, 25th and 26th, 2011 and analyzed by Katahdin Laboratory Services under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA/QC) criteria. Metals analyses were conducted using method 6010C.

These data were evaluated based on the following parameters:

- * • Data Completeness
- * • Holding Times
- * • Initial and Continuing Calibrations
- * • Laboratory Method / Preparation Blank Analyses
- * • Matrix Spike / Matrix Spike Duplicate Recoveries
- * • Laboratory Control Sample Recoveries
- * • ICP Serial Dilution Results
- * • Field Duplicate Results
- * • Detection Limits

* - All quality control criteria were met for this parameter.

METALS:

All sample results were within quality control limits.

Notes:

Positive results less the reporting limit but greater than the method detection limit were qualified as estimated (J).

TO: G. Walker
DATE: 2/24/2011
Page 2 of 2

Executive Summary

Laboratory Performance: None.

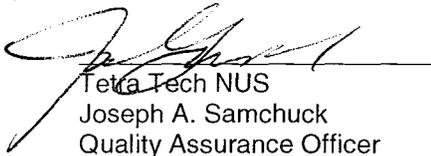
Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to "National Functional Guidelines for Inorganic Review", October 2004 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.



Tetra Tech NUS
Megan Carson
Chemist/Data Validator



Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = GFAA PDS - GFAA MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (e.g. base-line drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< CRQL$ for organics)
Other problems (can be any number of issues; e.g. poor chromatography, interferences, etc.)
- Q = etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
% Difference between columns/detectors $> 25\%$ for positive results determined via
- U = GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 02760 SDG: SF-1 FRACTION: M MEDIA: WATER	NSAMPLE	FD01251101			RB01261101			SF-2-MW01-80-1/2011			SF-2-MW03-65-1/2011		
	LAB_ID	SE0387-003			SE0387-004			SE0387-001			SE0387-005		
	SAMP_DATE	1/25/2011			1/26/2011			1/24/2011			1/26/2011		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	SF-2-MW04-65-1/2011											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ARSENIC	1.43	U		1.43	U		1.43	U		1.43	U		
CADMIUM	0.07	J	P	0.05	U		0.06	J	P	0.05	J	P	
CHROMIUM	1.7	J	P	0.5	J	P	2.7	J	P	4.1	J	P	
LEAD	1.07	U		1.07	U		1.07	U		1.07	U		

PROJ_NO: 02760 SDG: SF-1 FRACTION: M MEDIA: WATER	NSAMPLE	SF-2-MW04-65-1/2011		
	LAB_ID	SE0387-002		
	SAMP_DATE	1/25/2011		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
ARSENIC	1.43	U		
CADMIUM	0.05	U		
CHROMIUM	1.7	J	P	
LEAD	1.07	U		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FD01251101

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7440-38-2	ARSENIC, TOTAL	1.43	U		P	1	8.0	1.43	5.0
7440-43-9	CADMIUM, TOTAL	0.07	I	J	P	1	10	0.05	3.0
7440-47-3	CHROMIUM, TOTAL	1.7	I		P	1	15	0.36	4.0
7439-92-1	LEAD, TOTAL	1.07	U		P	1	5.0	1.07	4.0

Bottle ID: D

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: RB01261101

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7440-38-2	ARSENIC, TOTAL	1.43	U		P	1	8.0	1.43	5.0
7440-43-9	CADMIUM, TOTAL	0.05	U	J	P	1	10	0.05	3.0
7440-47-3	CHROMIUM, TOTAL	0.50	I		P	1	15	0.36	4.0
7439-92-1	LEAD, TOTAL	1.07	U		P	1	5.0	1.07	4.0

Bottle ID: D

Comments:

FORM I - IN

Katahdin Analytical Services 400008

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SF-2-MW01-80-1/2011

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7440-38-2	ARSENIC, TOTAL	1.43	U		P	1	8.0	1.43	5.0
7440-43-9	CADMIUM, TOTAL	0.06	I	J	P	1	10	0.05	3.0
7440-47-3	CHROMIUM, TOTAL	2.7	I		P	1	15	0.36	4.0
7439-92-1	LEAD, TOTAL	1.07	U		P	1	5.0	1.07	4.0

Bottle ID: D

Comments:

FORM I - IN

Katahdin Analytical Services 4000005

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SF-2-MW03-65-1/2011

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7440-38-2	ARSENIC, TOTAL	1.43	U		P	1	8.0	1.43	5.0
7440-43-9	CADMIUM, TOTAL	0.05	I	J	P	1	10	0.05	3.0
7440-47-3	CHROMIUM, TOTAL	4.1	I		P	1	15	0.36	4.0
7439-92-1	LEAD, TOTAL	1.07	U		P	1	5.0	1.07	4.0

Bottle ID: G

Comments:

FORM I - IN

Katahdin Analytical Services 4000009

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SF-2-MW04-65-1/2011

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7440-38-2	ARSENIC, TOTAL	1.43	U		P	1	8.0	1.43	5.0
7440-43-9	CADMIUM, TOTAL	0.05	U	J	P	1	10	0.05	3.0
7440-47-3	CHROMIUM, TOTAL	1.7	I		P	1	15	0.36	4.0
7439-92-1	LEAD, TOTAL	1.07	U		P	1	5.0	1.07	4.0

Bottle ID: D

Comments:

FORM I - IN

Katahdin Analytical Services 4000006

APPENDIX C

SUPPORT DOCUMENTATION



PROJECT NO: 112602760 Fl. w12	SITE NAME: Sawflky Field Site 2	PROJECT MANAGER AND PHONE NUMBER Frank Lesesne 850-385-9866	LABORATORY NAME AND CONTACT: Katahdin Kelly Perkins 207-874-2400
SAMPLERS (SIGNATURE) 		FIELD OPERATIONS LEADER AND PHONE NUMBER Amber Iape 850-322-8033	ADDRESS 600 Technology Way
		CARRIER/WAYBILL NUMBER 8684 5044 5519 4 coolers	CITY, STATE Scarborough, ME 04074

STANDARD TAT <input checked="" type="checkbox"/>	CONTAINER TYPE PLASTIC (P) or GLASS (G)
RUSH TAT <input type="checkbox"/>	PRESERVATIVE USED
<input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day	

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS					COMMENTS	
						VOA	PAHs, SVoAs, LLsvoA	Pest/ PCB	FL-Pro	Arsenic, Cadmium, Chromium, Lead only HMO3		
1/24/11	1705	SF-2-mw01-80-1/2011	GW	G	10	3	2	2	2	1		
1/25/11	0850	SF-2-mw04-65-1/2011	GW	G	10	3	2	2	2	1		
1/25/11	0000	FD01251101	GW	G	10	3	2	2	2	1		
1/26/11	0004	RB01261101	QC	G	10	3	2	2	2	1		
1/26/11	1635	SF-2-mw03-65-1/2011	GW	G	19	6	4	4	4	1		
		TB 01261101	QC	G		3						

1. RELINQUISHED BY	DATE 1/26/11	TIME 1136	1. RECEIVED BY	DATE 1-27-11	TIME 09:10
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME



SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
OLF SAUFLEY FIELD, FL – CTO JM30 SITE 2
SDG: SF-1
SE0387
PROJECT MANAGER: FRANK LESESNE

Sample Receipt

The following samples were received on January 27, 2011 and were logged in under Katahdin Analytical Services work order number SE0387 for a hardcopy due date of February 15, 2011.

<u>Sample No.</u>	<u>Sample Identification</u>
KATAHDIN SE0387-1	TTNUS SF-2-MW01-80-1/2011
SE0387-2	SF-2-MW04-65-1/2011
SE0387-3	FD01251101
SE0387-4	RB01261101
SE0387-5	SF-2-MW03-65-1/2011
SE0387-6	TB01261101

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

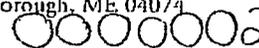
Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Kelly Perkins**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG SF-1 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis.

The sample with the client ID SF-2-MW03-65-1/2011 (laboratory ID SE0387-5) exceeds the 19-character limit of the Katahdin Analytical Services' organics forms processing system when appended with the MS and MSD designation. Therefore, the first three characters ("SF-") in the client ID for this sample were omitted on all forms for the sample, MS, and MSD analyses.





Sample SE0387-5 was used for the matrix spike (MS) and matrix spike duplicate (MSD), as requested by the client.

8270C SCAN Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The initial calibration analyzed on the U instrument on 01/07/11 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analyte atrazine failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This compound was calibrated using the average model. The corresponding independent check standard (file U4248) had low concentrations for the target analytes benzaldehyde and atrazine, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The analyte benzaldehyde is an EPA CLP compound that is very sensitive to the condition of the injection port of the GC/MS instrument. Consequently, the response of this analyte may fluctuate from one analysis to another which may result in high %RSD's for initial calibrations, high %D's for CV's, and low or high recoveries for LCS's.

The CV's (files U4460 and U4487) had low responses for the target analyte benzaldehyde, which resulted in %D's that were greater than the acceptance limit of 20% from DoD QSM Version 4.1.

8270C SIM Analysis

The LCS and LCSD WG87585-2 and WG87585-3 had three and four spiked target analytes, respectively, with recoveries that were high and outside of the laboratory established acceptance limits. The DoD QSM allowable number of exceedances for 18 target analytes is one analyte. Since a high recovery would indicate a high bias and these target analytes were not detected above the MDL in the associated samples, the samples were not reextracted.

The independent check standard (file G0166) associated with the initial calibration on 01/31/11 had low concentrations for the target analytes pyrene and benzo(k)fluoranthene and a high concentration for the target analyte 2-methylnaphthalene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The initial calibration analyzed on the G instrument on 02/03/11 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model



Metals Analysis

The samples of Katahdin SDG SF-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Numbers SE0387-(1-5) were digested for ICP analysis on 02/01/11 (QC Batch BB01ICW0) in accordance with USEPA Method 3010A. Katahdin Sample Number SE0387-005 was digested in duplicate and with a matrix-spiked aliquot.

ICP analyses of Katahdin SDG SF-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recoveries of all analytes in the matrix-spiked aliquots of Katahdin Sample Number SE0387-5 are within the project acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added).

The duplicate analysis of Katahdin Sample Number SE0387-5 is outside the laboratory's acceptance limit (<20% relative difference between duplicate aliquots) for cadmium.

The serial dilution analysis of Katahdin Sample Number SE0387-5 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the LOQ) for all analytes.

Reporting of Metals Results

Analytical results for client samples, matrix QC samples (duplicates and matrix spikes), and batch QC samples (preparation blanks and laboratory control samples) have been reported down to the laboratory's method detection limits (MDLs). These MDLs have been adjusted for each sample based on the sample amounts used in preparation and analysis. Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, MDLs, and PQLs are listed on Form 10 of the accompanying data package.



I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
021511

Leslie Dimond
Quality Assurance Officer



SE0387-005

SF 2 MW03-65-1/2011

Method Name: K6010-2010
 Analyst Name: DWM
 Acquire Date: 03/02/2011 19:58:42

Method Revision: 699

Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.1759	ug/L	0.1046	59.4827	-6.44
Al3961_R	49.27	ug/L	4.1704	8.4636	39.27
As1891_A	.6200	ug/L	0.1571	25.3319	-0.51
Au2427_A	-.8270	ug/L	0.0201	2.4301	-3.77
B_2089_A	10.10	ug/L	0.2526	2.5023	9.45
Ba4554_R	14.56	ug/L	0.0680	0.4671	1,125.10
Be3130_R	.0194	ug/L	0.0101	51.6821	-11.02
Ca3158_R	1589.	ug/L	19.1431	1.2049	1,289.21
Cd2265_A	.0544	ug/L	0.0560	102.9426	-1.78
Co2286_A	.1771	ug/L	0.0314	17.7533	1.52
Cr2677_A	4.088	ug/L	0.0003	0.0068	47.62
Cu3273_A	1.567	ug/L	0.0907	5.7846	81.83
Fe2599_R	138.4	ug/L	0.3693	0.2669	122.78
K_7664_R	1426.	ug/L	10.5822	0.7421	1,200.44
Li6707_R	.3043	ug/L	0.2790	91.6861	-6.45
Mg2025_A	823.5	ug/L	2.3699	0.2878	145.14
Mn2576_R	14.25	ug/L	0.0675	0.4735	56.57
Mo2020_A	.6327	ug/L	0.2006	31.7036	0.98
Na5895_R	1612.	ug/L	9.6301	0.5976	4,452.98
Ni2316_A	2.868	ug/L	0.5106	17.8020	2.97
Pb2203_A	.3142	ug/L	0.2623	83.5038	-0.33
Sb2068_A	-.6282	ug/L	1.6277	259.1246	-0.46
Se1960_A	.4204	ug/L	0.8328	198.0755	0.29
Si2516_R	2573.	ug/L	17.5184	0.6809	437.20
Sn1899_A	-.7146	ug/L	0.6064	84.8590	0.28
Sr4215_R	8.832	ug/L	0.0417	0.4726	727.31
Ti3349_A	.8754	ug/L	0.2830	32.3333	18.90
Tl1908_A	-.2107	ug/L	0.2520	119.5730	-0.77
V_2924_A	.2111	ug/L	0.2339	110.7956	0.66
Zn2062_A	14.06	ug/L	0.1391	0.9889	21.80
Y_3600_R	22683.	Cts/S	151.3962	0.6675	22,682.66
Y_2243_A	4788.2	Cts/S	4.4254	0.0924	4,788.21
Y_3600_A	276780.	Cts/S	867.0675	0.3133	276,783.75

reported ←
 as 4.1ug/L

SE0387-005L

Method Name: K6010-2010
 Analyst Name: DWM
 Acquire Date: 03/02/2011 20:03:19

Method Revision: 699

Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.3485	ug/L	0.2518	72.2504	-7.80
Al3961_R	77.67	ug/L	18.2654	23.5176	7.81
As1891_A	5.552	ug/L	7.5676	136.3033	-0.39
Au2427_A	-.7131	ug/L	2.7922	391.5438	-2.15
B_2089_A	9.974	ug/L	0.4206	4.2172	2.80
Ba4554_R	14.60	ug/L	0.1237	0.8475	243.82
Be3130_R	-.1034	ug/L	0.0275	26.5976	-14.05
Ca3158_R	1599.	ug/L	3.0347	0.1897	237.49
Cd2265_A	.3513	ug/L	0.2423	68.9878	-1.74
Co2286_A	-.7648	ug/L	0.3254	42.5474	0.76
Cr2677_A	3.884	ug/L	0.1603	4.1269	11.91
Cu3273_A	4.333	ug/L	0.2483	5.7314	69.95
Fe2599_R	132.7	ug/L	3.3146	2.4969	25.75
K_7664_R	1367.	ug/L	0.9494	0.0695	239.20
Li6707_R	.0402	ug/L	4.6689	11,602.3053	-11.64
Mg2025_A	834.8	ug/L	10.5717	1.2663	29.87
Mn2576_R	19.20	ug/L	0.6559	3.4158	14.59
Mo2020_A	.8880	ug/L	0.9104	102.5224	0.23

SAUFLEY FIELD
WATER DATA
SF-1

FRACTION	CHEMICAL	FD01251101	UNITS	SF-2-MW04-65-1/2011	RPD	D
M	CADMIUM	0.07 J	UG/L	ND	200.00	ok 0.07
M	CHROMIUM	1.7 J	UG/L	1.7 J	0.00	0.00

Current RPD Quality Control Limit: 30 %.

Shaded cells indicate RPDs that exceed the applicable quality control limit.

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Clrat</u>
Project: <u>Santley Field</u>	KIMS Entry By: <u>GN</u>	Delivered By: <u>Fed-Ex</u>
KAS Work Order#: <u>SF0387</u>	KIMS Review By:	Received By: <u>GN</u>
SDG #:	Cooler: <u>1</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11 / 09:10</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <u>1.9</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?	✓				
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?	✓				
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH - pH <2 Sulfide - >9 Cyanide - pH >12	✓				

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Client</u>
Project: <u>Saufley Field</u>	KIMS Entry By: <u>GM</u>	Delivered By: <u>Fed-Ex</u>
KAS Work Order#: <u>SE0387</u>	KIMS Review By:	Received By: <u>GM</u>
SDG #:	Cooler: <u>2</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11/09:10</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				<u>in cooler</u>
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <u>2.2</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container? Received in methanol? Methanol covering soil?				✓ ✓ ✓ ✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	✓			✓ ✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: <i>Tetra Tech</i>	KAS PM: <i>KAP</i>	Sampled By: <i>Client</i>
Project: <i>Sausley Field</i>	KIMS Entry By: <i>GN</i>	Delivered By: <i>Fed-Ex</i>
KAS Work Order#: <i>SE0387</i>	KIMS Review By:	Received By: <i>GN</i>
SDG #:	Cooler: <i>3</i> of <i>4</i>	Date/Time Rec.: <i>1-27-11/09:10</i>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	<input checked="" type="checkbox"/>				
2. Chain of Custody present in cooler?	<input checked="" type="checkbox"/>				<i>in cooler 1</i>
3. Chain of Custody signed by client?	<input checked="" type="checkbox"/>				
4. Chain of Custody matches samples?	<input checked="" type="checkbox"/>				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	<input checked="" type="checkbox"/>				Temp (°C): <i>1.8</i>
Samples received at <6 °C w/o freezing?	<input checked="" type="checkbox"/>				Note: Not required for metals analysis.
Ice packs or ice present?	<input checked="" type="checkbox"/>				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				<input checked="" type="checkbox"/>	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?				<input checked="" type="checkbox"/>	
Received in methanol?				<input checked="" type="checkbox"/>	
Methanol covering soil?				<input checked="" type="checkbox"/>	
7. Trip Blank present in cooler?				<input checked="" type="checkbox"/>	
8. Proper sample containers and volume?	<input checked="" type="checkbox"/>				
9. Samples within hold time upon receipt?	<input checked="" type="checkbox"/>				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Client</u>
Project: <u>Sausley Field</u>	KIMS Entry By: <u>GN</u>	Delivered By: <u>FedEx</u>
KAS Work Order#: <u>SE0387</u>	KIMS Review By:	Received By: <u>GN</u>
SDG #:	Cooler: <u>4</u> of <u>4</u>	Date/Time Rec.: <u>1-27-11 / 09:10</u> <u>GN</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	/				
2. Chain of Custody present in cooler?	/				in cooler
3. Chain of Custody signed by client?	/				
4. Chain of Custody matches samples?	/				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	/				Temp (°C): 1.1
Samples received at <6 °C w/o freezing?	/				Note: Not required for metals analysis.
Ice packs or ice present?	/				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				/	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?				/	
Received in methanol?				/	
Methanol covering soil?				/	
7. Trip Blank present in cooler?				/	
8. Proper sample containers and volume?	/				
9. Samples within hold time upon receipt?	/				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	/			/	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

HOLD TIME

SDG SF-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	RB01261101	SE0387-004	NM	01/26/2011	02/01/2011	02/03/2011	6	2	8
M	UG/L	SF-2-MW01-80-1/2011	SE0387-001	NM	01/24/2011	02/01/2011	02/03/2011	8	2	10
M	UG/L	SF-2-MW03-65-1/2011	SE0387-005	NM	01/26/2011	02/01/2011	02/03/2011	6	2	8
M	UG/L	SF-2-MW04-65-1/2011	SE0387-002	NM	01/25/2011	02/01/2011	02/03/2011	7	2	9
M	UG/L	FD01251101	SE0387-003	NM	01/25/2011	02/01/2011	02/03/2011	7	2	9
OS	%	SF-2-MW04-65-1/2011	SE0387-2	NM	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	SF-2-MW04-65-1/2011	SE0387-2	SUR	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	SF-2-MW03-65-1/2011	SE0387-5	SUR	01/26/2011	01/28/2011	01/31/2011	2	3	5
OS	%	SF-2-MW03-65-1/2011	SE0387-5	NM	01/26/2011	01/28/2011	01/31/2011	2	3	5
OS	%	SF-2-MW01-80-1/2011	SE0387-1	SUR	01/24/2011	01/28/2011	01/28/2011	4	0	4
OS	%	FD01251101	SE0387-3	NM	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	FD01251101	SE0387-3	SUR	01/25/2011	01/28/2011	01/28/2011	3	0	3
OS	%	RB01261101	SE0387-4	NM	01/26/2011	01/28/2011	01/28/2011	2	0	2
OS	%	RB01261101	SE0387-4	SUR	01/26/2011	01/28/2011	01/28/2011	2	0	2
OS	%	SF-2-MW01-80-1/2011	SE0387-1	NM	01/24/2011	01/28/2011	01/28/2011	4	0	4

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: ICV

SAMPLE: CCV

X

File:	IBB03A	Feb 03, 2011	16:35	File:	IBB03A	Feb 03, 2011	16:58
Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10130.00	101.3	ALUMINUM	12500.0	12680.00	101.4
ARSENIC	400.0	394.50	98.6	ARSENIC	500.0	499.20	99.8
CADMIUM	400.0	393.80	98.5	CADMIUM	500.0	495.50	99.1
CALCIUM	10000.0	10050.00	100.5	CALCIUM	12500.0	12460.00	99.7
CHROMIUM	400.0	404.90	101.2	CHROMIUM	500.0	505.60	101.1
IRON	10000.0	10280.00	102.8	IRON	12500.0	12720.00	101.8
LEAD	400.0	401.80	100.4	LEAD	500.0	508.50	101.7
MAGNESIUM	10000.0	9817.00	98.2	MAGNESIUM	12500.0	12640.00	101.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000011

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: CCV

X

SAMPLE: CCV

File: IBB03A

Feb 03, 2011

17:55

File: IBB03A

Feb 03, 2011

18:50

Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12820.00	102.6	ALUMINUM	12500.0	12770.00	102.2
ARSENIC	500.0	506.40	101.3	ARSENIC	500.0	502.90	100.6
CADMIUM	500.0	505.70	101.1	CADMIUM	500.0	508.30	101.7
CALCIUM	12500.0	12770.00	102.2	CALCIUM	12500.0	12850.00	102.8
CHROMIUM	500.0	510.90	102.2	CHROMIUM	500.0	512.40	102.5
IRON	12500.0	12930.00	103.4	IRON	12500.0	12920.00	103.4
LEAD	500.0	515.90	103.2	LEAD	500.0	516.20	103.2
MAGNESIUM	12500.0	12750.00	102.0	MAGNESIUM	12500.0	12650.00	101.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000012

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: CCV

File: IBB03A

Feb 03, 2011

19:45

SAMPLE: CCV

File: IBB03A

Feb 03, 2011

20:39

Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12790.00	102.3	ALUMINUM	12500.0	12830.00	102.6
ARSENIC	500.0	499.00	99.8	ARSENIC	500.0	493.80	98.8
CADMIUM	500.0	502.40	100.5	CADMIUM	500.0	497.60	99.5
CALCIUM	12500.0	12840.00	102.7	CALCIUM	12500.0	12820.00	102.6
CHROMIUM	500.0	514.80	103.0	CHROMIUM	500.0	509.50	101.9
IRON	12500.0	12920.00	103.4	IRON	12500.0	13090.00	104.7
LEAD	500.0	509.80	102.0	LEAD	500.0	512.00	102.4
MAGNESIUM	12500.0	12360.00	98.9	MAGNESIUM	12500.0	12480.00	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part I) - IN

2C
PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: PQL

File: IBB03A Feb 03, 2011 16:44

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	305.90	102.0
ARSENIC	8.0	9.03	112.9
CADMIUM	5.0	5.14	102.8
CALCIUM	100.0	100.70	100.7
CHROMIUM	10.0	10.09	101.0
IRON	100.0	103.40	103.4
LEAD	5.0	5.81	116.2
MAGNESIUM	100.0	103.60	103.6

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: ICB**SAMPLE: CCB****SAMPLE: CCB**

File: IBB03A Feb 03, 2011 16:39

File: IBB03A Feb 03, 2011 17:02

File: IBB03A Feb 03, 2011 17:59

Analyte	Result	C
ALUMINUM	18.040	U
ARSENIC	1.820	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U

Analyte	Result	C
ALUMINUM	18.040	U
ARSENIC	1.820	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U

Analyte	Result	C
ALUMINUM	18.040	U
ARSENIC	1.820	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: CCB

File: IBB03A Feb 03, 2011 18:54

Analyte	Result	C
ALUMINUM	18.040	U
ARSENIC	1.820	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U

SAMPLE: CCB

File: IBB03A Feb 03, 2011 19:49

Analyte	Result	C
ALUMINUM	18.040	U
ARSENIC	1.820	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U

SAMPLE: CCB

File: IBB03A Feb 03, 2011 20:44

Analyte	Result	C
ALUMINUM	18.040	U
ARSENIC	1.820	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: SF-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IBB03A Feb 03, 2011 16:48

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511100	102.2
ARSENIC	0	-2	
CADMIUM	0	0	
CALCIUM	500000	465300	93.1
CHROMIUM	3	5	
IRON	200000	185500	92.8
LEAD	0	4	
MAGNESIUM	500000	422200	84.4

SAMPLE: ICSAB

File: IBB03A Feb 03, 2011 16:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	521500	104.3
ARSENIC	100	100	100.0
CADMIUM	1000	900	90.0
CALCIUM	500000	470500	94.1
CHROMIUM	500	481	96.2
IRON	200000	188000	94.0
LEAD	50	48	96.0
MAGNESIUM	500000	423500	84.7

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: SF-2-MW03-65-1/2011S

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-005A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike	%R	Q	Control Limits (%R)		M
	Sample	Result	Result	C				Added	Low	
ARSENIC, TOTAL	491.8000		0.6200	U	500	98.4		75	125	P
CADMIUM, TOTAL	499.1000		0.0544	I	500	99.8		75	125	P
CHROMIUM, TOTAL	518.3000		4.0880	I	500	102.8		75	125	P
LEAD, TOTAL	514.6000		0.3142	U	500	102.9		75	125	P

Comments:

6
DUPLICATES

Lab Name: Katahdin Analytical Services

Client Field ID: SF-2-MW03-65-1/2011D

Matrix: WATER

SDG Name: SF-1

Percent Solids: 0.00

Lab Sample ID: SE0387-005D

Concentration Units : ug/L

Analyte	Control Limits	Sample Result	C	Duplicate Result	C	RPD	Q	M
ARSENIC, TOTAL		0.6200	U	0.1004	U			P
CADMIUM, TOTAL		0.0544	I	0.0727	I	28.8	X OK J	P
CHROMIUM, TOTAL		4.0880	I	3.7190	I	9.5		P
LEAD, TOTAL		0.3142	U	0.4350	U			P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services

Sample ID: LCSWBB01ICW0

Matrix: WATER

SDG Name: SF-1

QC Batch ID: BB01ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	100.0	101.90	101.9	80	120
CADMIUM	250.0	258.10	103.2	80	120
CHROMIUM	200.0	209.90	105.0	80	120
LEAD	100.0	105.70	105.7	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: SF-2-MW03-65-1/2011L

Matrix: WATER

SDG Name: SF-1

Lab Sample ID: SE0387-005L

Analyte	Concentration Units: ug/L						Q	M
	Sample Result	C	Dilution	Result	C	% Difference		
ARSENIC, TOTAL	0.62	U		5.55	U			P
CADMIUM, TOTAL	0.05	I		0.35	I	600.0		P
CHROMIUM, TOTAL	4.09	I		3.88	I	5.1		P
LEAD, TOTAL	0.31	U		3.63	U			P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code:** I**Instrument Name:** THERMO ICAP 6500**Date:** 9/14/2010

Analyte	Concentration Units: ug/L		
	CRDL	IDL	M
ALUMINUM	300	18.04	P
ARSENIC	8.0	1.82	P
CADMIUM	10	0.13	P
CALCIUM	100	11.30	P
CHROMIUM	15	0.41	P
IRON	100	4.65	P
LEAD	5.0	1.18	P
MAGNESIUM	100	6.76	P

10
LIMITS of DETECTION

Lab Name: Katahdin Analytical Services
Instrument Name: THERMO ICAP 6500

Instrument Code: I
Date: 3/31/2010

Analyte	LOD	Units	M	EPA Prep./Anal. Method
ARSENIC	5.0	ug/L	P	SW846 3050B / 6010/200.7
CADMIUM	3.0	ug/L	P	SW846 3050B / 6010/200.7
CHROMIUM	4.0	ug/L	P	SW846 3050B / 6010/200.7
LEAD	4.0	ug/L	P	SW846 3050B / 6010/200.7

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code:** I**Instrument Name:** THERMO ICAP 6500**Date:** 1/20/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ARSENIC	1.43	ug/L	P	SW846 3010A / SW846 6010B
CADMIUM	0.05	ug/L	P	SW846 3010A / SW846 6010B
CHROMIUM	0.36	ug/L	P	SW846 3010A / SW846 6010B
LEAD	1.07	ug/L	P	SW846 3010A / SW846 6010B

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Instrument Name: THERMO ICAP 6500

Instrument ID: I

Date: 9/1/2010

Analyte	Wavelength (nm)	Interelement Correction Factors for:												
		Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0002630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0296000	0.0	0.0	0.0
ANTIMONY	206.88	-0.0000123	0.0	0.0000429	0.0	-0.0001490	0.0072100	0.0	0.0	0.0	-0.0018200	-0.0003890	0.0	-0.0019100
ARSENIC	189.04	-0.0000126	0.0	-0.0002690	0.0	0.0	0.0002520	0.0	0.0	0.0	0.0004800	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0004960	0.0000362
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0044500	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000744	0.0	0.0	0.0	-0.0000220	0.0	0.0	0.0	-0.0000800	0.0000084	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	-0.0002580	0.0010500	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	-0.0000086	0.0	0.0	0.0	0.0	0.0	0.0001110	-0.0000210	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000131	0.0	0.0	-0.0000926	0.0	0.0	0.0	0.0000180	0.0002140	0.0022200	0.0
COPPER	327.40	0.0	0.0	0.0000372	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0002980
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0005620	0.0	0.0	0.0
LEAD	220.35	-0.0001130	0.0	0.0000223	0.0	0.0000560	0.0	0.0000943	0.0003720	0.0	-0.0013200	-0.0001000	-0.0002260	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.50	0.0	0.0	0.0000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANGANESE	257.61	-0.0000090	0.0	-0.0000200	0.0000244	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	-0.0001990	0.0	0.0	0.0	-0.0001440
NICKEL	231.60	0.0	0.0	-0.0000243	0.0	0.0	0.0	0.0004080	0.0	0.0	0.0009630	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	-0.0000054	0.0	-0.0001580	0.0	-0.0000872	0.0	-0.0004270	0.0	0.0009180	0.0	0.0	0.0	0.0000290
SILICON	251.61	0.0	0.0	-0.0001410	0.0	0.0	0.0	0.0	0.0	0.0	0.0092000	0.0	-0.0008610	0.0
SILVER	328.07	0.0	0.0	-0.0002340	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001960	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000090	0.0	-0.0000047	0.0	0.0	0.0	0.0048300	0.0001070	-0.0018500	-0.0001640	0.0	-0.0011600	-0.0036200
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0	0.0	0.0003760	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000079	0.0	0.0	-0.0027700	0.0	0.0	0.0	-0.0072600	0.0	0.0009220	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0005230	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

Katahdin Analytical Services 400027

12
ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services

Instrument Code: I

Instrument Name: THERMO ICAP 6500

Date: 9/24/2010

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
ARSENIC	45.00	20000	P
CADMIUM	45.00	20000	P
CALCIUM	5.00	1000000	P
CHROMIUM	10.00	20000	P
IRON	5.00	500000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	1000000	P

13
PREPARATION LOG

Lab Name: Katahdin Analytical Services

QC Batch ID: BB01ICW0

Matrix: WATER

SDG Name: SF-1

Method: P

Prep Date: 02/01/2011

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWBB01ICW0	LCSWBB01ICW0	0.05	0.05
PBWBB01ICW0	PBWBB01ICW0	0.05	0.05
SF-2-MW01-80-1/2011	SE0387-001	0.05	0.05
SF-2-MW04-65-1/2011	SE0387-002	0.05	0.05
FD01251101	SE0387-003	0.05	0.05
RB01261101	SE0387-004	0.05	0.05
SF-2-MW03-65-1/2011	SE0387-005	0.05	0.05
SF-2-MW03-65-1/2011D	SE0387-005D	0.05	0.05
SF-2-MW03-65-1/2011S	SE0387-005S	0.05	0.05

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWBB01ICW0

Matrix: WATER

SDG Name: SF-1

QC Batch ID: BB01ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.430	U
CADMIUM	0.050	U
CHROMIUM	0.360	U
LEAD	1.070	U

5A
SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services
 Matrix: WATER
 Percent Solids: 0.00

Client Field ID: SF-2-MW03-65-1/2011S
 SDG Name: SF-1
 Lab Sample ID: SE0387-005S

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike Added	%R	Q	Control Limits (%R)		M
	Sample Result	C	Result	C				Low	High	
ARSENIC, TOTAL	100.1000		0.6200	U	100	100.1		80	120	P
CADMIUM, TOTAL	252.7000		0.0544	I	250	101.1		80	120	P
CHROMIUM, TOTAL	213.3000		4.0880	I	200	104.6		80	120	P
LEAD, TOTAL	103.7000		0.3142	U	100	103.7		80	120	P

Comments:

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Instrument ID: THERMO ICAP 6500

File Name: IBB03A

Date: 2/3/2011

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements			
Blank		1	16:26	AL	AS	CD CA CR	FE PB MG
Std 1		1	16:31	AL	AS	CD CA CR	FE PB MG
ICV		1	16:35	AL	AS	CD CA CR	FE PB MG
ICB		1	16:39	AL	AS	CD CA CR	FE PB MG
PQL		1	16:44	AL	AS	CD CA CR	FE PB MG
ICSA		1	16:48	AL	AS	CD CA CR	FE PB MG
ICSAB		1	16:53	AL	AS	CD CA CR	FE PB MG
CCV		1	16:58	AL	AS	CD CA CR	FE PB MG
CCB		1	17:02	AL	AS	CD CA CR	FE PB MG
ZZZZZZ		1	17:07				
ZZZZZZ		3	17:14				
ZZZZZZ		3	17:18				
ZZZZZZ		3	17:23				
ZZZZZZ		3	17:28				
ZZZZZZ		3	17:32				
ZZZZZZ		1	17:37				
ZZZZZZ		1	17:41				
ZZZZZZ		1	17:46				
ZZZZZZ		1	17:50				
CCV		1	17:55	AL	AS	CD CA CR	FE PB MG
CCB		1	17:59	AL	AS	CD CA CR	FE PB MG
ZZZZZZ		1	18:04				
ZZZZZZ		1	18:09				
ZZZZZZ		1	18:13				
ZZZZZZ		1	18:18				
ZZZZZZ		1	18:22				
ZZZZZZ		1	18:27				
ZZZZZZ		1	18:31				
ZZZZZZ		1	18:36				
ZZZZZZ		1	18:41				
ZZZZZZ		1	18:45				
CCV		1	18:50	AL	AS	CD CA CR	FE PB MG
CCB		1	18:54	AL	AS	CD CA CR	FE PB MG
ZZZZZZ		1	18:59				
PBWBB01ICW0		1	19:03		AS	CD CR	PB
LCSWBB01ICW0		1	19:08		AS	CD CR	PB
ZZZZZZ		1	19:12				
ZZZZZZ		1	19:17				
ZZZZZZ		1	19:22				
ZZZZZZ		1	19:26				
SE0387-001	SF-2-MW01-80-1/2011	1	19:31		AS	CD CR	PB
SE0387-002	SF-2-MW04-65-1/2011	1	19:35		AS	CD CR	PB
SE0387-003	FD01251101	1	19:40		AS	CD CR	PB
CCV		1	19:45	AL	AS	CD CA CR	FE PB MG
CCB		1	19:49	AL	AS	CD CA CR	FE PB MG
SE0387-004	RB01261101	1	19:54		AS	CD CR	PB
SE0387-005	SF-2-MW03-65-1/2011	1	19:58		AS	CD CR	PB
SE0387-005L	SF-2-MW03-65-1/2011L	5	20:03		AS	CD CR	PB
SE0387-005D	SF-2-MW03-65-1/2011D	1	20:07		AS	CD CR	PB
SE0387-005S	SF-2-MW03-65-1/2011S	1	20:12		AS	CD CR	PB

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: SF-1

Instrument ID: THERMO ICAP 6500

File Name: IBB03A

Date: 2/3/2011

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements			
SE0387-005A	SF-2-MW03-65-1/2011A	1	20:17	AS	CD	CR	PB
ZZZZZZ		1	20:21				
ZZZZZZ		1	20:26				
ZZZZZZ		1	20:30				
ZZZZZZ		5	20:35				
CCV		1	20:39	AL AS	CD CA CR	FE PB MG	
CCB		1	20:44	AL AS	CD CA CR	FE PB MG	



Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO: G. WALKER DATE: FEBRUARY 21, 2011

FROM: TERRI L. SOLOMON COPIES: DV FILE

**SUBJECT: INORGANIC DATA VALIDATION –METALS, TOTAL SOLIDS
CTO JM30 SAUFLEY FIELD
SAMPLE DELIVERY GROUP (SDG) – CTOJM30-1**

SAMPLES: 9/Soils/

FD11171001	SF-2-SAA1-0-2-11/2010
SF-2-SBA1-2-4'-11/2010	SF-2-SBA1-27-33'-11/2010
SF-2-SBA1-46-47'-11/2010	SF-2-SBF1-10-12'-11/2010
SF-2-SBF1-50-55'-11/2010	SF-2-SBF1-55-58'-11/2010
SF-2-SBF1-61-63'-11/2010	

1/Aqueous/

RB11171001

Overview

The sample set for Saufley Field, CTO JM30, SDG CTOJM30-1 consists of nine (9) soil environmental samples and one (1) rinsate blank (RB11171001). One (1) field duplicate pair (SAA1-0-2-11/2010 / FD11171001) was included within this SDG.

All samples were analyzed for Target Analyte List (TAL) metals. The samples were collected on November 16 and 17, 2010 and analyzed by Katahdin Analytical Services under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA/QC) criteria. Metals analyses were conducted using SW-846 method 6010. Mercury analyses were conducted using SW-846 method 7470 / 7471A.

These data were evaluated based on the following parameters:

- * • Data Completeness
- * • Holding Times
- * • Initial and Continuing Calibrations
- Laboratory Method / Preparation Blank Analyses
- ICP Interference Results
- * • Laboratory Control Sample Recoveries
- Matrix Spike / Matrix Spike Duplicate Recoveries
- * • ICP Serial Dilution Results
- Field Duplicate Results
- * • Detection Limits
- * • Analyte Quantitation

* - All quality control criteria were met for this parameter.

Laboratory Method / Preparation Blank Results

The following contaminants were detected in the laboratory method/preparation blanks at the following maximum concentrations:

<u>Analyte</u>	<u>Maximum Concentration</u>	<u>Action Level</u>
Arsenic ⁽¹⁾	0.114 mg/kg	0.57 mg/kg
Barium ⁽¹⁾	0.032 mg/kg	0.16 mg/kg
Calcium ⁽¹⁾	6.344 mg/kg	31.72 mg/kg
Chromium ⁽¹⁾	0.043 mg/kg	0.215 mg/kg
Iron ⁽¹⁾	2.610 mg/kg	13.05 mg/kg
Magnesium ⁽¹⁾	2.262 mg/kg	11.31 mg/kg
Manganese	2.148 ug/L	1.074 mg/kg
Sodium ⁽¹⁾	26.960 mg/kg	134.8 mg/kg
Zinc ⁽¹⁾	0.075 mg/kg	0.375 mg/kg

⁽¹⁾ Maximum concentration present in a soil preparation blank.

An action level of 5X the maximum contaminant level has been used to evaluate sample data for blank contamination. Sample aliquot, percent solids and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. The positive results greater than the action level for arsenic, calcium, and sodium were qualified as nondetected, "U", as a result of blank contamination. The rinsate blank was not qualified for laboratory blank contamination.

ICP Interference

The interfering analytes aluminum and iron were present in sample SBF1-10-12"-11/2010 at concentrations comparable to the concentrations of aluminum and iron in the interference check sample (ICS) solution. Several analytes namely, arsenic, barium, cadmium, chromium, cobalt, lead, nickel, silver and zinc were present in the ICS solution at a concentration that exceeded the absolute value of the instrument detection limit (IDL). Interference effects exist for cadmium, cobalt and silver in the affected sample. The positive results reported for cadmium and cobalt was qualified as estimated, "J". The positive result reported for silver was qualified as estimated, "UJ".

Matrix Spike / Matrix Spike Duplicate Results

The matrix spike / matrix spike duplicate percent recoveries for antimony were < 80% quality control limit affecting the soil samples. The positive and nondetected results reported for antimony for all soil samples were qualified as estimated, "J" and "UJ", respectively.

The matrix spike percent recovery for potassium was > 120% quality control limit affecting the soil samples. The positive results reported for potassium for all soil samples were qualified as estimated, "J".

Field Duplicate Results

Field duplicate imprecision (RPD > 50%) was noted for sample pair SF-2-SAA1-0-2-11/2010 / FD11171001 for calcium. The positive results reported for calcium for all soil samples were qualified as estimated, "J".

Notes

The nondetected results were reported to the method detection limit (MDL).

MEMO TO: G. WALKER - PAGE 3
DATE: FEBRUARY 21, 2011

Positive results reported greater than the method detection limit but below the limit of quantitation were qualified as estimated, "J".

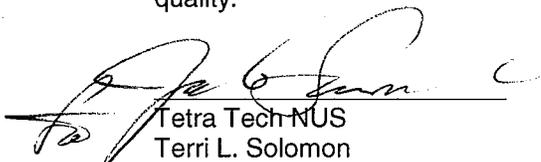
Executive Summary

Laboratory Performance: Several contaminants were present in the laboratory method / preparation blanks.

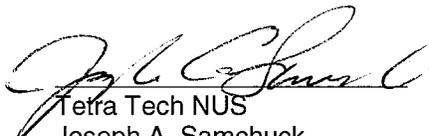
Other Factors Affecting Data Quality: The interfering analytes aluminum and iron were present in sample SBF1-10-12"-11/2010. The matrix spike / matrix spike duplicate percent recoveries for antimony were < 80% quality control limit affecting the soil samples. The matrix spike percent recovery for potassium was > 120% quality control limit affecting the soil samples. Field duplicate imprecision (RPD > 50%) was noted for sample pair SF-2-SAA1-0-2-11/2010 / FD11171001 for calcium.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation", October 2004, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.



Tetra Tech NUS
Terri L. Solomon
Environmental Scientist



Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = GFAA PDS-GFAA MSA's $r < 0.995$ / ICP PDS Recovery Noncompliance
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (e.g. base-line drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DOT and Endrin
- U = % Difference between columns/detectors $>25\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $<30\%$
- Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: M MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-007			SD7209-006			SD7209-008			SD7209-005		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALUMINUM	8200			8780			9350			4630			
ANTIMONY	0.09	UJ	D	0.05	UJ	D	0.1	UJ	D	0.1	UJ	D	
ARSENIC	1.6			1.5			1.7			0.81	U	A	
BARIUM	21.2			19.9			9.6			4.5			
BERYLLIUM	0.09	J	P	0.1	J	P	0.1	J	P	0.04	J	P	
CADMIUM	0.19	J	P	0.16	J	P	0.008	J	P	0.008	J	P	
CALCIUM	16000	J	G	3960	J	G	528	J	G	57	J	G	
CHROMIUM	6.1			6.6			6.7			4.7			
COBALT	0.65	J	P	0.7	J	P	0.46	J	P	0.19	J	P	
COPPER	10.9			9.7			4.1			1.5	J	P	
IRON	3580			3950			4750			1170			
LEAD	19.2			17.4			4.7			3.6			
MAGNESIUM	282			225			193			38.4			
MANGANESE	98.4			96			26.6			5.7			
MERCURY	0.04			0.04			0.008	J	P	0.001	J	P	
NICKEL	2.6	J	P	2.8			2.5	J	P	1.2	J	P	
POTASSIUM	158	J	D	140	J	D	152	J	D	111	J	D	
SELENIUM	0.33	J	P	0.32	J	P	0.34	U		0.36	U		
SILVER	0.32	J	P	0.27	J	P	0.07	J	P	0.05	U		
SODIUM	170			39.8	U	A	15.8	U	A	16.5	U	A	
THALLIUM	0.14	U		0.08	U		0.14	U		0.15	U		
VANADIUM	9.1			10.1			12			3.5			
ZINC	51.4			44			11			2.1	J	P	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: M MEDIA: SOIL	NSAMPLE	SF-2-SBA1-46-47'-11/2010			SF-2-SBF1-10-12'-11/2010			SF-2-SBF1-50-55'-11/2010			SF-2-SBF1-55-58'-11/2010		
	LAB_ID	SD7209-009			SD7209-001			SD7209-002			SD7209-003		
	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALUMINUM	2780			16500			4280			1690			
ANTIMONY	0.1	UJ	D	0.14	J	DP	0.11	UJ	D	0.08	UJ	D	
ARSENIC	0.68	U	A	3.1			0.65	U	A	2.2			
BARIUM	5.3			4.8			7.5			3.3			
BERYLLIUM	0.04	J	P	0.08	J	P	0.05	J	P	0.03	J	P	
CADMIUM	0.01	J	P	0.04	J	KP	0.008	U		0.006	U		
CALCIUM	37.4	J	G	48.4	J	G	31.8	J	G	21.3	U	A	
CHROMIUM	3.5			10.5			2.8			12			
COBALT	0.1	J	P	0.22	J	KP	0.11	J	P	0.02	J	P	
COPPER	0.88	J	P	5.3			1	J	P	2.5			
IRON	758			8010			754			3670			
LEAD	3.5			3.6			4.5			1.6			
MAGNESIUM	62.6			107			103			37.8			
MANGANESE	5.5			22.6			2.4			4.6			
MERCURY	0.001	U		0.007	J	P	0.005	J	P	0.007	J	P	
NICKEL	0.61	J	P	2.1			0.67	J	P	0.24	J	P	
POTASSIUM	192	J	D	232	J	D	296	J	D	85.9	J	D	
SELENIUM	0.35	U		0.21	U		0.38	U		0.54	J	P	
SILVER	0.04	U		0.03	UJ	K	0.05	U		0.05	J	P	
SODIUM	14	U	A	23.2	U	A	17.1	U	A	11.7	U	A	
THALLIUM	0.15	U		0.09	U		0.16	U		0.12	U		
VANADIUM	2.8			20.8			4			11.6			
ZINC	0.94	J	P	5.7			1.1	J	P	1.1	J	P	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: M MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-004		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	MG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
ALUMINUM	5320			
ANTIMONY	0.09	UJ	D	
ARSENIC	1.6			
BARIUM	14			
BERYLLIUM	0.13	J	P	
CADMIUM	0.007	U		
CALCIUM	175	J	G	
CHROMIUM	6.6			
COBALT	0.13	J	P	
COPPER	2.4			
IRON	3870			
LEAD	7.8			
MAGNESIUM	188			
MANGANESE	23.7			
MERCURY	0.3			
NICKEL	0.65	J	P	
POTASSIUM	409	J	D	
SELENIUM	0.32	U		
SILVER	0.04	U		
SODIUM	22.5	J	P	
THALLIUM	0.13	U	A	
VANADIUM	12.3			
ZINC	2.1			

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: M MEDIA: WATER	NSAMPLE	RB11171001		
	LAB_ID	SD7209-010		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
ALUMINUM	15.2	U		
ANTIMONY	1.5	U		
ARSENIC	1.86	U		
BARIUM	0.44	U		
BERYLLIUM	0.04	U		
CADMIUM	0.04	U		
CALCIUM	11.5	J	P	
CHROMIUM	0.32	U		
COBALT	0.28	U		
COPPER	0.48	U		
IRON	6.27	U		
LEAD	0.73	U		
MAGNESIUM	9.5	J	P	
MANGANESE	0.59	J	P	
MERCURY	0.04	U		
NICKEL	0.29	U		
POTASSIUM	105	U		
SELENIUM	3.67	U		
SILVER	0.48	U		
SODIUM	34.4	U		
THALLIUM	0.67	U		
VANADIUM	0.39	U		
ZINC	6.1	J	P	

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: FD11171001

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 90.4

Lab Sample ID: SD7209-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	8200			P	1	25	1.28	8.2
7440-36-0	ANTIMONY, TOTAL	0.09	U		P	1	0.66	0.09	0.41
7440-38-2	ARSENIC, TOTAL	1.6			P	1	0.66	0.09	0.41
7440-39-3	BARIUM, TOTAL	21.2			P	1	0.41	0.02	0.25
7440-41-7	BERYLLIUM, TOTAL	0.09	I		P	1	0.41	0.007	0.041
7440-43-9	CADMIUM, TOTAL	0.19	I		P	1	0.82	0.007	0.25
7440-70-2	CALCIUM, TOTAL	16000			P	1	8.2	0.87	6.6
7440-47-3	CHROMIUM, TOTAL	6.1			P	1	1.2	0.03	0.33
7440-48-4	COBALT, TOTAL	0.65	I		P	1	2.5	0.02	0.33
7440-50-8	COPPER, TOTAL	10.9			P	1	2.1	0.06	0.82
7439-89-6	IRON, TOTAL	3580			P	1	8.2	0.27	6.6
7439-92-1	LEAD, TOTAL	19.2			P	1	0.41	0.08	0.33
7439-95-4	MAGNESIUM, TOTAL	282			P	1	8.2	0.30	6.6
7439-96-5	MANGANESE, TOTAL	98.4			P	1	0.41	0.05	0.33
7439-97-6	MERCURY, TOTAL	0.04			CV	1	0.032	0.001	0.016
7440-02-0	NICKEL, TOTAL	2.6	I		P	1	3.3	0.04	0.33
7440-09-7	POTASSIUM, TOTAL	158			P	1	82	8.50	41
7782-49-2	SELENIUM, TOTAL	0.33	I		P	1	0.82	0.32	0.58
7440-22-4	SILVER, TOTAL	0.32	I		P	1	1.2	0.04	0.33
7440-23-5	SODIUM, TOTAL	170			P	1	82	1.38	41
7440-28-0	THALLIUM, TOTAL	0.14	U		P	1	1.2	0.14	0.41
7440-62-2	VANADIUM, TOTAL	9.1			P	1	2.1	0.03	0.33
7440-66-6	ZINC, TOTAL	51.4			P	1	2.1	0.05	0.82

Bottle ID: F

Comments:

FORM I - IN

Katahdin Analytical Services 400011

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SAA1-0-2-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 76.9

Lab Sample ID: SD7209-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	8780			P	1	14	0.73	4.7
7440-36-0	ANTIMONY, TOTAL	0.05	U		P	1	0.38	0.05	0.24
7440-38-2	ARSENIC, TOTAL	1.5			P	1	0.38	0.05	0.24
7440-39-3	BARIUM, TOTAL	19.9			P	1	0.24	0.01	0.14
7440-41-7	BERYLLIUM, TOTAL	0.1	I		P	1	0.24	0.004	0.024
7440-43-9	CADMIUM, TOTAL	0.16	I		P	1	0.47	0.004	0.14
7440-70-2	CALCIUM, TOTAL	3960			P	1	4.7	0.50	3.8
7440-47-3	CHROMIUM, TOTAL	6.6			P	1	0.71	0.02	0.19
7440-48-4	COBALT, TOTAL	0.70	I		P	1	1.4	0.009	0.19
7440-50-8	COPPER, TOTAL	9.7			P	1	1.2	0.03	0.47
7439-89-6	IRON, TOTAL	3950			P	1	4.7	0.15	3.8
7439-92-1	LEAD, TOTAL	17.4			P	1	0.24	0.05	0.19
7439-95-4	MAGNESIUM, TOTAL	225			P	1	4.7	0.17	3.8
7439-96-5	MANGANESE, TOTAL	96.0			P	1	0.24	0.03	0.19
7439-97-6	MERCURY, TOTAL	0.04			CV	1	0.033	0.001	0.017
7440-02-0	NICKEL, TOTAL	2.8			P	1	1.9	0.03	0.19
7440-09-7	POTASSIUM, TOTAL	140			P	1	47	4.85	24
7782-49-2	SELENIUM, TOTAL	0.32	I		P	1	0.47	0.18	0.33
7440-22-4	SILVER, TOTAL	0.27	I		P	1	0.71	0.02	0.19
7440-23-5	SODIUM, TOTAL	39.8	I		P	1	47	0.79	24
7440-28-0	THALLIUM, TOTAL	0.08	U		P	1	0.71	0.08	0.24
7440-62-2	VANADIUM, TOTAL	10.1			P	1	1.2	0.02	0.19
7440-66-6	ZINC, TOTAL	44.0			P	1	1.2	0.03	0.47

Bottle ID: F

Comments:

FORM I - IN

Katahdin Analytical Services 4000010

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-2-4'-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 92.3

Lab Sample ID: SD7209-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	9350			P	1	26	1.33	8.6
7440-36-0	ANTIMONY, TOTAL	0.10	U		P	1	0.69	0.10	0.43
7440-38-2	ARSENIC, TOTAL	1.7			P	1	0.69	0.10	0.43
7440-39-3	BARIUM, TOTAL	9.6			P	1	0.43	0.02	0.26
7440-41-7	BERYLLIUM, TOTAL	0.10	I		P	1	0.43	0.008	0.043
7440-43-9	CADMIUM, TOTAL	0.008	I		P	1	0.86	0.007	0.26
7440-70-2	CALCIUM, TOTAL	528			P	1	8.6	0.91	6.9
7440-47-3	CHROMIUM, TOTAL	6.7			P	1	1.3	0.03	0.34
7440-48-4	COBALT, TOTAL	0.46	I		P	1	2.6	0.02	0.34
7440-50-8	COPPER, TOTAL	4.1			P	1	2.2	0.06	0.86
7439-89-6	IRON, TOTAL	4750			P	1	8.6	0.28	6.9
7439-92-1	LEAD, TOTAL	4.7			P	1	0.43	0.09	0.34
7439-95-4	MAGNESIUM, TOTAL	193			P	1	8.6	0.31	6.9
7439-96-5	MANGANESE, TOTAL	26.6			P	1	0.43	0.05	0.34
7439-97-6	MERCURY, TOTAL	0.008	I		CV	1	0.031	0.001	0.016
7440-02-0	NICKEL, TOTAL	2.5	I		P	1	3.4	0.05	0.34
7440-09-7	POTASSIUM, TOTAL	152			P	1	86	8.86	43
7782-49-2	SELENIUM, TOTAL	0.34	U		P	1	0.86	0.34	0.60
7440-22-4	SILVER, TOTAL	0.07	I		P	1	1.3	0.04	0.34
7440-23-5	SODIUM, TOTAL	15.8	I		P	1	86	1.44	43
7440-28-0	THALLIUM, TOTAL	0.14	U		P	1	1.3	0.14	0.43
7440-62-2	VANADIUM, TOTAL	12.0			P	1	2.2	0.03	0.34
7440-66-6	ZINC, TOTAL	11.0			P	1	2.2	0.05	0.86

Bottle ID: F

Comments:

FORM I - IN

Katahdin Analytical Services 4000012

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-27-33'-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 83.0

Lab Sample ID: SD7209-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	4630			P	1	28	1.43	9.2
7440-36-0	ANTIMONY, TOTAL	0.10	U		P	1	0.74	0.10	0.46
7440-38-2	ARSENIC, TOTAL	0.81			P	1	0.74	0.10	0.46
7440-39-3	BARIUM, TOTAL	4.5			P	1	0.46	0.02	0.28
7440-41-7	BERYLLIUM, TOTAL	0.04	I		P	1	0.46	0.008	0.046
7440-43-9	CADMIUM, TOTAL	0.008	I		P	1	0.92	0.007	0.28
7440-70-2	CALCIUM, TOTAL	57.0			P	1	9.2	0.98	7.4
7440-47-3	CHROMIUM, TOTAL	4.7			P	1	1.4	0.03	0.37
7440-48-4	COBALT, TOTAL	0.19	I		P	1	2.8	0.02	0.37
7440-50-8	COPPER, TOTAL	1.5	I		P	1	2.3	0.07	0.92
7439-89-6	IRON, TOTAL	1170			P	1	9.2	0.30	7.4
7439-92-1	LEAD, TOTAL	3.6			P	1	0.46	0.09	0.37
7439-95-4	MAGNESIUM, TOTAL	38.4			P	1	9.2	0.33	7.4
7439-96-5	MANGANESE, TOTAL	5.7			P	1	0.46	0.05	0.37
7439-97-6	MERCURY, TOTAL	0.001	I		CV	1	0.037	0.001	0.019
7440-02-0	NICKEL, TOTAL	1.2	I		P	1	3.7	0.05	0.37
7440-09-7	POTASSIUM, TOTAL	111			P	1	92	9.48	46
7782-49-2	SELENIUM, TOTAL	0.36	U		P	1	0.92	0.36	0.64
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.4	0.05	0.37
7440-23-5	SODIUM, TOTAL	16.5	I		P	1	92	1.54	46
7440-28-0	THALLIUM, TOTAL	0.15	U		P	1	1.4	0.15	0.46
7440-62-2	VANADIUM, TOTAL	3.5			P	1	2.3	0.03	0.37
7440-66-6	ZINC, TOTAL	2.1	I		P	1	2.3	0.06	0.92

Bottle ID: G

Comments:

FORM I - IN

Katahdin Analytical Services 400009

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-46-47-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 89.0

Lab Sample ID: SD7209-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	2780			P	1	26	1.37	8.8
7440-36-0	ANTIMONY, TOTAL	0.10	U		P	1	0.71	0.10	0.44
7440-38-2	ARSENIC, TOTAL	0.68	I		P	1	0.71	0.10	0.44
7440-39-3	BARIUM, TOTAL	5.3			P	1	0.44	0.02	0.26
7440-41-7	BERYLLIUM, TOTAL	0.04	I		P	1	0.44	0.008	0.044
7440-43-9	CADMIUM, TOTAL	0.01	I		P	1	0.88	0.007	0.26
7440-70-2	CALCIUM, TOTAL	37.4			P	1	8.8	0.94	7.1
7440-47-3	CHROMIUM, TOTAL	3.5			P	1	1.3	0.03	0.35
7440-48-4	COBALT, TOTAL	0.10	I		P	1	2.6	0.02	0.35
7440-50-8	COPPER, TOTAL	0.88	I		P	1	2.2	0.06	0.88
7439-89-6	IRON, TOTAL	758			P	1	8.8	0.28	7.1
7439-92-1	LEAD, TOTAL	3.5			P	1	0.44	0.09	0.35
7439-95-4	MAGNESIUM, TOTAL	62.6			P	1	8.8	0.32	7.1
7439-96-5	MANGANESE, TOTAL	5.5			P	1	0.44	0.05	0.35
7439-97-6	MERCURY, TOTAL	0.001	U		CV	1	0.036	0.001	0.018
7440-02-0	NICKEL, TOTAL	0.61	I		P	1	3.5	0.05	0.35
7440-09-7	POTASSIUM, TOTAL	192			P	1	88	9.11	44
7782-49-2	SELENIUM, TOTAL	0.35	U		P	1	0.88	0.35	0.62
7440-22-4	SILVER, TOTAL	0.04	U		P	1	1.3	0.04	0.35
7440-23-5	SODIUM, TOTAL	14.0	I		P	1	88	1.48	44
7440-28-0	THALLIUM, TOTAL	0.15	U		P	1	1.3	0.15	0.44
7440-62-2	VANADIUM, TOTAL	2.8			P	1	2.2	0.03	0.35
7440-66-6	ZINC, TOTAL	0.94	I		P	1	2.2	0.06	0.88

Bottle ID: F

Comments:

FORM I - IN

Katahdin Analytical Services 400013

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBF1-10-12'-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 91.6

Lab Sample ID: SD7209-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	16500			P	1	16	0.83	5.4
7440-36-0	ANTIMONY, TOTAL	0.14	I		P	1	0.43	0.06	0.27
7440-38-2	ARSENIC, TOTAL	3.1			P	1	0.43	0.06	0.27
7440-39-3	BARIUM, TOTAL	4.8			P	1	0.27	0.01	0.16
7440-41-7	BERYLLIUM, TOTAL	0.08	I		P	1	0.27	0.005	0.027
7440-43-9	CADMIUM, TOTAL	0.04	I		P	1	0.54	0.004	0.16
7440-70-2	CALCIUM, TOTAL	48.4			P	1	5.4	0.57	4.3
7440-47-3	CHROMIUM, TOTAL	10.5			P	1	0.80	0.02	0.21
7440-48-4	COBALT, TOTAL	0.22	I		P	1	1.6	0.01	0.21
7440-50-8	COPPER, TOTAL	5.3			P	1	1.3	0.04	0.54
7439-89-6	IRON, TOTAL	8010			P	1	5.4	0.17	4.3
7439-92-1	LEAD, TOTAL	3.6			P	1	0.27	0.06	0.21
7439-95-4	MAGNESIUM, TOTAL	107			P	1	5.4	0.19	4.3
7439-96-5	MANGANESE, TOTAL	22.6			P	1	0.27	0.03	0.21
7439-97-6	MERCURY, TOTAL	0.007	I		CV	1	0.035	0.001	0.018
7440-02-0	NICKEL, TOTAL	2.1			P	1	2.1	0.03	0.21
7440-09-7	POTASSIUM, TOTAL	232			P	1	54	5.51	27
7782-49-2	SELENIUM, TOTAL	0.21	U		P	1	0.54	0.21	0.37
7440-22-4	SILVER, TOTAL	0.03	U		P	1	0.80	0.03	0.21
7440-23-5	SODIUM, TOTAL	23.2	I		P	1	54	0.89	27
7440-28-0	THALLIUM, TOTAL	0.09	U		P	1	0.80	0.09	0.27
7440-62-2	VANADIUM, TOTAL	20.8			P	1	1.3	0.02	0.21
7440-66-6	ZINC, TOTAL	5.7			P	1	1.3	0.03	0.54

Bottle ID: E

Comments:

FORM I - IN

Katahdin Analytical Services 4000005

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBF1-50-55'-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 84.2

Lab Sample ID: SD7209-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	4280			P	1	29	1.52	9.8
7440-36-0	ANTIMONY, TOTAL	0.11	U		P	1	0.78	0.11	0.49
7440-38-2	ARSENIC, TOTAL	0.65	I		P	1	0.78	0.11	0.49
7440-39-3	BARIUM, TOTAL	7.5			P	1	0.49	0.03	0.29
7440-41-7	BERYLLIUM, TOTAL	0.05	I		P	1	0.49	0.009	0.049
7440-43-9	CADMIUM, TOTAL	0.008	U		P	1	0.98	0.008	0.29
7440-70-2	CALCIUM, TOTAL	31.8			P	1	9.8	1.04	7.8
7440-47-3	CHROMIUM, TOTAL	2.8			P	1	1.5	0.03	0.39
7440-48-4	COBALT, TOTAL	0.11	I		P	1	2.9	0.02	0.39
7440-50-8	COPPER, TOTAL	1.0	I		P	1	2.4	0.07	0.98
7439-89-6	IRON, TOTAL	754			P	1	9.8	0.32	7.8
7439-92-1	LEAD, TOTAL	4.5			P	1	0.49	0.10	0.39
7439-95-4	MAGNESIUM, TOTAL	103			P	1	9.8	0.36	7.8
7439-96-5	MANGANESE, TOTAL	2.4			P	1	0.49	0.06	0.39
7439-97-6	MERCURY, TOTAL	0.005	I		CV	1	0.038	0.001	0.020
7440-02-0	NICKEL, TOTAL	0.67	I		P	1	3.9	0.05	0.39
7440-09-7	POTASSIUM, TOTAL	296			P	1	98	10.11	49
7782-49-2	SELENIUM, TOTAL	0.38	U		P	1	0.98	0.38	0.69
7440-22-4	SILVER, TOTAL	0.05	U		P	1	1.5	0.05	0.39
7440-23-5	SODIUM, TOTAL	17.1	I		P	1	98	1.64	49
7440-28-0	THALLIUM, TOTAL	0.16	U		P	1	1.5	0.16	0.49
7440-62-2	VANADIUM, TOTAL	4.0			P	1	2.4	0.03	0.39
7440-66-6	ZINC, TOTAL	1.1	I		P	1	2.4	0.06	0.98

Bottle ID: E

Comments:

FORM I - IN

Katahdin Analytical Services 400006

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBF1-55-58'-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 80.9

Lab Sample ID: SD7209-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	1690			P	1	22	1.15	7.4
7440-36-0	ANTIMONY, TOTAL	0.08	U		P	1	0.59	0.08	0.37
7440-38-2	ARSENIC, TOTAL	2.2			P	1	0.59	0.08	0.37
7440-39-3	BARIUM, TOTAL	3.3			P	1	0.37	0.02	0.22
7440-41-7	BERYLLIUM, TOTAL	0.03	I		P	1	0.37	0.007	0.037
7440-43-9	CADMIUM, TOTAL	0.006	U		P	1	0.74	0.006	0.22
7440-70-2	CALCIUM, TOTAL	21.3			P	1	7.4	0.78	5.9
7440-47-3	CHROMIUM, TOTAL	12.0			P	1	1.1	0.02	0.30
7440-48-4	COBALT, TOTAL	0.02	I		P	1	2.2	0.01	0.30
7440-50-8	COPPER, TOTAL	2.5			P	1	1.8	0.05	0.74
7439-89-6	IRON, TOTAL	3670			P	1	7.4	0.24	5.9
7439-92-1	LEAD, TOTAL	1.6			P	1	0.37	0.08	0.30
7439-95-4	MAGNESIUM, TOTAL	37.8			P	1	7.4	0.27	5.9
7439-96-5	MANGANESE, TOTAL	4.6			P	1	0.37	0.04	0.30
7439-97-6	MERCURY, TOTAL	0.007	I		CV	1	0.035	0.001	0.018
7440-02-0	NICKEL, TOTAL	0.24	I		P	1	3.0	0.04	0.30
7440-09-7	POTASSIUM, TOTAL	85.9			P	1	74	7.63	37
7782-49-2	SELENIUM, TOTAL	0.54	I		P	1	0.74	0.29	0.52
7440-22-4	SILVER, TOTAL	0.05	I		P	1	1.1	0.04	0.30
7440-23-5	SODIUM, TOTAL	11.7	I		P	1	74	1.24	37
7440-28-0	THALLIUM, TOTAL	0.12	U		P	1	1.1	0.12	0.37
7440-62-2	VANADIUM, TOTAL	11.6			P	1	1.8	0.03	0.30
7440-66-6	ZINC, TOTAL	1.1	I		P	1	1.8	0.05	0.74

Bottle ID: E

Comments:

FORM I - IN

Katahdin Analytical Services 400007

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: SBF1-61-63'-11/2010

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 83.1

Lab Sample ID: SD7209-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	5320			P	1	24	1.26	8.1
7440-36-0	ANTIMONY, TOTAL	0.09	U		P	1	0.65	0.09	0.41
7440-38-2	ARSENIC, TOTAL	1.6			P	1	0.65	0.09	0.41
7440-39-3	BARIUM, TOTAL	14.0			P	1	0.41	0.02	0.24
7440-41-7	BERYLLIUM, TOTAL	0.13	I		P	1	0.41	0.007	0.041
7440-43-9	CADMIUM, TOTAL	0.007	U		P	1	0.81	0.007	0.24
7440-70-2	CALCIUM, TOTAL	175			P	1	8.1	0.86	6.5
7440-47-3	CHROMIUM, TOTAL	6.6			P	1	1.2	0.03	0.32
7440-48-4	COBALT, TOTAL	0.13	I		P	1	2.4	0.02	0.32
7440-50-8	COPPER, TOTAL	2.4			P	1	2.0	0.06	0.81
7439-89-6	IRON, TOTAL	3870			P	1	8.1	0.26	6.5
7439-92-1	LEAD, TOTAL	7.8			P	1	0.41	0.08	0.32
7439-95-4	MAGNESIUM, TOTAL	188			P	1	8.1	0.30	6.5
7439-96-5	MANGANESE, TOTAL	23.7			P	1	0.41	0.05	0.32
7439-97-6	MERCURY, TOTAL	0.30			CV	1	0.039	0.001	0.020
7440-02-0	NICKEL, TOTAL	0.65	I		P	1	3.2	0.04	0.32
7440-09-7	POTASSIUM, TOTAL	409			P	1	81	8.37	41
7782-49-2	SELENIUM, TOTAL	0.32	U		P	1	0.81	0.32	0.57
7440-22-4	SILVER, TOTAL	0.04	U		P	1	1.2	0.04	0.32
7440-23-5	SODIUM, TOTAL	22.5	I		P	1	81	1.36	41
7440-28-0	THALLIUM, TOTAL	0.13	U		P	1	1.2	0.13	0.41
7440-62-2	VANADIUM, TOTAL	12.3			P	1	2.0	0.03	0.32
7440-66-6	ZINC, TOTAL	2.1			P	1	2.0	0.05	0.81

Bottle ID: E

Comments:

FORM I - IN

Katahdin Analytical Services 400008

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services

Client Field ID: RB11171001

Matrix: WATER

SDG Name: CTOJM30-1

Percent Solids: 0.00

Lab Sample ID: SD7209-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED		
							LOQ	MDL	LOD
7429-90-5	ALUMINUM, TOTAL	15.20	U		P	1	300	15.20	100
7440-36-0	ANTIMONY, TOTAL	1.50	U		P	1	8.0	1.50	5.0
7440-38-2	ARSENIC, TOTAL	1.86	U		P	1	8.0	1.86	5.0
7440-39-3	BARIUM, TOTAL	0.44	U		P	1	5.0	0.44	3.0
7440-41-7	BERYLLIUM, TOTAL	0.04	U		P	1	5.0	0.04	0.50
7440-43-9	CADMIUM, TOTAL	0.04	U		P	1	10	0.04	3.0
7440-70-2	CALCIUM, TOTAL	11.5	I		P	1	100	5.79	80
7440-47-3	CHROMIUM, TOTAL	0.32	U		P	1	15	0.32	4.0
7440-48-4	COBALT, TOTAL	0.28	U		P	1	30	0.28	4.0
7440-50-8	COPPER, TOTAL	0.48	U		P	1	25	0.48	10
7439-89-6	IRON, TOTAL	6.27	U		P	1	100	6.27	80
7439-92-1	LEAD, TOTAL	0.73	U		P	1	5.0	0.73	4.0
7439-95-4	MAGNESIUM, TOTAL	9.5	I		P	1	100	4.83	80
7439-96-5	MANGANESE, TOTAL	0.59	I		P	1	5.0	0.37	4.0
7439-97-6	MERCURY, TOTAL	0.04	U		CV	1	0.20	0.04	0.10
7440-02-0	NICKEL, TOTAL	0.29	U		P	1	40	0.29	4.0
7440-09-7	POTASSIUM, TOTAL	105.00	U		P	1	1000	105.00	500
7782-49-2	SELENIUM, TOTAL	3.67	U		P	1	10	3.67	7.0
7440-22-4	SILVER, TOTAL	0.48	U		P	1	15	0.48	4.0
7440-23-5	SODIUM, TOTAL	34.40	U		P	1	1000	34.40	500
7440-28-0	THALLIUM, TOTAL	0.67	U		P	1	15	0.67	5.0
7440-62-2	VANADIUM, TOTAL	0.39	U		P	1	25	0.39	4.0
7440-66-6	ZINC, TOTAL	6.1	I		P	1	25	0.50	10

Bottle ID: D

Comments:

FORM I - IN

Katahdin Analytical Services 4000014

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-1
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

SBF1-10-12'-11/2010

Matrix

SL

Date Sampled

16-NOV-10

Date Received

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	92. %	1	N/A	SM2540G	WG85444	22-NOV-10 10:34:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-2
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

SBF1-50-55'-11/2010

Matrix

SL

Date Sampled

17-NOV-10

Date Received

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	84. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:37:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-3
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

SBF1-55-58'-11/2010

Matrix

SL

Date Sampled

17-NOV-10

Date Received

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	81. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:39:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
 Tetra Tech NUS, Inc.
 661 Andersen Drive
 Pittsburgh, PA 15220

Lab Sample ID: SD7209-4
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Sauffley Field, F
SDG: CTOJM30-1

Sample Description

SBF1-61-63¹-11/2010

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-NOV-10	18-NOV-10

<u>Parameter</u>	<u>Result</u>	<u>Adj LOQ</u>	<u>Adj LOD</u>	<u>Anal. Method</u>	<u>QC.Batch</u>	<u>Anal. Date</u>	<u>Prep. Method</u>	<u>Prep. Date</u>	<u>Footnotes</u>
Total Solids	83. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:40:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
 Tetra Tech NUS, Inc.
 661 Andersen Drive
 Pittsburgh, PA 15220

Lab Sample ID: SD7209-5
Report Date: 08-DEC-10
Client PO: 1045366 I12G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

SBA1-27-33'-11/2010

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-NOV-10	18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	83. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:41:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-6
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

SAA1-0-2-11/2010

Matrix

Date Sampled

Date Received

SL

17-NOV-10

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	77. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:42:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-7
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

FD11171001

Matrix

SL

Date Sampled

17-NOV-10

Date Received

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:43:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-8
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Sautfley Field, F
SDG: CTOJM30-1

Sample Description

SBA1-2-4'-11/2010

Matrix

SL

Date Sampled

17-NOV-10

Date Received

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	92. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:44:00	ASTM D2216	19-NOV-10	

Report of Analytical Results

Client: Tobrena Skeen
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh, PA 15220

Lab Sample ID: SD7209-9
Report Date: 08-DEC-10
Client PO: 1045366 112G01590 11
Project: OLF Saufley Field, F
SDG: CTOJM30-1

Sample Description

SBA1-46-47'-11/2010

Matrix

SL

Date Sampled

17-NOV-10

Date Received

18-NOV-10

Parameter	Result	Adj LOQ	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1	N/A	SM2540G	WG85445	22-NOV-10 10:45:00	ASTM D2216	19-NOV-10	

APPENDIX C
SUPPORT DOCUMENTATION



**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
OLF SAUFLEY FIELD, FL – CTO JM30 SITE 2
SDG: CTOJM30-1
SD7209
PROJECT MANAGER: FRANK LESESNE**

Sample Receipt

The following samples were received on November 18, 2010 and were logged in under Katahdin Analytical Services work order number SD7209 for a hardcopy due date of December 9, 2010.

KATAHDIN <u>Sample No.</u>	TTNUS <u>Sample Identification</u>
SD7209-1	SBF1-10-12'-11/2010
SD7209-2	SBF1-50-55'-11/2010
SD7209-3	SBF1-55-58'-11/2010
SD7209-4	SBF1-61-63'-11/2010
SD7209-5	SBA1-27-33'-11/2010
SD7209-6	SAA1-0-2-11/2010
SD7209-7	FD11171001
SD7209-8	SBA1-2-4'-11/2010
SD7209-9	SBA1-46-47'-11/2010
SD7209-10	RB11171001
SD7209-11	TB11171001
SD7209-12	TRIP BLANK FOR SOIL

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

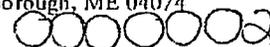
We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, Ms. Kelly Perkins. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG CTOJM30-1 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency



Response, U.S. EPA, and/or Method for Determination of Petroleum Range Organics (Method #FL-PRO), Florida Department of Environmental Protection, November 1, 1995 and/or for the specific methods listed below or on the Report of Analysis.

8260B Analysis

Surrogate recoveries for all samples and QC were evaluated using laboratory established acceptance limits.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The initial calibration analyzed on the D instrument on 11/18/10 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Although the %RSD is greater than 15%, acetone was calibrated with the average model since this calibration model is more accurate for this analyte at concentrations near the PQL than either the linear or quadratic calibration models.

The initial calibration analyzed on the D instrument on 11/18/2010 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The analyte 1,4-dioxane failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This compound was calibrated using the average model. Since this analyte was not detected above the MDL for any of the associated samples and all other QC criteria were met, the associated samples were not reanalyzed.

The independent check standard (file C1863A), associated with the initial calibration analyzed on the C instrument on 11/19/10 had high concentrations for the target analytes bromomethane, trichlorofluoromethane, acetone, isopropylbenzene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The independent check standard is the same source as the LCS. The LCS had recoveries for these analytes that were within the LCS acceptance limits. The associated samples did not have any of these target analytes detected above the PQL. Therefore, the samples were not reanalyzed. The independent check standard recovery report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The independent check standard (file D8612A), associated with the initial calibration analyzed on the D instrument on 11/18/10 had high concentrations for the target analytes, acetone, isopropylbenzene, chloromethane and dichlorodifluoromethane, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The independent check standard is the same source as the LCS. The LCS had recoveries for these analytes that were within the LCS acceptance limits. The associated samples did not have any of these target analytes detected above the PQL. Therefore, the samples were not

The LCS/LCSD WG85305-2 and 3 have a relative percent difference (RPD) for the analyte alpha-BHC was greater than 40%. The RPD was high because the concentrations for this analyte were significantly different on the two channels. The difference in concentrations appears to be an interfering peak that coelutes with the analyte on the A channel and results in a high concentration, while the peak is resolved on channel B and results in a lower concentration.

FL-PRO Analysis

The recoveries for all samples and QC were evaluated using the method acceptance limit for the surrogate OTP and the nominal acceptance limit for the surrogate n-triacontane-d₆₂.

The spike recoveries were evaluated using the method acceptance limit.

Samples SD7209-6 and 7 were manually integrated for the target range PRO and the extraction surrogates o-Terphenyl and n-triacontane-D₆₂. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

Sample SD7209-5 had high recoveries for the extraction surrogates o-Terphenyl and n-Triacontane-D₆₂, that were outside the acceptance limits. Since a high recovery would indicate a high bias and there was no Petroleum Range Organic detected above the LOQ, the sample was not reextracted.

Sample SD7209-10 had a low recovery for the extraction surrogate o-Terphenyl that was outside the method acceptance limit. Since the other extraction surrogate n-Triacontane-D₆₂ had an acceptable recovery, the sample was not reextracted.

The opening/closing calibration verification standard (CV) (file CDL2089) had low responses for all of the individual hydrocarbons, the PRO range C₈-C₄₀, and the extraction surrogates o-Terphenyl and n-Triacontane-D₆₂ that resulted in %D's that were greater than 25%. This CV was added to the instrument to be analyzed overnight and a solvent was added to the vial to prevent any concentration of the standard. However, a different solvent was added to the vial than the solvent that the standard is prepared with. Consequently, this caused the concentration of the standard compounds to be low. Since the opening and closing CV's were acceptable and all of the analyses of samples and QC had acceptable recoveries, except for those previously mentioned, the samples were not reanalyzed.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Metals Analysis

The samples of SDG CTOJM30-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Solid-matrix Katahdin Sample Numbers SD7209-(1-9) were digested for ICP analysis on 12/03/10 (QC Batch AL03ICS0) in accordance with USEPA Method 3050B. Katahdin Sample Number SD7209-9 was prepared with duplicate matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample Number SD7209-10 was digested for ICP analysis on 12/06/10 (QC Batch AL06ICW0) in accordance with USEPA Method 3010A. Duplicate laboratory control samples were prepared in this batch.

ICP analyses of SDG CTOJM30-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Numbers SD7209-(1-9) were originally digested for mercury analysis on 12/06/10 (QC Batch AL06HGS0) in accordance with USEPA Method 7471. Due to contamination in the preparation blank above the project acceptance limit, these samples were redigested on 12/09/10 (QC Batch AL09HGS0). All mercury results for these samples were taken from the redigested aliquots. Redigestates are identified on sample preparation and analysis run logs and throughout the raw data by the suffix "R" appended to the Katahdin Sample Number, e.g. "SD7209-002R".

Aqueous-matrix Katahdin Sample Number SD7209-10 was digested for mercury analysis on 12/06/10 (QC Batch AL06HGW0) in accordance with USEPA Method 7470.

Mercury analyses of SDG CTOJM30-1 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recoveries of antimony and potassium in the matrix-spiked aliquots of Katahdin Sample Number SD7209-9 are outside the project acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added). The measured recoveries of these analytes in a post-digestion spike of this sample are within acceptance criteria (75% - 125% recovery of the added element)

The matrix-spiked duplicate analysis of Katahdin Sample Number SD7209-9 is within the laboratory's acceptance limit (<20% relative difference between matrix-spiked duplicate aliquots) for all analytes.

The serial dilution analysis of Katahdin Sample Number SD7209-9 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the LOQ) for all analytes.

Reporting of Metals Results

Analytical results for client samples, matrix QC samples (duplicates and matrix spikes), and batch QC samples (preparation blanks and laboratory control samples) have been reported down to the laboratory's method detection limits (MDLs). Results that fall between the MDL and the PQL are flagged with "I" in

the C-qualifier column, and the measured concentration appears in the concentration column. Results that are less than the MDL are flagged with "U" in the C-qualifier column, and the MDL is listed in the concentration column. These PQLs and MDLs have been adjusted for each sample based on the sample amounts used in preparation and analysis.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, MDLs, and PQLs are listed on Form 10 of the accompanying data package.

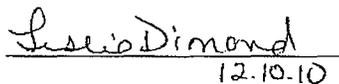
Wet Chemistry Analysis

The samples of SDG CTOJM30-1 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to "Standard Methods for the Examination of Water and Wastewater", 15th, 16th, 17th, 18th, 19th, and 20th editions, 1980, 1985, 1989, 1992, 1995, 1999. APHA-AWWA-WPCF.

All analyses were performed within analytical holding times, and all quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.


12.10.10

Leslie Dimond
Quality Assurance Officer



PROJECT NO: 112 G 02760	SITE NAME: Sawfley Field Site 2	PROJECT MANAGER AND PHONE NUMBER: Frank Lesesne 850-385-9866	LABORATORY NAME AND CONTACT: Katahdin Kelly Perkins
SAMPLERS (SIGNATURE): 		FIELD OPERATIONS LEADER AND PHONE NUMBER: Amber Igone 850-322-8033	ADDRESS: 600 Technology Way
		CARRIER/WAYBILL NUMBER:	CITY, STATE: Scarborough, ME 04073

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	NO. OF CONTAINERS	CONTAINER TYPE PLASTIC (P) or GLASS (G)		PRESERVATIVE USED		TYPE OF ANALYSIS	COMMENTS
		SD7209									
11/16	1550	SF-2-SBF1-10-12'-11/2010	Soil	G	7	S		ICE		VOA	VOAs frozen coated to <2% "
11/17	0900	SF-2-SBF1-50-55'-11/2010	Soil	G	7	S		ICE		VOA	" "
11/17	0911	SF-2-SBF1-55-58'-11/2010	Soil	G	7	S		ICE		VOA	
11/17	0936	SF-2-SBF1-61-63'-11/2010	Soil	G	7	S		ICE		VOA	
11/17	1040	SF-2-SBA1-27-33'-11/2010	Soil	G	7	S				Metals-SVOA, LL SVOA, PAHs, PCBs, Sim	
11/17	1100	SF-2-SBA1-0-2'-11/2010	Soil	G	7	S				VOA	
11/17	0000	QA1171001	QC	G	7	S				SVOA	
11/17	1130	SF-2-SBA1-2-4'-11/2010	Soil	G	7	S				Pest/PBS	
11/17	1143	SF-2-SBA1-46-47'-11/2010	Soil	G	7	S				FLO-PRO	
11/17	1207	RB11171001	H ₂ O	G	10					Metals	
11/17	1207	TB11171001	H ₂ O	G	3						
11/17		Trip Blank for Soil	Soil	G	3						

1. RELINQUISHED BY 	DATE 11/17/10	TIME 1320	1. RECEIVED BY 	DATE 11/17/10	TIME 1320
2. RELINQUISHED BY 	DATE 11/17/10	TIME 1415	2. RECEIVED BY 	DATE 11-18-10	TIME 10100
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

SDG CTOJM30-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	FD11171001	SD7209-007R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-61-63'-11/2010	SD7209-004R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-55-58'-11/2010	SD7209-003R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-50-55'-11/2010	SD7209-002R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-10-12'-11/2010	SD7209-001R	NM	11/16/2010	12/09/2010	12/10/2010	23	1	24
HG	MG/KG	SBA1-46-47'-11/2010	SD7209-009R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBA1-27-33'-11/2010	SD7209-005R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SAA1-0-2-11/2010	SD7209-006R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBA1-2-4'-11/2010	SD7209-008R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	UG/L	RB11171001	SD7209-010	NM	11/17/2010	12/06/2010	12/06/2010	19	0	19
M	MG/KG	FD11171001	SD7209-007	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SAA1-0-2-11/2010	SD7209-006	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBA1-27-33'-11/2010	SD7209-005	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBA1-46-47'-11/2010	SD7209-009	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBF1-10-12'-11/2010	SD7209-001	NM	11/16/2010	12/03/2010	12/07/2010	17	4	21

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SBF1-50-55'-11/2010	SD7209-002	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBF1-55-58'-11/2010	SD7209-003	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBF1-61-63'-11/2010	SD7209-004	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBA1-2-4'-11/2010	SD7209-008	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	UG/L	RB11171001	SD7209-010	NM	11/17/2010	12/06/2010	12/07/2010	19	1	20
TS	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/22/2010	3	3	6
TS	%	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
OS	%	SBF1-50-55'-11/2010	SD7209-2	SUR	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6

**SAUFLEY FIELD
SOIL DATA
CTOJM30-1**

FRACTION	CHEMICAL	SAA1-0-2-11/2010	UNITS	FD11171001	RPD	D
M	ALUMINUM	8780	MG/KG	8200	6.83	580.00
M	ARSENIC	1.5	MG/KG	1.6	6.45	0.10
M	BARIUM	19.9	MG/KG	21.2	6.33	1.30
M	BERYLLIUM	0.1 J	MG/KG	0.09 J	10.53	0.01
M	CADMIUM	0.16 J	MG/KG	0.19 J	17.14	0.03
M	CALCIUM	3960 J	MG/KG	16000 J	120.64	12040.00
M	CHROMIUM	6.6	MG/KG	6.1	7.87	0.50
M	COBALT	0.7 J	MG/KG	0.65 J	7.41	0.05
M	COPPER	9.7	MG/KG	10.9	11.65	1.20
M	IRON	3950	MG/KG	3580	9.83	370.00
M	LEAD	17.4	MG/KG	19.2	9.84	1.80
M	MAGNESIUM	225	MG/KG	282	22.49	57.00
M	MANGANESE	96	MG/KG	98.4	2.47	2.40
M	MERCURY	0.04	MG/KG	0.04	0.00	0.00
M	NICKEL	2.8	MG/KG	2.6 J	7.41	0.20
M	POTASSIUM	140	MG/KG	158	12.08	18.00
M	SELENIUM	0.32 J	MG/KG	0.33 J	3.08	0.01
M	SILVER	0.27 J	MG/KG	0.32 J	16.95	0.05
M	VANADIUM	10.1	MG/KG	9.1	10.42	1.00
M	ZINC	44	MG/KG	51.4	15.51	7.40
MISC	TOTAL SOLIDS	77	%	90	15.57	13.00

Current RPD Quality Control Limit: 50 %.

Shaded cells indicate RPDs that exceed the applicable quality control limit.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

SOW No. SW846

Client Field ID	Lab Sample ID
FD11171001	SD7209-007
RB11171001	SD7209-010
SAA1-0-2-11/2010	SD7209-006
SBA1-2-4'-11/2010	SD7209-008
SBA1-27-33'-11/2010	SD7209-005
SBA1-46-47'-11/2010	SD7209-009
SBA1-46-47'-11/2010	SD7209-009A
SBA1-46-47'-11/2010	SD7209-009P
SBA1-46-47'-11/2010	SD7209-009S
SBF1-10-12'-11/2010	SD7209-001
SBF1-50-55'-11/2010	SD7209-002
SBF1-55-58'-11/2010	SD7209-003
SBF1-61-63'-11/2010	SD7209-004

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Edward A. Morgan Name: Edward A. Morgan
 Date: December 10, 2010 Title: Senior Analyst

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICV

File: HAL06A Dec 06, 2010 15:30

Analyte	True	Found	%R (1)
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MERCURY	6.0	6.20	103.3
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SAMPLE: CCV

File: HAL06A Dec 06, 2010 15:55

Analyte	True	Found	%R (1)
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MERCURY	5.0	5.22	104.4
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(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000016

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCV

File: HAL06A Dec 06, 2010 16:21

Analyte	True	Found	%R (1)
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MERCURY	5.0	4.41	88.2
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SAMPLE: CCV

File: HAL06A Dec 06, 2010 16:42

Analyte	True	Found	%R (1)
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MERCURY	5.0	5.02	100.4
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(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000017

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICV

File: HAL10A Dec 10, 2010 11:17

Analyte	True	Found	%R (1)
MERCURY	6.0	5.73	95.5

SAMPLE: CCV

File: HAL10A Dec 10, 2010 11:42

Analyte	True	Found	%R (1)
MERCURY	5.0	5.33	106.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 400018

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCV

File: HAL10A Dec 10, 2010 12:08

Analyte	True	Found	%R (1)
MERCURY	5.0	5.09	101.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000019

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICV

File: IAL03A

Dec 03, 2010

14:59

SAMPLE: CCV

File: IAL03A

Dec 03, 2010

15:22

Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9973.00	99.7	ALUMINUM	12500.0	12730.00	101.8
ANTIMONY	400.0	397.40	99.3	ANTIMONY	500.0	500.20	100.0
BARIUM	400.0	400.80	100.2	BARIUM	500.0	510.50	102.1
BERYLLIUM	400.0	405.60	101.4	BERYLLIUM	500.0	507.50	101.5
CADMIUM	400.0	402.90	100.7	CADMIUM	500.0	508.10	101.6
CALCIUM	10000.0	10050.00	100.5	CALCIUM	12500.0	12620.00	101.0
CHROMIUM	400.0	407.10	101.8	CHROMIUM	500.0	507.10	101.4
COBALT	400.0	408.20	102.1	COBALT	500.0	511.50	102.3
COPPER	400.0	398.60	99.7	COPPER	500.0	503.50	100.7
IRON	10000.0	10080.00	100.8	IRON	12500.0	12670.00	101.4
LEAD	400.0	408.20	102.1	LEAD	500.0	511.20	102.2
MAGNESIUM	10000.0	10140.00	101.4	MAGNESIUM	12500.0	12780.00	102.2
MANGANESE	400.0	403.30	100.8	MANGANESE	500.0	502.80	100.6
NICKEL	400.0	403.40	100.8	NICKEL	500.0	509.10	101.8
POTASSIUM	13600.0	13600.00	100.0	POTASSIUM	12500.0	12780.00	102.2
SELENIUM	400.0	396.60	99.2	SELENIUM	500.0	504.60	100.9
SILVER	400.0	401.60	100.4	SILVER	500.0	504.80	101.0
SODIUM	10000.0	9895.00	99.0	SODIUM	12500.0	12760.00	102.1
THALLIUM	400.0	410.10	102.5	THALLIUM	500.0	517.40	103.5
VANADIUM	400.0	398.10	99.5	VANADIUM	500.0	501.80	100.4
ZINC	400.0	403.70	100.9	ZINC	500.0	507.30	101.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000020

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCV

File: IAL03A

Dec 03, 2010

16:16

SAMPLE: CCV

File: IAL03A

Dec 03, 2010

17:11

Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12250.00	98.0	ALUMINUM	12500.0	12390.00	99.1
ANTIMONY	500.0	493.40	98.7	ANTIMONY	500.0	499.60	99.9
BARIUM	500.0	488.40	97.7	BARIUM	500.0	495.50	99.1
BERYLLIUM	500.0	500.00	100.0	BERYLLIUM	500.0	504.60	100.9
CADMIUM	500.0	512.10	102.4	CADMIUM	500.0	513.60	102.7
CALCIUM	12500.0	12320.00	98.6	CALCIUM	12500.0	12460.00	99.7
CHROMIUM	500.0	502.90	100.6	CHROMIUM	500.0	505.30	101.1
COBALT	500.0	519.10	103.8	COBALT	500.0	519.40	103.9
COPPER	500.0	492.80	98.6	COPPER	500.0	497.20	99.4
IRON	12500.0	12430.00	99.4	IRON	12500.0	12540.00	100.3
LEAD	500.0	512.50	102.5	LEAD	500.0	515.50	103.1
MAGNESIUM	12500.0	12760.00	102.1	MAGNESIUM	12500.0	12870.00	103.0
MANGANESE	500.0	492.10	98.4	MANGANESE	500.0	495.90	99.2
NICKEL	500.0	506.20	101.2	NICKEL	500.0	509.30	101.9
POTASSIUM	12500.0	12560.00	100.5	POTASSIUM	12500.0	12690.00	101.5
SELENIUM	500.0	507.60	101.5	SELENIUM	500.0	513.60	102.7
SILVER	500.0	488.00	97.6	SILVER	500.0	493.20	98.6
SODIUM	12500.0	12290.00	98.3	SODIUM	12500.0	12420.00	99.4
THALLIUM	500.0	518.90	103.8	THALLIUM	500.0	523.00	104.6
VANADIUM	500.0	489.70	97.9	VANADIUM	500.0	493.10	98.6
ZINC	500.0	516.10	103.2	ZINC	500.0	517.50	103.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 400021

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCV

File: IAL03A

Dec 03, 2010

17:57

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12350.00	98.8
ANTIMONY	500.0	499.80	100.0
BARIUM	500.0	495.60	99.1
BERYLLIUM	500.0	497.30	99.5
CADMIUM	500.0	512.80	102.6
CALCIUM	12500.0	12200.00	97.6
CHROMIUM	500.0	499.90	100.0
COBALT	500.0	518.50	103.7
COPPER	500.0	497.50	99.5
IRON	12500.0	12150.00	97.2
LEAD	500.0	514.90	103.0
MAGNESIUM	12500.0	12860.00	102.9
MANGANESE	500.0	483.20	96.6
NICKEL	500.0	507.20	101.4
POTASSIUM	12500.0	12890.00	103.1
SELENIUM	500.0	514.60	102.9
SILVER	500.0	492.30	98.5
SODIUM	12500.0	12520.00	100.2
THALLIUM	500.0	521.20	104.2
VANADIUM	500.0	484.30	96.9
ZINC	500.0	514.30	102.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 400022

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICV

File: IAL07A

Dec 07, 2010

15:20

SAMPLE: CCV

File: IAL07A

Dec 07, 2010

15:43

Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9969.00	99.7	ALUMINUM	12500.0	12640.00	101.1
ANTIMONY	400.0	401.50	100.4	ANTIMONY	500.0	513.00	102.6
ARSENIC	400.0	399.10	99.8	ARSENIC	500.0	508.80	101.8
BARIUM	400.0	403.90	101.0	BARIUM	500.0	507.40	101.5
BERYLLIUM	400.0	406.30	101.6	BERYLLIUM	500.0	504.30	100.9
CADMIUM	400.0	405.80	101.4	CADMIUM	500.0	513.00	102.6
CALCIUM	10000.0	10000.00	100.0	CALCIUM	12500.0	12520.00	100.2
CHROMIUM	400.0	406.90	101.7	CHROMIUM	500.0	505.10	101.0
COBALT	400.0	412.30	103.1	COBALT	500.0	518.80	103.8
COPPER	400.0	397.60	99.4	COPPER	500.0	497.60	99.5
IRON	10000.0	10100.00	101.0	IRON	12500.0	12540.00	100.3
LEAD	400.0	409.50	102.4	LEAD	500.0	511.30	102.3
MAGNESIUM	10000.0	9972.00	99.7	MAGNESIUM	12500.0	12680.00	101.4
MANGANESE	400.0	405.50	101.4	MANGANESE	500.0	501.60	100.3
NICKEL	400.0	403.20	100.8	NICKEL	500.0	509.20	101.8
POTASSIUM	13600.0	13560.00	99.7	POTASSIUM	12500.0	12520.00	100.2
SELENIUM	400.0	397.20	99.3	SELENIUM	500.0	503.60	100.7
SILVER	400.0	397.90	99.5	SILVER	500.0	491.60	98.3
SODIUM	10000.0	9892.00	98.9	SODIUM	12500.0	12610.00	100.9
THALLIUM	400.0	409.00	102.3	THALLIUM	500.0	516.90	103.4
VANADIUM	400.0	404.10	101.0	VANADIUM	500.0	511.40	102.3
ZINC	400.0	409.40	102.3	ZINC	500.0	515.60	103.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 400023

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCV

File: IAL07A Dec 07, 2010 16:37

SAMPLE: CCV

File: IAL07A Dec 07, 2010 17:32

Analyte	True	Found	%R (1)	Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12480.00	99.8	ALUMINUM	12500.0	12360.00	98.9
ANTIMONY	500.0	507.90	101.6	ANTIMONY	500.0	498.40	99.7
ARSENIC	500.0	505.80	101.2	ARSENIC	500.0	495.30	99.1
BARIUM	500.0	507.60	101.5	BARIUM	500.0	508.80	101.8
BERYLLIUM	500.0	503.90	100.8	BERYLLIUM	500.0	512.60	102.5
CADMIUM	500.0	509.20	101.8	CADMIUM	500.0	501.90	100.4
CALCIUM	12500.0	12320.00	98.6	CALCIUM	12500.0	12410.00	99.3
CHROMIUM	500.0	499.30	99.9	CHROMIUM	500.0	504.10	100.8
COBALT	500.0	515.40	103.1	COBALT	500.0	503.20	100.6
COPPER	500.0	496.10	99.2	COPPER	500.0	503.90	100.8
IRON	12500.0	12400.00	99.2	IRON	12500.0	12580.00	100.6
LEAD	500.0	510.10	102.0	LEAD	500.0	502.00	100.4
MAGNESIUM	12500.0	12610.00	100.9	MAGNESIUM	12500.0	12500.00	100.0
MANGANESE	500.0	497.30	99.5	MANGANESE	500.0	506.30	101.3
NICKEL	500.0	506.60	101.3	NICKEL	500.0	506.60	101.3
POTASSIUM	12500.0	12620.00	101.0	POTASSIUM	12500.0	12860.00	102.9
SELENIUM	500.0	501.10	100.2	SELENIUM	500.0	499.80	100.0
SILVER	500.0	492.80	98.6	SILVER	500.0	505.30	101.1
SODIUM	12500.0	12610.00	100.9	SODIUM	12500.0	12550.00	100.4
THALLIUM	500.0	513.20	102.6	THALLIUM	500.0	507.00	101.4
VANADIUM	500.0	500.10	100.0	VANADIUM	500.0	499.90	100.0
ZINC	500.0	509.90	102.0	ZINC	500.0	497.00	99.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000024

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCV

File: IAL07A

Dec 07, 2010

18:27

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12270.00	98.2
ANTIMONY	500.0	480.40	96.1
ARSENIC	500.0	480.30	96.1
BARIUM	500.0	500.60	100.1
BERYLLIUM	500.0	507.90	101.6
CADMIUM	500.0	495.90	99.2
CALCIUM	12500.0	12690.00	101.5
CHROMIUM	500.0	510.20	102.0
COBALT	500.0	492.70	98.5
COPPER	500.0	507.20	101.4
IRON	12500.0	12460.00	99.7
LEAD	500.0	493.60	98.7
MAGNESIUM	12500.0	12320.00	98.6
MANGANESE	500.0	508.70	101.7
NICKEL	500.0	502.00	100.4
POTASSIUM	12500.0	12720.00	101.8
SELENIUM	500.0	487.00	97.4
SILVER	500.0	518.10	103.6
SODIUM	12500.0	12360.00	98.9
THALLIUM	500.0	494.30	98.9
VANADIUM	500.0	498.80	99.8
ZINC	500.0	488.10	97.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

Katahdin Analytical Services 4000025

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: PQL

File: HAL06A

Dec 06, 2010

15:34

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.18	90.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: PQL

File: HAL10A Dec 10, 2010 11:21

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.20	100.0

2C
PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: PQL

File: IAL03A Dec 03, 2010 15:08

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	306.30	102.1
ANTIMONY	8.0	7.28	91.0
BARIUM	5.0	5.12	102.4
BERYLLIUM	5.0	5.10	102.0
CADMIUM	10.0	10.22	102.2
CALCIUM	100.0	101.70	101.7
CHROMIUM	15.0	16.08	107.2
COBALT	30.0	34.10	113.7
COPPER	25.0	25.66	102.6
IRON	100.0	101.70	101.7
LEAD	5.0	4.27	85.4
MAGNESIUM	100.0	104.40	104.4
MANGANESE	5.0	5.37	107.4
NICKEL	40.0	42.59	106.5
POTASSIUM	1000.0	1015.00	101.5
SELENIUM	10.0	10.06	100.6
SILVER	15.0	15.62	104.1
SODIUM	1000.0	1013.00	101.3
THALLIUM	15.0	16.68	111.2
VANADIUM	25.0	26.50	106.0
ZINC	25.0	26.49	106.0

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: PQL

File: IAL07A

Dec 07, 2010

15:29

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	301.90	100.6
ANTIMONY	8.0	6.61	82.6
ARSENIC	8.0	9.55	119.4
BARIUM	5.0	5.17	103.4
BERYLLIUM	5.0	4.97	99.4
CADMIUM	10.0	10.37	103.7
CALCIUM	100.0	97.46	97.5
CHROMIUM	15.0	15.75	105.0
COBALT	30.0	34.41	114.7
COPPER	25.0	25.42	101.7
IRON	100.0	98.13	98.1
LEAD	5.0	5.41	108.2
MAGNESIUM	100.0	110.70	110.7
MANGANESE	5.0	5.52	110.4
NICKEL	40.0	42.04	105.1
POTASSIUM	1000.0	1010.00	101.0
SELENIUM	10.0	10.72	107.2
SILVER	15.0	15.31	102.1
SODIUM	1000.0	1016.00	101.6
THALLIUM	15.0	16.55	110.3
VANADIUM	25.0	26.84	107.4
ZINC	25.0	27.35	109.4

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICB

File: HAL06A Dec 06, 2010 15:32

Analyte	Result	C
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MERCURY	-0.036	I
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SAMPLE: CCB

File: HAL06A Dec 06, 2010 15:57

Analyte	Result	C
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MERCURY	-0.048	I
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SAMPLE: CCB

File: HAL06A Dec 06, 2010 16:23

Analyte	Result	C
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MERCURY	-0.040	I
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INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCB

File: HAL06A Dec 06, 2010 16:44

Analyte	Result	C
MERCURY	-0.041	I

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICB

File: HAL10A Dec 10, 2010 11:19

Analyte	Result	C
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MERCURY	0.020	U
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SAMPLE: CCB

File: HAL10A Dec 10, 2010 11:44

Analyte	Result	C
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MERCURY	-0.023	I
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SAMPLE: CCB

File: HAL10A Dec 10, 2010 12:10

Analyte	Result	C
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MERCURY	0.020	U
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INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ~~ICB~~

File: IAL03A Dec 03, 2010 15:03

SAMPLE: ~~CCB~~

File: IAL03A Dec 03, 2010 15:26

SAMPLE: ~~CCB~~

File: IAL03A Dec 03, 2010 16:21

Analyte	Result	C	Analyte	Result	C	Analyte	Result	C
ALUMINUM	18.040	U	ALUMINUM	18.040	U	ALUMINUM	18.040	U
ANTIMONY	1.960	U	ANTIMONY	1.960	U	ANTIMONY	1.960	U
BARIUM	0.240	U	BARIUM	0.240	U	BARIUM	0.240	U
BERYLLIUM	0.111	I	BERYLLIUM	0.080	U	BERYLLIUM	0.080	U
CADMIUM	0.130	U	CADMIUM	0.130	U	CADMIUM	0.130	U
CALCIUM	11.300	U	CALCIUM	11.300	U	CALCIUM	11.300	U
CHROMIUM	0.410	U	CHROMIUM	0.410	U	CHROMIUM	0.410	U
COBALT	0.220	U	COBALT	0.220	U	COBALT	0.220	U
COPPER	0.610	U	COPPER	0.610	U	COPPER	0.610	U
IRON	4.650	U	IRON	-6.536	I	IRON	4.650	U
LEAD	-1.493	I	LEAD	1.180	U	LEAD	1.180	U
MAGNESIUM	6.760	U	MAGNESIUM	7.655	I	MAGNESIUM	6.760	U
MANGANESE	0.740	U	MANGANESE	0.740	U	MANGANESE	0.740	U
NICKEL	0.440	U	NICKEL	0.440	U	NICKEL	0.440	U
POTASSIUM	55.870	U	POTASSIUM	55.870	U	POTASSIUM	55.870	U
SELENIUM	3.280	U	SELENIUM	3.280	U	SELENIUM	3.280	U
SILVER	0.460	U	SILVER	0.460	U	SILVER	0.460	U
SODIUM	13.460	U	SODIUM	13.460	U	SODIUM	13.460	U
THALLIUM	2.150	U	THALLIUM	2.150	U	THALLIUM	2.150	U
VANADIUM	0.310	U	VANADIUM	0.310	U	VANADIUM	0.310	U
ZINC	0.270	U	ZINC	0.270	U	ZINC	0.270	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ~~CCB~~File: IAL03A ~~Dec 03, 2010 17:15~~SAMPLE: ~~CCB~~File: IAL03A ~~Dec 03, 2010 18:01~~

Analyte	Result	C
ALUMINUM	18.040	U
ANTIMONY	1.960	U
BARIUM	0.240	U
BERYLLIUM	0.080	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.427	I
COBALT	0.220	U
COPPER	0.610	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U
MANGANESE	-0.791	I
NICKEL	0.440	U
POTASSIUM	55.870	U
SELENIUM	3.280	U
SILVER	0.460	U
SODIUM	13.460	U
THALLIUM	2.150	U
VANADIUM	0.310	U
ZINC	0.270	U

Analyte	Result	C
ALUMINUM	18.040	U
ANTIMONY	1.960	U
BARIUM	0.240	U
BERYLLIUM	0.080	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
COBALT	0.220	U
COPPER	0.610	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U
MANGANESE	0.796	I
NICKEL	0.440	U
POTASSIUM	55.870	U
SELENIUM	3.280	U
SILVER	0.460	U
SODIUM	31.830	I
THALLIUM	2.150	U
VANADIUM	0.310	U
ZINC	0.270	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICB

File: IAL07A Dec 07, 2010 15:24

SAMPLE: CCB

File: IAL07A Dec 07, 2010 15:47

SAMPLE: CCB

File: IAL07A Dec 07, 2010 16:42

Analyte	Result	C	Analyte	Result	C	Analyte	Result	C
ALUMINUM	18.040	U	ALUMINUM	18.040	U	ALUMINUM	18.040	U
ANTIMONY	1.960	U	ANTIMONY	1.960	U	ANTIMONY	1.960	U
ARSENIC	1.820	U	ARSENIC	1.820	U	ARSENIC	1.820	U
BARIUM	0.240	U	BARIUM	0.240	U	BARIUM	0.240	U
BERYLLIUM	0.080	U	BERYLLIUM	0.080	U	BERYLLIUM	0.080	U
CADMIUM	0.130	U	CADMIUM	0.130	U	CADMIUM	0.130	U
CALCIUM	11.300	U	CALCIUM	11.300	U	CALCIUM	11.300	U
CHROMIUM	0.410	U	CHROMIUM	0.410	U	CHROMIUM	0.410	U
COBALT	0.331	I	COBALT	0.220	U	COBALT	0.220	U
COPPER	0.610	U	COPPER	0.610	U	COPPER	0.610	U
IRON	4.650	U	IRON	4.650	U	IRON	-4.757	I
LEAD	1.180	U	LEAD	1.180	U	LEAD	1.180	U
MAGNESIUM	6.760	U	MAGNESIUM	10.350	I	MAGNESIUM	6.760	U
MANGANESE	0.740	U	MANGANESE	0.740	U	MANGANESE	1.625	I
NICKEL	0.440	U	NICKEL	0.440	U	NICKEL	0.440	U
POTASSIUM	55.870	U	POTASSIUM	55.870	U	POTASSIUM	55.870	U
SELENIUM	3.280	U	SELENIUM	3.280	U	SELENIUM	3.280	U
SILVER	0.460	U	SILVER	0.460	U	SILVER	0.460	U
SODIUM	13.460	U	SODIUM	13.460	U	SODIUM	13.460	U
THALLIUM	2.150	U	THALLIUM	2.150	U	THALLIUM	2.150	U
VANADIUM	0.310	U	VANADIUM	0.310	U	VANADIUM	0.310	U
ZINC	0.270	U	ZINC	0.270	U	ZINC	0.270	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: CCB

File: IAL07A Dec 07, 2010 17:36

SAMPLE: CCB

File: IAL07A Dec 07, 2010 18:31

Analyte	Result	C
ALUMINUM	18.040	U
ANTIMONY	1.960	U
ARSENIC	1.820	U
BARIUM	0.240	U
BERYLLIUM	0.080	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
COBALT	0.220	U
COPPER	0.610	U
IRON	4.784	I
LEAD	1.180	U
MAGNESIUM	6.760	U
MANGANESE	2.148	I
NICKEL	0.440	U
POTASSIUM	55.870	U
SELENIUM	3.280	U
SILVER	0.460	U
SODIUM	13.460	U
THALLIUM	2.150	U
VANADIUM	0.310	U
ZINC	0.270	U

Analyte	Result	C
ALUMINUM	18.040	U
ANTIMONY	1.960	U
ARSENIC	1.820	U
BARIUM	0.240	U
BERYLLIUM	0.080	U
CADMIUM	0.130	U
CALCIUM	11.300	U
CHROMIUM	0.410	U
COBALT	0.220	U
COPPER	0.610	U
IRON	4.650	U
LEAD	1.180	U
MAGNESIUM	6.760	U
MANGANESE	1.088	I
NICKEL	0.440	U
POTASSIUM	55.870	U
SELENIUM	3.280	U
SILVER	0.460	U
SODIUM	21.110	I
THALLIUM	2.150	U
VANADIUM	0.310	U
ZINC	0.270	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBSAL03ICS0

Matrix: SOIL

SDG Name: CTOJM30-1

QC Batch ID: AL03ICS0

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
ALUMINUM	1.550	U
ANTIMONY	-0.151	I
ARSENIC	0.114	I
BARIUM	0.032	I
BERYLLIUM	0.009	U
CADMIUM	0.008	U
CALCIUM	6.344	I
CHROMIUM	0.043	I
COBALT	0.020	U
COPPER	0.070	U
IRON	2.610	I
LEAD	0.100	U
MAGNESIUM	2.262	I
MANGANESE	0.147	I
NICKEL	0.050	U
POTASSIUM	10.300	U
SELENIUM	0.390	U
SILVER	0.050	U
SODIUM	26.960	I
THALLIUM	0.170	U
VANADIUM	0.040	U
ZINC	0.075	I

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services**Sample ID:** PBSAL09HGS0**Matrix:** SOIL**SDG Name:** CTOJM30-1**QC Batch ID:** AL09HGS0**Concentration Units :** mg/Kgdrywt

Analyte	RESULT	C
MERCURY	-0.003	I

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services**Sample ID:** PBWAL06HGW0**Matrix:** WATER**SDG Name:** CTOJM30-1**QC Batch ID:** AL06HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.040	U

3P
PREPARATION BLANKS

Lab Name: Katahdin Analytical Services

Sample ID: PBWAL06ICW0

Matrix: WATER

SDG Name: CTOJM30-1

QC Batch ID: AL06ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	15.200	U
ANTIMONY	1.500	U
ARSENIC	1.860	U
BARIUM	0.440	U
BERYLLIUM	0.040	U
CADMIUM	0.045	I
CALCIUM	5.790	U
CHROMIUM	0.320	U
COBALT	0.280	U
COPPER	0.480	U
IRON	6.270	U
LEAD	-1.185	I
MAGNESIUM	8.612	I
MANGANESE	0.616	I
NICKEL	0.290	U
POTASSIUM	105.000	U
SELENIUM	3.670	U
SILVER	0.480	U
SODIUM	34.400	U
THALLIUM	0.670	U
VANADIUM	0.390	U
ZINC	0.500	U

Total

Affected Analyte	Sample	Reported Result	Qualifier	Interferent	Interferent level in ICS	Conc. ICS	Interferent Level	Est. Interference	Validation Action	Validation Action
Ar	SBF1-10-12'	3.1		Al	500000	2	16500	0.07	na	na
Ba		4.8			500000	2	16500	0.07	na	na
Cd		0.04			500000	2	16500	0.07	J	na
Cr		10.5			500000	6	16500	0.20	na	na
Co		0.22			500000	-2	16500	-0.07	J	na
Pb		3.6			500000	1	16500	0.03	na	na
Ni		2.1			500000	2	16500	0.07	na	na
Ag		0.03	u		500000	-2	16500	-0.07	na	UJ
Zn		5.7			500000	4	16500	0.13	na	na

Ar	SBF1-10-12'	3.1		Fe	200000	2	8010	0.08	na	na
Ba		4.8			200000	2	8010	0.08	na	na
Cd		0.04			200000	2	8010	0.08	J	na
Cr		10.5			200000	6	8010	0.24	na	na
Co		0.22			200000	-2	8010	-0.08	J	na
Pb		3.6			200000	1	8010	0.04	na	na
Ni		2.1			200000	2	8010	0.08	na	na
Ag		0.03	u		200000	-2	8010	-0.08	na	UJ
Zn		5.7			200000	4	8010	0.16	na	na

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICSA

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SAMPLE: ICSAB

File: IAL07A

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Analyte	TRUE	FOUND	% R
ALUMINUM	500000	522700	104.5
ANTIMONY	0	1	
ARSENIC	0	2	
BARIUM	0	2	
BERYLLIUM	0	0	
CADMIUM	0	2	
CALCIUM	500000	482500	96.5
CHROMIUM	3	6	
COBALT	1	-2	
COPPER	0	0	
IRON	200000	185200	92.6
LEAD	0	1	
MAGNESIUM	500000	450700	90.1
MANGANESE	2	0	
NICKEL	0	2	
POTASSIUM	0	33	
SELENIUM	0	3	
SILVER	0	-2	
SODIUM	0	31	
THALLIUM	0	0	
VANADIUM	0	0	
ZINC	0	4	

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	520000	104.0
ANTIMONY	600	623	103.8
ARSENIC	100	98	98.0
BARIUM	500	467	93.4
BERYLLIUM	500	496	99.2
CADMIUM	1000	923	92.3
CALCIUM	500000	474500	94.9
CHROMIUM	500	477	95.4
COBALT	500	466	93.2
COPPER	500	526	105.2
IRON	200000	183400	91.7
LEAD	50	46	92.0
MAGNESIUM	500000	450500	90.1
MANGANESE	502	467	93.0
NICKEL	1000	892	89.2
POTASSIUM	20000	21280	106.4
SELENIUM	50	46	92.0
SILVER	200	215	107.5
SODIUM	20000	21110	105.6
THALLIUM	100	83	83.0
VANADIUM	500	481	96.2
ZINC	1000	926	92.6

FORM IV - IN

Katahdin Analytical Services 4000042

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services SDG Name: CTOJM30-1

Concentration Units: ug/L

SAMPLE: ICSA

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Analyte	TRUE	FOUND	% R
ALUMINUM	500000	517300	103.5
ANTIMONY	0	-3	
BARIUM	0	2	
BERYLLIUM	0	0	
CADMIUM	0	0	
CALCIUM	500000	481300	96.3
CHROMIUM	3	6	
COBALT	1	-2	
COPPER	0	0	
IRON	200000	186400	93.2
LEAD	0	-2	
MAGNESIUM	500000	458500	91.7
MANGANESE	2	-1	
NICKEL	0	2	
POTASSIUM	0	42	
SELENIUM	0	0	
SILVER	0	-2	
SODIUM	0	27	
THALLIUM	0	1	
VANADIUM	0	-1	
ZINC	0	4	

SAMPLE: ICSAB

File: IAL03A Dec 03, 2010 15:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	526500	105.3
ANTIMONY	600	607	101.2
BARIUM	500	469	93.8
BERYLLIUM	500	494	98.8
CADMIUM	1000	914	91.4
CALCIUM	500000	480600	96.1
CHROMIUM	500	477	95.4
COBALT	500	460	92.0
COPPER	500	527	105.4
IRON	200000	184200	92.1
LEAD	50	47	94.0
MAGNESIUM	500000	456900	91.4
MANGANESE	502	473	94.2
NICKEL	1000	892	89.2
POTASSIUM	20000	21500	107.5
SELENIUM	50	50	100.0
SILVER	200	217	108.5
SODIUM	20000	21310	106.5
THALLIUM	100	84	84.0
VANADIUM	500	475	95.0
ZINC	1000	912	91.2

FORM IV - IN

Katahdin Analytical Services 4000041

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-46-47-11/2010S

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 89.0

Lab Sample ID: SD7209-009P

Concentration Units : mg/Kgdrywt

Analyte	Spiked		Sample		Spike Added	%R	Q	Control Limits (%R)		M
	Sample	Result	Result	C				Low	High	
ALUMINUM, TOTAL	9305.6124		2783.5823		175.58	3714.6		80	120	P
ANTIMONY, TOTAL	3.1262		-0.0169	U	8.78	35.6	J	80	120	P
ARSENIC, TOTAL	8.4391		0.6855	I	8.78	88.3		80	120	P
BARIUM, TOTAL	180.5816		5.2902		175.58	99.8		80	120	P
BERYLLIUM, TOTAL	4.4000		0.0405	I	4.39	99.3		80	120	P
CADMIUM, TOTAL	20.6304		0.0116	I	21.95	93.9		80	120	P
CALCIUM, TOTAL	247.3888		37.4094		219.47	95.7		80	120	P
CHROMIUM, TOTAL	23.0621		3.5206		17.56	111.3		80	120	P
COBALT, TOTAL	42.3405		0.1048	I	43.89	96.2		80	120	P
COPPER, TOTAL	22.2632		0.8769	I	21.95	97.4		80	120	P
IRON, TOTAL	1056.9771		758.3625		87.79	340.1		80	120	P
LEAD, TOTAL	12.1675		3.4994		8.78	98.7		80	120	P
MAGNESIUM, TOTAL	537.0041		62.6527		438.94	108.1		80	120	P
MANGANESE, TOTAL	46.3261		5.5486		43.89	92.9		80	120	P
NICKEL, TOTAL	42.9112		0.6095	I	43.89	96.4		80	120	P
POTASSIUM, TOTAL	1253.6240		192.4441		877.89	120.9	J	80	120	P
SELENIUM, TOTAL	7.7465		-0.0369	U	8.78	88.2		80	120	P
SILVER, TOTAL	4.1717		-0.0368	U	4.39	95.0		80	120	P
SODIUM, TOTAL	652.7975		14.0064	I	658.42	97.0		80	120	P
THALLIUM, TOTAL	8.0494		0.1014	U	8.78	91.7		80	120	P
VANADIUM, TOTAL	45.2815		2.7632		43.89	96.9		80	120	P
ZINC, TOTAL	43.6749		0.9450	I	43.89	97.4		80	120	P

Comments:

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-46-47-11/2010S

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 89.0

Lab Sample ID: SD7209-009S

Concentration Units : mg/Kgdrywt

Analyte	Spiked		Sample		Spike Added	%R	Q	Control Limits (%R)		M
	Sample	Result	Result	C				Low	High	
ALUMINUM, TOTAL	9529.9767		2783.5823		171.56	3932.4		80	120	P
ANTIMONY, TOTAL	2.9679		-0.0169	U	8.58	34.6	J	80	120	P
ARSENIC, TOTAL	8.0915		0.6855	I	8.58	86.3		80	120	P
BARIUM, TOTAL	177.0466		5.2902		171.56	100.1		80	120	P
BERYLLIUM, TOTAL	4.2392		0.0405	I	4.29	97.9		80	120	P
CADMIUM, TOTAL	20.0807		0.0116	I	21.44	93.6		80	120	P
CALCIUM, TOTAL	236.4052		37.4094		214.45	92.8		80	120	P
CHROMIUM, TOTAL	23.5633		3.5206		17.16	116.8		80	120	P
COBALT, TOTAL	41.2594		0.1048	I	42.89	96.0		80	120	P
COPPER, TOTAL	22.1051		0.8769	I	21.44	99.0		80	120	P
IRON, TOTAL	1272.0932		758.3625		85.78	598.9		80	120	P
LEAD, TOTAL	12.0519		3.4994		8.58	99.7		80	120	P
MAGNESIUM, TOTAL	519.8169		62.6527		428.89	106.6		80	120	P
MANGANESE, TOTAL	45.2138		5.5486		42.89	92.5		80	120	P
NICKEL, TOTAL	42.0142		0.6095	I	42.89	96.5		80	120	P
POTASSIUM, TOTAL	1199.1816		192.4441		857.78	117.4		80	120	P
SELENIUM, TOTAL	7.2594		-0.0369	U	8.58	84.6		80	120	P
SILVER, TOTAL	4.0187		-0.0368	U	4.29	93.7		80	120	P
SODIUM, TOTAL	643.2520		14.0064	I	643.34	97.8		80	120	P
THALLIUM, TOTAL	7.6343		0.1014	U	8.58	89.0		80	120	P
VANADIUM, TOTAL	45.5054		2.7632		42.89	99.7		80	120	P
ZINC, TOTAL	42.4860		0.9450	I	42.89	96.9		80	120	P

Comments:

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-46-47'-11/2010S

Matrix: SOIL

SDG Name: CTOJM30-1

Percent Solids: 89.0

Lab Sample ID: SD7209-009A

Concentration Units : ug/L

Analyte	Spiked		Sample		Spike Added	%R	Q	Control Limits (%R)		M
	Sample	Result	C	Result				C	Low	
ALUMINUM, TOTAL	40860.0000			31460.0000		10500	89.5	75	125	P
ANTIMONY, TOTAL	492.9000			-0.1910	U	500	98.6	75	125	P
ARSENIC, TOTAL	493.9000			7.7480	I	500	97.2	75	125	P
BARIUM, TOTAL	549.4000			59.7900		500	97.9	75	125	P
BERYLLIUM, TOTAL	489.4000			0.4572	I	500	97.8	75	125	P
CADMIUM, TOTAL	485.6000			0.1310	I	500	97.1	75	125	P
CALCIUM, TOTAL	5968.0000			422.8000		5500	100.8	75	125	P
CHROMIUM, TOTAL	534.8000			39.7900		500	99.0	75	125	P
COBALT, TOTAL	496.6000			1.1850	I	500	99.1	75	125	P
COPPER, TOTAL	504.4000			9.9110	I	500	98.9	75	125	P
IRON, TOTAL	13880.0000			8571.0000		5500	96.5	75	125	P
LEAD, TOTAL	533.3000			39.5500		500	98.7	75	125	P
MAGNESIUM, TOTAL	6548.0000			708.1000		5500	106.2	75	125	P
MANGANESE, TOTAL	539.7000			62.7100		500	95.4	75	125	P
NICKEL, TOTAL	492.1000			6.8880	I	500	97.0	75	125	P
POTASSIUM, TOTAL	12230.0000			2175.0000		10000	100.6	75	125	P
SELENIUM, TOTAL	490.8000			-0.4170	U	500	98.2	75	125	P
SILVER, TOTAL	496.0000			-0.4160	U	500	99.2	75	125	P
SODIUM, TOTAL	5820.0000			158.3000	I	5500	102.9	75	125	P
THALLIUM, TOTAL	505.6000			1.1460	U	500	101.1	75	125	P
VANADIUM, TOTAL	522.2000			31.2300		500	98.2	75	125	P
ZINC, TOTAL	514.9000			10.6800	I	500	100.8	75	125	P

Comments:

5D
SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services
Matrix: SOIL
Percent Solids: 89.0

Client Field ID: SBA1-46-47'-11/2010
SDG Name: CTOJM30-1
Lab Sample ID: SD7209-009

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C Spike Dup.	Result	C	RPD	Q	M
ALUMINUM, TOTAL		9529.9767		9305.6124		2.4		P
ANTIMONY, TOTAL	0.69	2.9679		3.1262		5.2		P
ARSENIC, TOTAL		8.0915		8.4391		4.2		P
BARIUM, TOTAL		177.0466		180.5816		2.0		P
BERYLLIUM, TOTAL		4.2392		4.4000		3.7		P
CADMIUM, TOTAL		20.0807		20.6304		2.7		P
CALCIUM, TOTAL		236.4052		247.3888		4.5		P
CHROMIUM, TOTAL		23.5633		23.0621		2.1		P
COBALT, TOTAL		41.2594		42.3405		2.6		P
COPPER, TOTAL		22.1051		22.2632		0.7		P
IRON, TOTAL		1272.0932		1056.9771		18.5		P
LEAD, TOTAL		12.0519		12.1675		1.0		P
MAGNESIUM, TOTAL		519.8169		537.0041		3.3		P
MANGANESE, TOTAL		45.2138		46.3261		2.4		P
NICKEL, TOTAL		42.0142		42.9112		2.1		P
POTASSIUM, TOTAL		1199.1816		1253.6240		4.4		P
SELENIUM, TOTAL		7.2594		7.7465		6.5		P
SILVER, TOTAL	1.3	4.0187		4.1717		3.7		P
SODIUM, TOTAL		643.2520		652.7975		1.5		P
THALLIUM, TOTAL		7.6343		8.0494		5.3		P
VANADIUM, TOTAL		45.5054		45.2815		0.5		P
ZINC, TOTAL		42.4860		43.6749		2.8		P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services

Sample ID: LC2WAL06ICW0

Matrix: WATER

SDG Name: CTOJM30-1

QC Batch ID: AL06ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2038.00	101.9	80	120
ANTIMONY	100.0	95.20	95.2	80	120
ARSENIC	100.0	99.06	99.1	80	120
BARIUM	2000.0	2101.00	105.1	80	120
BERYLLIUM	50.0	51.66	103.3	80	120
CADMIUM	250.0	254.50	101.8	80	120
CALCIUM	2500.0	2521.00	100.8	80	120
CHROMIUM	200.0	204.90	102.5	80	120
COBALT	500.0	518.80	103.8	80	120
COPPER	250.0	261.70	104.7	80	120
IRON	1000.0	1015.00	101.5	80	120
LEAD	100.0	104.10	104.1	80	120
MAGNESIUM	5000.0	5149.00	103.0	80	120
MANGANESE	500.0	502.60	100.5	80	120
NICKEL	500.0	518.90	103.8	80	120
POTASSIUM	10000.0	10390.00	103.9	80	120
SELENIUM	100.0	99.17	99.2	80	120
SILVER	50.0	50.96	101.9	80	120
SODIUM	7500.0	7726.00	103.0	80	120
THALLIUM	100.0	97.91	97.9	80	120
VANADIUM	500.0	506.60	101.3	80	120
ZINC	500.0	511.70	102.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services

Sample ID: LCSOAL03ICS0

Matrix: SOIL

SDG Name: CTOJM30-1

QC Batch ID: AL03ICS0

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	200.0	196.30	98.2	80	120
ANTIMONY	10.0	9.02	90.2	80	120
ARSENIC	10.0	10.06	100.6	80	120
BARIUM	200.0	198.30	99.2	80	120
BERYLLIUM	5.0	4.98	99.6	80	120
CADMIUM	25.0	25.38	101.5	80	120
CALCIUM	250.0	253.70	101.5	80	120
CHROMIUM	20.0	19.90	99.5	80	120
COBALT	50.0	51.73	103.5	80	120
COPPER	25.0	24.71	98.8	80	120
IRON	100.0	99.34	99.3	80	120
LEAD	10.0	10.37	103.7	80	120
MAGNESIUM	500.0	513.90	102.8	80	120
MANGANESE	50.0	47.42	94.8	80	120
NICKEL	50.0	50.40	100.8	80	120
POTASSIUM	1000.0	1032.00	103.2	80	120
SELENIUM	10.0	9.97	99.7	80	120
SILVER	5.0	4.89	97.8	80	120
SODIUM	750.0	751.30	100.2	80	120
THALLIUM	10.0	10.01	100.1	80	120
VANADIUM	50.0	47.12	94.2	80	120
ZINC	50.0	51.77	103.5	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services

Sample ID: LCSOAL09HGS0

Matrix: SOIL

SDG Name: CTOJM30-1

QC Batch ID: AL09HGS0

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.22	104.4	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services

Sample ID: LCSWAL06HGWO

Matrix: WATER

SDG Name: CTOJM30-1

QC Batch ID: AL06HGWO

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.54	90.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services

Sample ID: LCSWAL06ICW0

Matrix: WATER

SDG Name: CTOJM30-1

QC Batch ID: AL06ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	2019.00	101.0	80	120
ANTIMONY	100.0	95.28	95.3	80	120
ARSENIC	100.0	100.90	100.9	80	120
BARIUM	2000.0	2089.00	104.5	80	120
BERYLLIUM	50.0	51.99	104.0	80	120
CADMIUM	250.0	253.80	101.5	80	120
CALCIUM	2500.0	2524.00	101.0	80	120
CHROMIUM	200.0	203.40	101.7	80	120
COBALT	500.0	515.90	103.2	80	120
COPPER	250.0	259.00	103.6	80	120
IRON	1000.0	1026.00	102.6	80	120
LEAD	100.0	104.40	104.4	80	120
MAGNESIUM	5000.0	5128.00	102.6	80	120
MANGANESE	500.0	499.80	100.0	80	120
NICKEL	500.0	515.20	103.0	80	120
POTASSIUM	10000.0	10470.00	104.7	80	120
SELENIUM	100.0	97.52	97.5	80	120
SILVER	50.0	50.68	101.4	80	120
SODIUM	7500.0	7708.00	102.8	80	120
THALLIUM	100.0	99.00	99.0	80	120
VANADIUM	500.0	502.70	100.5	80	120
ZINC	500.0	507.00	101.4	80	120

LABORATORY CONTROL SAMPLE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: WATER

SDG Name: CTOJM30-1

QC Batch ID: AL06ICW0

Lab Sample ID: LCSWAL06ICW0

Concentration Units: ug/L

Analyte	Control Limit (%)	LCS Result	LCS Dup. Result	RPD(%)	Q
ALUMINUM	20.0	2019.00	2038.00	0.9	
ANTIMONY	20.0	95.28	95.20	0.1	
ARSENIC	20.0	100.90	99.06	1.8	
BARIUM	20.0	2089.00	2101.00	0.6	
BERYLLIUM	20.0	51.99	51.66	0.6	
CADMIUM	20.0	253.80	254.50	0.3	
CALCIUM	20.0	2524.00	2521.00	0.1	
CHROMIUM	20.0	203.40	204.90	0.7	
COBALT	20.0	515.90	518.80	0.6	
COPPER	20.0	259.00	261.70	1.0	
IRON	20.0	1026.00	1015.00	1.1	
LEAD	20.0	104.40	104.10	0.3	
MAGNESIUM	20.0	5128.00	5149.00	0.4	
MANGANESE	20.0	499.80	502.60	0.6	
NICKEL	20.0	515.20	518.90	0.7	
POTASSIUM	20.0	10470.00	10390.00	0.8	
SELENIUM	20.0	97.52	99.17	1.7	
SILVER	20.0	50.68	50.96	0.6	
SODIUM	20.0	7708.00	7726.00	0.2	
THALLIUM	20.0	99.00	97.91	1.1	
VANADIUM	20.0	502.70	506.60	0.8	
ZINC	20.0	507.00	511.70	0.9	

FORM VIID - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Client Field ID: SBA1-46-47'-11/2010L

Matrix: SOIL

SDG Name: CTOJM30-1

Lab Sample ID: SD7209-009L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
ALUMINUM, TOTAL	31460.00			32050.00		1.9		P
ANTIMONY, TOTAL	-0.19	U		-1.36	U			P
ARSENIC, TOTAL	7.75	I		12.33	I	59.1		P
BARIUM, TOTAL	59.79			61.02		2.1		P
BERYLLIUM, TOTAL	0.46	I		0.48	I	4.3		P
CADMIUM, TOTAL	0.13	I		0.20	U	100.0		P
CALCIUM, TOTAL	422.80			451.60	I	6.8		P
CHROMIUM, TOTAL	39.79			42.19	I	6.0		P
COBALT, TOTAL	1.19	I		0.57	U	100.0		P
COPPER, TOTAL	9.91	I		10.69	I	7.9		P
IRON, TOTAL	8571.00			8800.00		2.7		P
LEAD, TOTAL	39.55			41.08		3.9		P
MAGNESIUM, TOTAL	708.10			701.40		0.9		P
MANGANESE, TOTAL	62.71			68.41		9.1		P
NICKEL, TOTAL	6.89	I		8.25	I	19.7		P
POTASSIUM, TOTAL	2175.00			2312.00	I	6.3		P
SELENIUM, TOTAL	-0.42	U		2.01	U			P
SILVER, TOTAL	-0.42	U		-1.11	U			P
SODIUM, TOTAL	158.30	I		166.20	I	5.0		P
THALLIUM, TOTAL	1.15	U		-1.47	U			P
VANADIUM, TOTAL	31.23			32.96	I	5.5		P
ZINC, TOTAL	10.68	I		28.68	I	168.5		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: H****Instrument Name: CETAC M6100****Date: 9/14/2010**

Analyte	Concentration Units: ug/L		
	CRDL	IDL	M
MERCURY	0.20	0.02	CV

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services

Instrument Code: I

Instrument Name: THERMO ICAP 6500

Date: 9/14/2010

Analyte	Concentration Units: ug/L		
	CRDL	IDL	M
ALUMINUM	300	18.04	P
ANTIMONY	8.0	1.96	P
ARSENIC	8.0	1.82	P
BARIUM	5.0	0.24	P
BERYLLIUM	5.0	0.08	P
CADMIUM	10	0.13	P
CALCIUM	100	11.30	P
CHROMIUM	15	0.41	P
COBALT	30	0.22	P
COPPER	25	0.61	P
IRON	100	4.65	P
LEAD	5.0	1.18	P
MAGNESIUM	100	6.76	P
MANGANESE	5.0	0.74	P
NICKEL	40	0.44	P
POTASSIUM	1000	55.87	P
SELENIUM	10	3.28	P
SILVER	15	0.46	P
SODIUM	1000	13.46	P
THALLIUM	15	2.15	P
VANADIUM	25	0.31	P
ZINC	25	0.27	P

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services

Instrument Code: H

Instrument Name: CETAC M6100

Date: 2/1/2010

Analyte	MDL	Units	M	EPA Prep./Anal. Method
MERCURY	0.001	mg/Kg	CV	SW846 7471A / SW846 7471A

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services**Instrument Code: H****Instrument Name: CETAC M6100****Date: 4/22/2010**

Analyte	MDL	Units	M	EPA Prep./Anal. Method
MERCURY	0.04	ug/L	CV	SW846 7470A / SW846 7470A

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services

Instrument Code: I

Instrument Name: THERMO ICAP 6500

Date: 3/30/2010

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ALUMINUM	15.20	ug/L	P	SW846 3010A / SW846 6010B
ANTIMONY	1.50	ug/L	P	SW846 3010A / SW846 6010B
ARSENIC	1.86	ug/L	P	SW846 3010A / SW846 6010B
BARIUM	0.44	ug/L	P	SW846 3010A / SW846 6010B
BERYLLIUM	0.04	ug/L	P	SW846 3010A / SW846 6010B
CADMIUM	0.04	ug/L	P	SW846 3010A / SW846 6010B
CALCIUM	5.79	ug/L	P	SW846 3010A / SW846 6010B
CHROMIUM	0.32	ug/L	P	SW846 3010A / SW846 6010B
COBALT	0.28	ug/L	P	SW846 3010A / SW846 6010B
COPPER	0.48	ug/L	P	SW846 3010A / SW846 6010B
IRON	6.27	ug/L	P	SW846 3010A / SW846 6010B
LEAD	0.73	ug/L	P	SW846 3010A / SW846 6010B
MAGNESIUM	4.83	ug/L	P	SW846 3010A / SW846 6010B
MANGANESE	0.37	ug/L	P	SW846 3010A / SW846 6010B
NICKEL	0.29	ug/L	P	SW846 3010A / SW846 6010B
POTASSIUM	105.00	ug/L	P	SW846 3010A / SW846 6010B
SELENIUM	3.67	ug/L	P	SW846 3010A / SW846 6010B
SILVER	0.48	ug/L	P	SW846 3010A / SW846 6010B
SODIUM	34.40	ug/L	P	SW846 3010A / SW846 6010B
THALLIUM	0.67	ug/L	P	SW846 3010A / SW846 6010B
VANADIUM	0.39	ug/L	P	SW846 3010A / SW846 6010B
ZINC	0.50	ug/L	P	SW846 3010A / SW846 6010B

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services

Instrument Code: 1

Instrument Name: THERMO ICAP 6500

Date: 3/31/2010

Analyte	MDL	Units	M	EPA Prep./Anal. Method
ALUMINUM	1.55	mg/Kg	P	SW846 3050B / SW846 6010B
ANTIMONY	0.11	mg/Kg	P	SW846 3050B / SW846 6010B
ARSENIC	0.11	mg/Kg	P	SW846 3050B / SW846 6010B
BARIUM	0.03	mg/Kg	P	SW846 3050B / SW846 6010B
BERYLLIUM	0.009	mg/Kg	P	SW846 3050B / SW846 6010B
CADMIUM	0.008	mg/Kg	P	SW846 3050B / SW846 6010B
CALCIUM	1.06	mg/Kg	P	SW846 3050B / SW846 6010B
CHROMIUM	0.03	mg/Kg	P	SW846 3050B / SW846 6010B
COBALT	0.02	mg/Kg	P	SW846 3050B / SW846 6010B
COPPER	0.07	mg/Kg	P	SW846 3050B / SW846 6010B
IRON	0.32	mg/Kg	P	SW846 3050B / SW846 6010B
LEAD	0.10	mg/Kg	P	SW846 3050B / SW846 6010B
MAGNESIUM	0.36	mg/Kg	P	SW846 3050B / SW846 6010B
MANGANESE	0.06	mg/Kg	P	SW846 3050B / SW846 6010B
NICKEL	0.05	mg/Kg	P	SW846 3050B / SW846 6010B
POTASSIUM	10.30	mg/Kg	P	SW846 3050B / SW846 6010B
SELENIUM	0.39	mg/Kg	P	SW846 3050B / SW846 6010B
SILVER	0.05	mg/Kg	P	SW846 3050B / SW846 6010B
SODIUM	1.67	mg/Kg	P	SW846 3050B / SW846 6010B
THALLIUM	0.17	mg/Kg	P	SW846 3050B / SW846 6010B
VANADIUM	0.04	mg/Kg	P	SW846 3050B / SW846 6010B
ZINC	0.06	mg/Kg	P	SW846 3050B / SW846 6010B

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** AL03ICS0**Matrix:** SOIL**SDG Name:** CTOJM30-1**Method:** P**Prep Date:** 12/03/2010

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOAL03ICS0	LCSOAL03ICS0	1	0.1
PBSAL03ICS0	PBSAL03ICS0	1	0.1
SBF1-10-12'-11/2010	SD7209-001	2.04	0.1
SBF1-50-55'-11/2010	SD7209-002	1.21	0.1
SBF1-55-58'-11/2010	SD7209-003	1.67	0.1
SBF1-61-63'-11/2010	SD7209-004	1.48	0.1
SBA1-27-33'-11/2010	SD7209-005	1.31	0.1
SAA1-0-2-11/2010	SD7209-006	2.76	0.1
FD11171001	SD7209-007	1.34	0.1
SBA1-2-4'-11/2010	SD7209-008	1.26	0.1
SBA1-46-47'-11/2010	SD7209-009	1.27	0.1
SBA1-46-47'-11/2010P	SD7209-009P	1.28	0.1
SBA1-46-47'-11/2010S	SD7209-009S	1.31	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** AL06HGW0**Matrix:** WATER**SDG Name:** CTOJM30-1**Method:** CV**Prep Date:** 12/06/2010

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWAL06HGW0	LCSWAL06HGW0	0.025	0.025
PBWAL06HGW0	PBWAL06HGW0	0.025	0.025
RB11171001	SD7209-010	0.025	0.025

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** AL06ICW0**Matrix:** WATER**SDG Name:** CTOJM30-1**Method:** P**Prep Date:** 12/06/2010

Client ID	Lab Sample ID	Initial (L)	Final (L)
LC2WAL06ICW0	LC2WAL06ICW0	0.05	0.05
LCSWAL06ICW0	LCSWAL06ICW0	0.05	0.05
PBWAL06ICW0	PBWAL06ICW0	0.05	0.05
RB11171001	SD7209-010	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services**QC Batch ID:** AL09HGS0**Matrix:** SOIL**SDG Name:** CTOJM30-1**Method:** CV**Prep Date:** 12/09/2010

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOAL09HGS0	LCSOAL09HGS0	0.1	0.1
PBSAL09HGS0	PBSAL09HGS0	0.6	0.1
SBF1-10-12'-11/2010	SD7209-001R	0.63	0.1
SBF1-50-55'-11/2010	SD7209-002R	0.62	0.1
SBF1-55-58'-11/2010	SD7209-003R	0.71	0.1
SBF1-61-63'-11/2010	SD7209-004R	0.62	0.1
SBA1-27-33'-11/2010	SD7209-005R	0.65	0.1
SAA1-0-2-11/2010	SD7209-006R	0.78	0.1
FD11171001	SD7209-007R	0.7	0.1
SBA1-2-4'-11/2010	SD7209-008R	0.7	0.1
SBA1-46-47'-11/2010	SD7209-009R	0.62	0.1

Quality Control Report
Blank Sample Summary Report

Total Solids

<u>Samp Type</u>	<u>QC Batch</u>	<u>Anal. Method</u>	<u>Anal. Date</u>	<u>Prep. Date</u>	<u>Result</u>	<u>PQL</u>	<u>LOD</u>
MBLANK	WG85444	ASTM D2216	22-NOV-10	19-NOV-10	U 1 %	1 %	N/A
MBLANK	WG85445	ASTM D2216	22-NOV-10	19-NOV-10	U 1 %	1 %	N/A

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG85444-2	LCS	WG85444	22-NOV-10	19-NOV-10	%	90	90.	100	80-120	
WG85445-2	LCS	WG85445	22-NOV-10	19-NOV-10	%	90	90.	100	80-120	

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG85445-3	SD7209-2	WG85445	22-NOV-10	%	84.	84.	0	20
WG85445-4	SD7209-9	WG85445	22-NOV-10	%	89.	93.	5	20

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Instrument ID: CETAC M6100

File Name: HAL06A

Date: 12/6/2010

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	15:17	Hg
Standard #1 (0.2 p		1	15:19	Hg
Standard #2 (0.5 p		1	15:21	Hg
Standard #3 (1.0 p		1	15:23	Hg
Standard #4 (5.0 p		1	15:25	Hg
Standard #5 (10.0		1	15:28	Hg
ICV		1	15:30	HG
ICB		1	15:32	HG
PQL		1	15:34	HG
LCSWAL06HGW0		1	15:36	HG
PBWAL06HGW0		1	15:38	HG
ZZZZZZ		1	15:40	
ZZZZZZ		1	15:42	
ZZZZZZ		5	15:44	
ZZZZZZ		1	15:47	
ZZZZZZ		1	15:49	
ZZZZZZ		1	15:51	
ZZZZZZ		5	15:53	
CCV		1	15:55	HG
CCB		1	15:57	HG
ZZZZZZ		1	15:59	
ZZZZZZ		1	16:01	
ZZZZZZ		1	16:03	
ZZZZZZ		1	16:06	
ZZZZZZ		1	16:08	
ZZZZZZ		1	16:10	
ZZZZZZ		1	16:12	
ZZZZZZ		1	16:14	
ZZZZZZ		1	16:16	
ZZZZZZ		1	16:18	
CCV		1	16:21	HG
CCB		1	16:23	HG
ZZZZZZ		1	16:25	
ZZZZZZ		1	16:27	
ZZZZZZ		1	16:29	
ZZZZZZ		1	16:31	
ZZZZZZ		1	16:33	
ZZZZZZ		1	16:35	
ZZZZZZ		1	16:38	
SD7209-010	RB11171001	1	16:40	HG
CCV		1	16:42	HG
CCB		1	16:44	HG

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Instrument ID: CETAC M6100

File Name: HAL10A

Date: 12/10/2010

Method: CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	11:04	Hg
Standard #1 (0.2 p		1	11:06	Hg
Standard #2 (0.5 p		1	11:08	Hg
Standard #3 (1.0 p		1	11:11	Hg
Standard #4 (5.0 p		1	11:13	Hg
Standard #5 (10.0		1	11:15	Hg
ICV		1	11:17	HG
ICB		1	11:19	HG
PQL		1	11:21	HG
LCSOAL09HGS0		1	11:23	HG
PBSAL09HGS0		1	11:25	HG
SD7209-001R	SBF1-10-12'-11/2010R	1	11:27	HG
SD7209-002R	SBF1-50-55'-11/2010R	1	11:30	HG
SD7209-003R	SBF1-55-58'-11/2010R	1	11:32	HG
SD7209-004R	SBF1-61-63'-11/2010R	1	11:34	HG
SD7209-005R	SBA1-27-33'-11/2010R	1	11:36	HG
SD7209-006R	SAA1-0-2-11/2010R	1	11:38	HG
SD7209-007R	FD11171001R	1	11:40	HG
CCV		1	11:42	HG
CCB		1	11:44	HG
SD7209-008R	SBA1-2-4'-11/2010R	1	11:47	HG
SD7209-009R	SBA1-46-47'-11/2010R	1	11:49	HG
ZZZZZ		1	11:51	
ZZZZZ		1	11:53	
ZZZZZ		1	11:55	
ZZZZZ		1	11:57	
ZZZZZ		5	11:59	
ZZZZZ		1	12:01	
ZZZZZ		1	12:04	
ZZZZZ		1	12:06	
CCV		1	12:08	HG
CCB		1	12:10	HG

14
ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Instrument ID: THERMO ICAP 6500

File Name: IAL03A

Date: 12/3/2010

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements									
Blank		1	14:50	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
Std 1		1	14:54	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ICV		1	14:59	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ICB		1	15:03	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
PQL		1	15:08	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ICSA		1	15:12	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ICSAB		1	15:17	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
CCV		1	15:22	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
CCB		1	15:26	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ZZZZZZ		1	15:31										
ZZZZZZ		1	15:35										
ZZZZZZ		1	15:40										
ZZZZZZ		1	15:44										
ZZZZZZ		1	15:49										
ZZZZZZ		5	15:54										
ZZZZZZ		1	15:58										
ZZZZZZ		1	16:03										
ZZZZZZ		1	16:07										
ZZZZZZ		1	16:12										
CCV		1	16:16	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
CCB		1	16:21	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ZZZZZZ		1	16:25										
ZZZZZZ		1	16:30										
ZZZZZZ		1	16:34										
ZZZZZZ		1	16:39										
ZZZZZZ		1	16:44										
ZZZZZZ		1	16:48										
ZZZZZZ		1	16:53										
ZZZZZZ		1	16:57										
ZZZZZZ		1	17:02										
ZZZZZZ		1	17:06										
CCV		1	17:11	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
CCB		1	17:15	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ZZZZZZ		1	17:20										
ZZZZZZ		1	17:25										
ZZZZZZ		1	17:29										
ZZZZZZ		1	17:34										
ZZZZZZ		1	17:39										
PBSAL03ICS0		1	17:43	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
LCSOAL03ICS0		1	17:48	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
ZZZZZZ		1	17:52										
CCV		1	17:57	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		
CCB		1	18:01	AL SB	BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AGNA	TL	V	ZN		

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ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services

SDG Name: CTOJM30-1

Instrument ID: THERMO ICAP 6500

File Name: IAL07A

Date: 12/7/2010

Method: P

Lab Sample ID	Client ID	D.F.	Time	Elements																	
Blank		1	15:11	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
Std.1		1	15:16	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
ICV		1	15:20	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
ICB		1	15:24	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
PQL		1	15:29	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
ICSA		1	15:34	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
ICSAB		1	15:38	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCV		1	15:43	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCB		1	15:47	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
PBSAL03ICSO		1	15:52	AS																	
LCSOAL03ICSO		1	15:56	AS																	
SD7209-001	SBF1-10-12-11/2010	1	16:01	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-002	SBF1-50-55-11/2010	1	16:05	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-003	SBF1-55-58-11/2010	1	16:10	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-004	SBF1-61-63-11/2010	1	16:15	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-005	SBA1-27-33-11/2010	1	16:19	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-006	SAA1-0-2-11/2010	1	16:24	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-007	FD11171001	1	16:28	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-008	SBA1-2-4-11/2010	1	16:33	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCV		1	16:37	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCB		1	16:42	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-009	SBA1-46-47-11/2010	1	16:46	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-009L	SBA1-46-47-11/2010L	5	16:51	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-009A	SBA1-46-47-11/2010A	1	16:55	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-009P	SBA1-46-47-11/2010P	1	17:00	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-009S	SBA1-46-47-11/2010S	1	17:04	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
ZZZZZ		1	17:09																		
ZZZZZ		10	17:13																		
PBWAL06ICW0		1	17:18	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
LCSWAL06ICW0		1	17:23	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
LC2WAL06ICW0		1	17:27	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCV		1	17:32	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCB		1	17:36	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
SD7209-010	RB11171001	1	17:41	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
ZZZZZ		1	17:45																		
ZZZZZ		1	17:50																		
ZZZZZ		1	17:55																		
ZZZZZ		1	17:59																		
ZZZZZ		1	18:04																		
ZZZZZ		1	18:09																		
ZZZZZ		1	18:13																		
ZZZZZ		1	18:17																		
ZZZZZ		1	18:22																		
CCV		1	18:27	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												
CCB		1	18:31	AL SB AS BA BE	CD CA CR CO CU FE PB MGMN	NI K SE	AG NA	TL	V ZN												

SD7209-007

Method Name: K6010-2010
 Analyst Name: HHH
 Acquire Date: 07/12/2010 16:28:41

Method Revision: 618

Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	2056.	ug/L	2.8839	0.1403	5,858.85
Ni2316_A	31.25	ug/L	0.9232	2.9544	31.11
Pb2203_A	232.1	ug/L	0.0943	0.0406	110.36
Sb2068_A	.8940	ug/L	1.3450	150.4424	0.53
Se1960_A	4.022	ug/L	3.2214	80.1025	0.98
Si2516_R	5829.	ug/L	20.9862	0.3600	192.16
Sn1899_A	16.31	ug/L	0.4506	2.7631	3.58
Sr4215_R	545.2	ug/L	2.6234	0.4812	40,119.39
Ti3349_A	1475.	ug/L	0.7525	0.0510	48,747.15
Tl1908_A	.2600	ug/L	0.8834	339.7556	-1.55
V_2924_A	110.1	ug/L	1.0519	0.9558	1,578.15
Zn2062_A	623.5	ug/L	0.2833	0.0454	694.42
Y_3600_R	14917.	Cts/S	111.7014	0.7488	14,917.49
Y_2243_A	3674.4	Cts/S	0.3618	0.0098	3,674.40
Y_3600_A	280610.	Cts/S	62.6782	0.0223	280,612.83

SD7209-008

Method Name: K6010-2010
 Analyst Name: HHH
 Acquire Date: 07/12/2010 16:33:13

Method Revision: 618

Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	.8003	ug/L	0.1696	21.1904	403.02
Al3961_R	108700	ug/L	481.9131	0.4431	73,474.31
As1891_A	20.01	ug/L	0.5918	2.9577	1.71
Au2427_A	-.0745	ug/L	0.3212	430.8813	16.54
B_2089_A	6.887	ug/L	0.1247	1.8106	6.02
Ba4554_R	111.8	ug/L	0.4917	0.4397	7,859.62
Be3130_R	1.176	ug/L	0.0393	3.3413	-3.70
Ca3158_R	6143.	ug/L	28.4032	0.4624	2,515.62
Cd2265_A	.0913	ug/L	0.0921	100.9594	42.04
Co2286_A	5.382	ug/L	0.0961	1.7857	21.20
Cr2677_A	78.25	ug/L	0.2859	0.3653	1,034.50
Cu3273_A	47.28	ug/L	0.2801	0.5923	971.32
Fe2599_R	55260.	ug/L	18.3456	0.0332	9,578.06
K_7664_R	1764.	ug/L	16.7669	0.9505	1,734.71
Li6707_R	50.70	ug/L	0.3628	0.7156	1,018.98
Mg2025_A	2249.	ug/L	6.3639	0.2829	331.83
Mn2576_R	309.5	ug/L	0.8932	0.2886	263.77
Mo2020_A	3.087	ug/L	0.1347	4.3633	4.09
Na5895_R	184.0	ug/L	0.4712	0.2561	575.92
Ni2316_A	29.41	ug/L	0.0317	0.1076	30.18
Pb2203_A	54.99	ug/L	0.9745	1.7720	24.03
Sb2068_A	-.5293	ug/L	0.7447	140.6999	0.28
Se1960_A	-2.663	ug/L	2.2280	83.6687	0.17
Si2516_R	5695.	ug/L	82.7732	1.4534	188.70
Sn1899_A	13.58	ug/L	0.2107	1.5510	3.11
Sr4215_R	28.94	ug/L	0.0805	0.2780	2,128.92
Ti3349_A	1795.	ug/L	2.1548	0.1200	61,035.01
Tl1908_A	-1.554	ug/L	1.1540	74.2669	-1.92
V_2924_A	139.8	ug/L	1.7873	1.2786	2,079.45
Zn2062_A	127.6	ug/L	0.3856	0.3021	148.65
Y_3600_R	14994.	Cts/S	6.3457	0.0423	14,993.72
Y_2243_A	3846.1	Cts/S	2.0581	0.0535	3,846.06
Y_3600_A	288690.	Cts/S	131.8141	0.0457	288,692.59

Sample SBA1-2-4
 Arsenic 1.7 mg/kg
 $(\frac{20.01 \text{ ug}}{1.26 \text{ g}}) (\frac{0.1 \text{ L}}{1.923 \text{ g}}) (\frac{1}{1000}) = 1.72 \text{ mg/kg}$

CCV

Method Name: K6010-2010

Method Revision: 618

are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Volatiles

The following compounds were detected in the method or trip blanks at the maximum concentrations listed below:

<u>Compound</u>	<u>Maximum Concentration</u>	<u>Blank Action Level</u>
Acetone	5.3 ug/kg	53 ug/kg
Toluene	4.2 ug/L	21 ug/L

An action level of 10X the 5X the maximum contaminant concentration was established for acetone and toluene, respectively, to evaluate laboratory contamination. Dilution factors and sample aliquots were taken into consideration during the application of all action levels. The positive acetone results for the soil samples have been qualified as nondetected (U) due to blank contamination.

The initial calibration and continuing calibration had relative response factors (RRFs) less than the 0.05 quality control criteria for 1,4-dioxane. All nondetected results for 1,4-dioxane were rejected, (UR), due to calibration noncompliance.

The initial calibration had a percent relative standard deviation (%RSD) greater than the 15% quality control limit for methylene chloride analyzed on instrument GCMS-C on 11/19/10. The nondetected methylene chloride results for all soil samples have been qualified as estimated (UJ).

The initial calibration had a percent relative standard deviation (%RSD) greater than the 15% quality control limit for acetone analyzed on instrument GCMS-D on 11/18/10. The positive and nondetected acetone results for samples RB11171001 and TB11171001 have been qualified as estimated (J) and (UJ), respectively.

The continuing calibration verification percent difference (%D) was greater than the 20% quality control limit for dichlorodifluoromethane on 11/29/10 @ 09:58, on instrument GCMS-D. Non-detected results reported for dichlorodifluoromethane were qualified as estimated (UJ) for samples RB11171001 and TB11171001.

The laboratory control sample (LCS) associated with batch WG85540 had percent recoveries greater than the quality control limit for bromomethane and toluene. No action was taken on this basis because bromomethane and toluene were not detected in any samples.

Semivolatiles

The initial calibration had a percent relative standard deviation (%RSD) greater than the 15% quality control limit for 4-nitrophenol and benzaldehyde analyzed on instrument GCMS-U on 11/19/10. The nondetected 4-nitrophenol and benzaldehyde results for all soil samples have been qualified as estimated (UJ).

The continuing calibration verification %D was greater than the 20% quality control limit for benzaldehyde on 11/24/10 @ 10:13, on instrument GCMS-U. Non-detected results reported for benzaldehyde were qualified as estimated (UJ) for samples FD11171001, SF-2-SAA1-0-2-11/2010, and SF-2-SBA1-2-4'-11/2010, and SF-2-SBA1-46-47'-11/2010.

The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) associated with preparation batch WG85307 had percent recoveries less than the quality control limit for 3,3'-dichlorobenzidine in the LCS/LCSD and a high recovery for atrazine in the LCS. In addition, the relative percent difference (RPD) for benzaldehyde exceeded the quality control limit. The nondetected results for 3,3'-dichlorobenzidine were qualified as estimated (UJ) in all soil samples. No action was taken on the other compounds because the LCS and/or LCSD had acceptable recoveries.

The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) associated with preparation batch WG85395 had relative percent differences (RPDs) for dimethylphthalate, 2,4-dinitrophenol, and 4-

nitrophenol exceeded the quality control limit. No action was taken on this basis because the compounds had acceptable LCS and LCSD recoveries.

PAH

The initial calibration had a %RSD greater than the 15% quality control limit for acenaphthene analyzed on instrument GCMS-R on 11/23/10. The nondetected acenaphthene results for all samples have been qualified as estimated (UJ).

The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) associated with preparation batch WG85308 had percent recoveries less than the quality control limit for 2-methylnaphthalene in the LCS/LCSD and a low recovery for fluorene in the LCS. The nondetected results for 2-methylnaphthalene were qualified as estimated (UJ) in all soil samples. No action was taken on fluorene because the LCSD had an acceptable recovery.

The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) associated with preparation batch WG85396 had percent recoveries greater than the quality control limit for benzo(a)pyrene in the LCS/LCSD. In addition, the RPDs for naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene exceeded the quality control limit. No action was taken on this basis because benzo(a)pyrene was not detected in the associated sample and the LCS/LCSD had acceptable recoveries for naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

Pesticides

The surrogate decachlorobiphenyl had a percent recovery greater than the quality control limit for sample SF-2-SBA1-2-4'-11/2010 on the primary column. No action was taken on this basis because all other surrogate recoveries had acceptable recoveries.

The laboratory control sample / laboratory control sample duplicate (LCS/LCSD) associated with preparation batch WG85427 had percent recoveries greater than the quality control limit for endosulfan I, and endosulfan II in the LCS/LCSD and high recoveries for alpha-BHC and endosulfan sulfate in the LCS. No action was taken on this basis because all results were nondetect in the associated sample.

The relative percent difference (RPD) between columns exceeded 40% for the following compounds. The positive results were reported as estimated, (J) for the compounds below:

<u>Sample</u>	<u>Compound</u>	<u>%D</u>
FD11171001	4,4'-DDD	44.2%
SF-2-SBA1-27-33'-11/2010	4,4'-DDE	43.2%
	4,4'-DDT	47.3%

PCB

The surrogate tetrachloro-m-xylene had percent recoveries less than the quality control limit for samples FD11171001, SF-2-SBA1-27-33'-11/2010, SF-2-SBA1-46-47'-11/2010, SF-2-SBF1-10-12'-11/2010, SF-2-SBF1-50-55'-11/2010, SF-2-SBF1-55-58'-11/2010, and SF-2-SBF1-61-63'-11/2010 on the primary column and secondary columns. The nondetected results for the aforementioned samples were qualified as estimated (UJ).

The surrogate tetrachloro-m-xylene had a percent recovery less than the quality control limit for sample SF-2-SAA1-0-2-11/2010 on the primary column. No action was taken on this basis because all other surrogate recoveries had acceptable recoveries.

Florida-PRO

The surrogates n-triacontane-d62 and o-terphenyl had percent recoveries greater than the quality control limit for sample SF-2-SBA1-27-33'-11/2010. The positive result for sample SF-2-SBA1-27-33'-11/2010 has been qualified as estimated (J).

The continuing calibration verification %Ds were greater than the 25% quality control limit for all carbon peaks between C8 and C40 on 12/09/10 @ 02:58, on instrument GC12. The positive and nondetected results for all samples except SF-2-SBA1-46-47'-11/2010 and RB11171001 were qualified as estimated (J) and (UJ), respectively.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Blank contamination in the VOC fraction resulted in qualification of acetone data. Initial or continuing calibration RRF, %D, or %RSD noncompliances resulted in the qualification of data for VOC, SVOC, PAH, and FL-PRO fractions. LCS recovery noncompliances resulted in the qualification of data for SVOC and PAH fractions. Surrogate recovery noncompliances resulted in the qualification of data for PCB and FL-Pro fractions.

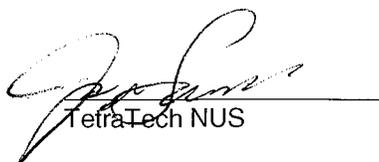
Other Factors Affecting Data Quality: Percent differences between columns resulted in qualification of PEST fraction data.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999), and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.



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Edward Sedlmyer
Chemist/Data Validator



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Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = GFAA PDS - GFAA MSA's $r < 0.995$ / ICP PDS Recovery Noncompliance
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (e.g. base-line drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = % Difference between columns/detectors $>25\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $<30\%$
- Z = Uncertainty at 2 sigma deviation is greater than sample activity

PARAMETER	RESULT	VQL	QLCD									
1,1,1-TRICHLOROETHANE	0.38	U		0.46	U		0.34	U		0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.76	U		0.92	U		0.68	U		1	U	
1,1,2-TRICHLOROETHANE	0.87	U		1.1	U		0.78	U		1.2	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	0.81	U		0.99	U		0.73	U		1.1	U	
1,1-DICHLOROETHANE	1.5	U		1.9	U		1.4	U		2	U	
1,1-DICHLOROETHENE	0.84	U		1	U		0.75	U		1.1	U	
1,2,3-TRICHLOROBENZENE	0.68	U		0.84	U		0.62	U		0.91	U	
1,2,4-TRICHLOROBENZENE	0.71	U		0.87	U		0.64	U		0.95	U	
1,2-DIBROMO-3-CHLOROPROPANE	1.4	U		1.6	U		1.2	U		1.8	U	
1,2-DIBROMOETHANE	1.1	U		1.3	U		0.97	U		1.4	U	
1,2-DICHLOROBENZENE	0.7	U		0.86	U		0.63	U		0.94	U	
1,2-DICHLOROETHANE	0.9	U		1.1	U		0.81	U		1.2	U	
1,2-DICHLOROPROPANE	1.3	U		1.5	U		1.1	U		1.7	U	
1,3-DICHLOROBENZENE	0.56	U		0.68	U		0.5	U		0.74	U	
1,4-DICHLOROBENZENE	0.4	U		0.48	U		0.36	U		0.53	U	
1,4-DIOXANE	30	UR	C	36	UR	C	27	UR	C	40	UR	C
2-BUTANONE	5.3	U		6.5	U		4.8	U		7.1	U	
2-HEXANONE	4.3	U		5.3	U		3.9	U		5.8	U	
4-METHYL-2-PENTANONE	5.3	U		6.5	U		4.8	U		7.1	U	
ACETONE	7.4	U	B	9.9	U	B	5.4	U	B	7.1	U	B
BENZENE	0.83	U		1	U		0.74	U		1.1	U	
BROMOCHLOROMETHANE	0.82	U		1	U		0.74	U		1.1	U	
BROMODICHLOROMETHANE	0.54	U		0.66	U		0.49	U		0.72	U	
BROMOFORM	0.63	U		0.77	U		0.57	U		0.84	U	
BROMOMETHANE	0.99	U		1.2	U		0.89	U		1.3	U	
CARBON DISULFIDE	0.7	U		0.86	U		0.63	U		0.94	U	
CARBON TETRACHLORIDE	1.2	U		1.4	U		1	U		1.6	U	
CHLOROBENZENE	0.46	U		0.56	U		0.41	U		0.61	U	
CHLORODIBROMOMETHANE	0.9	U		1.1	U		0.81	U		1.2	U	
CHLOROETHANE	1.2	U		1.4	U		1	U		1.6	U	
CHLOROFORM	0.32	U		0.38	U		0.28	U		0.42	U	
CHLOROMETHANE	1.3	U		1.5	U		1.1	U		1.7	U	
CIS-1,2-DICHLOROETHENE	0.82	U		1	U		0.74	U		1.1	U	
CIS-1,3-DICHLOROPROPENE	0.65	U		0.79	U		0.58	U		0.86	U	
CYCLOHEXANE	1.3	U		1.5	U		1.1	U		1.7	U	

PROJ_NO: 02760	NSAMPLE	SF-2-SBA1-46-47'-11/2010			SF-2-SBF1-10-12'-11/2010			SF-2-SBF1-50-55'-11/2010			SF-2-SBF1-55-58'-11/2010		
SDG: CTOJM30-1	LAB_ID	SD7209-9			SD7209-1RA			SD7209-2RA2			SD7209-3		
FRACTION: OV	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	0.46	U		0.37	U		0.39	U		0.42	U		
1,1,2,2-TETRACHLOROETHANE	0.92	U		0.75	U		0.77	U		0.84	U		
1,1,2-TRICHLOROETHANE	1.1	U		0.86	U		0.89	U		0.97	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	0.99	U		0.8	U		0.83	U		0.9	U		
1,1-DICHLOROETHANE	1.9	U		1.5	U		1.6	U		1.7	U		
1,1-DICHLOROETHENE	1	U		0.83	U		0.86	U		0.93	U		
1,2,3-TRICHLOROBENZENE	0.84	U		0.68	U		0.7	U		0.76	U		
1,2,4-TRICHLOROBENZENE	0.87	U		0.7	U		0.73	U		0.79	U		
1,2-DIBROMO-3-CHLOROPROPANE	1.6	U		1.3	U		1.4	U		1.5	U		
1,2-DIBROMOETHANE	1.3	U		1.1	U		1.1	U		1.2	U		
1,2-DICHLOROBENZENE	0.86	U		0.69	U		0.72	U		0.78	U		
1,2-DICHLOROETHANE	1.1	U		0.89	U		0.92	U		1	U		
1,2-DICHLOROPROPANE	1.5	U		1.2	U		1.3	U		1.4	U		
1,3-DICHLOROBENZENE	0.68	U		0.55	U		0.57	U		0.62	U		
1,4-DICHLOROBENZENE	0.48	U		0.39	U		0.4	U		0.44	U		
1,4-DIOXANE	36	UR	C	29	UR	C	30	UR	C	33	UR	C	
2-BUTANONE	6.5	U		5.2	U		5.4	U		5.9	U		
2-HEXANONE	5.3	U		4.3	U		4.4	U		4.8	U		
4-METHYL-2-PENTANONE	6.5	U		5.2	U		5.4	U		5.9	U		
ACETONE	7.7	U	B	6.2	U	B	6.1	U	B	7.4	U	B	
BENZENE	1	U		0.82	U		0.85	U		0.92	U		
BROMOCHLOROMETHANE	1	U		0.81	U		0.84	U		0.91	U		
BROMODICHLOROMETHANE	0.66	U		0.53	U		0.55	U		0.6	U		
BROMOFORM	0.77	U		0.62	U		0.64	U		0.7	U		
BROMOMETHANE	1.2	U		0.98	U		1	U		1.1	U		
CARBON DISULFIDE	0.86	U		0.69	U		0.72	U		0.78	U		
CARBON TETRACHLORIDE	1.4	U		1.2	U		1.2	U		1.3	U		
CHLOROBENZENE	0.56	U		0.45	U		0.47	U		0.51	U		
CHLORODIBROMOMETHANE	1.1	U		0.89	U		0.92	U		1	U		
CHLOROETHANE	1.4	U		1.2	U		1.2	U		1.3	U		
CHLOROFORM	0.38	U		0.31	U		0.32	U		0.35	U		
CHLOROMETHANE	1.5	U		1.2	U		1.3	U		1.4	U		
CIS-1,2-DICHLOROETHENE	1	U		0.81	U		0.84	U		0.91	U		
CIS-1,3-DICHLOROPROPENE	0.79	U		0.64	U		0.66	U		0.72	U		
CYCLOHEXANE	1.5	U		1.2	U		1.3	U		1.4	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010			TRIP BLANK FOR SOIL		
	LAB_ID	SD7209-4			SD7209-12		
	SAMP_DATE	11/17/2010			11/17/2010		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	83.1			100.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	0.37	U		0.42	U		
1,1,2,2-TETRACHLOROETHANE	0.74	U		0.84	U		
1,1,2-TRICHLOROETHANE	0.85	U		0.97	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	0.79	U		0.9	U		
1,1-DICHLOROETHANE	1.5	U		1.7	U		
1,1-DICHLOROETHENE	0.82	U		0.93	U		
1,2,3-TRICHLOROENZENE	0.67	U		0.76	U		
1,2,4-TRICHLOROENZENE	0.7	U		0.79	U		
1,2-DIBROMO-3-CHLOROPROPANE	1.3	U		1.5	U		
1,2-DIBROMOETHANE	1	U		1.2	U		
1,2-DICHLOROENZENE	0.69	U		0.78	U		
1,2-DICHLOROETHANE	0.88	U		1	U		
1,2-DICHLOROPROPANE	1.2	U		1.4	U		
1,3-DICHLOROENZENE	0.54	U		0.62	U		
1,4-DICHLOROENZENE	0.39	U		0.44	U		
1,4-DIOXANE	29	UR	C	33	UR	C	
2-BUTANONE	5.2	U		5.9	U		
2-HEXANONE	4.2	U		4.8	U		
4-METHYL-2-PENTANONE	5.2	U		5.9	U		
ACETONE	4.5	U		5.3	J	P	
BENZENE	0.81	U		0.92	U		
BROMOCHLOROMETHANE	0.8	U		0.91	U		
BROMODICHLOROMETHANE	0.53	U		0.6	U		
BROMOFORM	0.62	U		0.7	U		
BROMOMETHANE	0.97	U		1.1	U		
CARBON DISULFIDE	0.69	U		0.78	U		
CARBON TETRACHLORIDE	1.1	U		1.3	U		
CHLOROENZENE	0.45	U		0.51	U		
CHLORODIBROMOMETHANE	0.88	U		1	U		
CHLOROETHANE	1.1	U		1.3	U		
CHLOROFORM	0.31	U		0.35	U		
CHLOROMETHANE	1.2	U		1.4	U		
CIS-1,2-DICHLOROETHENE	0.8	U		0.91	U		
CIS-1,3-DICHLOROPROPENE	0.63	U		0.72	U		
CYCLOHEXANE	1.2	U		1.4	U		

PARAMETER	RESULT	VQL	QLCD									
DICHLORODIFLUOROMETHANE	0.83	U		1	U		0.74	U		1.1	U	
ETHYLBENZENE	0.58	U		0.72	U		0.53	U		0.78	U	
ISOPROPYLBENZENE	0.83	U		1	U		0.74	U		1.1	U	
M+P-XYLENES	1.5	U		1.9	U		1.4	U		2	U	
METHYL ACETATE	2.4	U		3	U		2.2	U		3.2	U	
METHYL CYCLOHEXANE	0.86	U		1	U		0.78	U		1.2	U	
METHYL TERT-BUTYL ETHER	0.99	U		1.2	U		0.89	U		1.3	U	
METHYLENE CHLORIDE	7.1	UJ	C	8.7	UJ	C	6.4	UJ	C	9.5	UJ	C
O-XYLENE	1.2	U		1.4	U		1	U		1.6	U	
STYRENE	0.46	U		0.56	U		0.41	U		0.61	U	
TETRACHLOROETHENE	1.1	U		1.3	U		1	J	P	1.4	U	
TOLUENE	1.3	U		1.5	U		1.1	U		1.7	U	
TRANS-1,2-DICHLOROETHENE	0.64	U		0.78	U		0.58	U		0.85	U	
TRANS-1,3-DICHLOROPROPENE	0.77	U		0.95	U		0.7	U		1	U	
TRICHLOROETHENE	0.53	U		0.65	U		0.48	U		0.71	U	
TRICHLOROFLUOROMETHANE	0.82	U		1	U		0.74	U		1.1	U	
VINYL CHLORIDE	0.78	U		0.96	U		0.7	U		1	U	

PARAMETER	RESULT	VQL	QLCD									
DICHLORODIFLUOROMETHANE	1	U		0.82	U		0.85	U		0.92	U	
ETHYLBENZENE	0.72	U		0.58	U		0.6	U		0.65	U	
ISOPROPYLBENZENE	1	U		0.82	U		0.85	U		0.92	U	
M+P-XYLENES	1.9	U		1.5	U		1.6	U		1.7	U	
METHYL ACETATE	3	U		2.4	U		2.5	U		2.7	U	
METHYL CYCLOHEXANE	1	U		0.85	U		0.88	U		0.96	U	
METHYL TERT-BUTYL ETHER	1.2	U		0.98	U		1	U		1.1	U	
METHYLENE CHLORIDE	8.7	UJ	C	7	UJ	C	7.3	UJ	C	7.9	UJ	C
O-XYLENE	1.4	U		1.2	U		1.2	U		1.3	U	
STYRENE	0.56	U		0.45	U		0.47	U		0.51	U	
TETRACHLOROETHENE	1.4	J	P	1.3	J	P	1.3	J	P	1.2	U	
TOLUENE	1.5	U		1.2	U		1.3	U		1.4	U	
TRANS-1,2-DICHLOROETHENE	0.78	U		0.63	U		0.65	U		0.71	U	
TRANS-1,3-DICHLOROPROPENE	0.95	U		0.76	U		0.79	U		0.86	U	
TRICHLOROETHENE	0.65	U		0.52	U		0.54	U		0.59	U	
TRICHLOROFLUOROMETHANE	1	U		0.81	U		0.84	U		0.91	U	
VINYL CHLORIDE	0.96	U		0.77	U		0.8	U		0.87	U	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OV MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63-11/2010			TRIP BLANK FOR SOIL		
	LAB_ID	SD7209-4			SD7209-12		
	SAMP_DATE	11/17/2010			11/17/2010		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	83.1			100.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
DICHLORODIFLUOROMETHANE	0.81 U			0.92 U			
ETHYLBENZENE	0.57 U			0.65 U			
ISOPROPYLBENZENE	0.81 U			0.92 U			
M+P-XYLENES	1.5 U			1.7 U			
METHYL ACETATE	2.4 U			2.7 U			
METHYL CYCLOHEXANE	0.84 U			0.96 U			
METHYL TERT-BUTYL ETHER	0.97 U			1.1 U			
METHYLENE CHLORIDE	7 UJ		C	7.9 UJ		C	
O-XYLENE	1.1 U			1.3 U			
STYRENE	0.45 U			0.51 U			
TETRACHLOROETHENE	1 U			1.2 U			
TOLUENE	1.2 U			1.4 U			
TRANS-1,2-DICHLOROETHENE	0.62 U			0.71 U			
TRANS-1,3-DICHLOROPROPENE	0.76 U			0.86 U			
TRICHLOROETHENE	0.52 U			0.59 U			
TRICHLOROFLUOROMETHANE	0.8 U			0.91 U			
VINYL CHLORIDE	0.76 U			0.87 U			

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OV MEDIA: WATER	NSAMPLE	RB11171001			TB11171001		
	LAB_ID	SD7209-10			SD7209-11		
	SAMP_DATE	11/17/2010			11/17/2010		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	0.2	U		0.2	U		
1,1,2,2-TETRACHLOROETHANE	0.38	U		0.38	U		
1,1,2-TRICHLOROETHANE	0.33	U		0.33	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	0.31	U		0.31	U		
1,1-DICHLOROETHANE	0.21	U		0.21	U		
1,1-DICHLOROETHENE	0.35	U		0.35	U		
1,2,3-TRICHLOROBENZENE	0.2	U		0.2	U		
1,2,4-TRICHLOROBENZENE	0.37	U		0.37	U		
1,2-DIBROMO-3-CHLOROPROPANE	0.5	U		0.5	U		
1,2-DIBROMOETHANE	0.22	U		0.22	U		
1,2-DICHLOROBENZENE	0.15	U		0.15	U		
1,2-DICHLOROETHANE	0.2	U		0.2	U		
1,2-DICHLOROPROPANE	0.25	U		0.25	U		
1,3-DICHLOROBENZENE	0.26	U		0.26	U		
1,4-DICHLOROBENZENE	0.24	U		0.24	U		
1,4-DIOXANE	8.8	U		8.8	U		
2-BUTANONE	1.3	U		1.3	U		
2-HEXANONE	1.7	U		1.7	U		
4-METHYL-2-PENTANONE	1.3	U		1.3	U		
ACETONE	15	J	C	2.2	UJ	C	
BENZENE	0.26	U		0.26	U		
BROMOCHLOROMETHANE	0.21	U		0.21	U		
BROMODICHLOROMETHANE	0.33	U		0.33	U		
BROMOFORM	0.23	U		0.23	U		
BROMOMETHANE	0.49	U		0.49	U		
CARBON DISULFIDE	0.25	U		0.25	U		
CARBON TETRACHLORIDE	0.22	U		0.22	U		
CHLOROBENZENE	0.22	U		0.22	U		
CHLORODIBROMOMETHANE	0.3	U		0.3	U		
CHLOROETHANE	0.55	U		0.55	U		
CHLOROFORM	0.66	J	P	0.32	U		
CHLOROMETHANE	0.36	U		0.36	U		
CIS-1,2-DICHLOROETHENE	0.21	U		0.21	U		
CIS-1,3-DICHLOROPROPENE	0.19	U		0.19	U		
CYCLOHEXANE	0.31	U		0.31	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OV MEDIA: WATER	NSAMPLE	RB11171001			TB11171001		
	LAB_ID	SD7209-10			SD7209-11		
	SAMP_DATE	11/17/2010			11/17/2010		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
DICHLORODIFLUOROMETHANE	0.24	UJ	C	0.24	UJ	C	
ETHYLBENZENE	0.21	U		0.21	U		
ISOPROPYLBENZENE	0.23	U		0.23	U		
M+P-XYLENES	0.59	U		0.59	U		
METHYL ACETATE	0.53	U		0.53	U		
METHYL CYCLOHEXANE	0.3	U		0.3	U		
METHYL TERT-BUTYL ETHER	0.36	U		0.36	U		
METHYLENE CHLORIDE	3.1	J	P	1.1	U		
O-XYLENE	0.25	U		0.25	U		
STYRENE	0.23	U		0.23	U		
TETRACHLOROETHENE	0.4	U		0.4	U		
TOLUENE	0.27	U		0.27	U		
TRANS-1,2-DICHLOROETHENE	0.25	U		0.25	U		
TRANS-1,3-DICHLOROPROPENE	0.2	U		0.2	U		
TRICHLOROETHENE	0.28	U		0.28	U		
TRICHLOROFLUOROMETHANE	0.24	U		0.24	U		
VINYL CHLORIDE	0.25	U		0.25	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-7			SD7209-6			SD7209-8			SD7209-5		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1-BIPHENYL	76	U		92	U		72	U		81	U		
1,2,4,5-TETRACHLOROBENZENE	140	U		170	U		130	U		150	U		
2,2'-OXYBIS(1-CHLOROPROPANE)	93	U		110	U		87	U		99	U		
2,3,4,6-TETRACHLOROPHENOL	150	U		180	U		140	U		160	U		
2,4,5-TRICHLOROPHENOL	160	U		200	U		150	U		170	U		
2,4,6-TRICHLOROPHENOL	160	U		200	U		150	U		170	U		
2,4-DICHLOROPHENOL	160	U		190	U		150	U		170	U		
2,4-DIMETHYLPHENOL	170	U		210	U		160	U		180	U		
2,4-DINITROPHENOL	390	U		480	U		370	U		420	U		
2,4-DINITROTOLUENE	89	U		110	U		83	U		95	U		
2,6-DINITROTOLUENE	83	U		100	U		78	U		88	U		
2-CHLORONAPHTHALENE	91	U		110	U		85	U		97	U		
2-CHLOROPHENOL	170	U		210	U		160	U		180	U		
2-METHYLPHENOL	210	U		250	U		200	U		220	U		
2-NITROANILINE	78	U		95	U		74	U		84	U		
2-NITROPHENOL	170	U		210	U		160	U		190	U		
3&4-METHYLPHENOL	200	U		240	U		180	U		210	U		
3,3'-DICHLOROBENZIDINE	120	UJ	E	140	UJ	E	110	UJ	E	130	UJ	E	
3-NITROANILINE	98	U		120	U		92	U		100	U		
4,6-DINITRO-2-METHYLPHENOL	350	U		420	U		330	U		380	U		
4-BROMOPHENYL PHENYL ETHER	89	U		110	U		83	U		95	U		
4-CHLORO-3-METHYLPHENOL	170	U		210	U		160	U		180	U		
4-CHLOROANILINE	120	U		150	U		120	U		130	U		
4-CHLOROPHENYL PHENYL ETHER	82	U		98	U		77	U		87	U		
4-NITROANILINE	140	U		170	U		130	U		150	U		
4-NITROPHENOL	320	UJ	C	390	UJ	C	300	UJ	C	340	UJ	C	
ACETOPHENONE	190	U		220	U		170	U		200	U		
ATRAZINE	95	U		110	U		89	U		100	U		
BENZALDEHYDE	120	UJ	C	150	UJ	C	120	UJ	C	130	UJ	C	
BIS(2-CHLOROETHOXY)METHANE	100	U		120	U		94	U		110	U		
BIS(2-CHLOROETHYL)ETHER	85	U		100	U		80	U		90	U		
BIS(2-ETHYLHEXYL)PHTHALATE	100	U		120	U		96	U		110	U		
BUTYL BENZYL PHTHALATE	97	U		120	U		91	U		100	U		
CAPROLACTAM	150	U		180	U		140	U		160	U		
CARBAZOLE	120	U		140	U		110	U		120	U		

PROJ_NO: 02760	NSAMPLE	SF-2-SBA1-46-47'-11/2010			SF-2-SBF1-10-12'-11/2010			SF-2-SBF1-50-55'-11/2010			SF-2-SBF1-55-58'-11/2010		
SDG: CTOJM30-1	LAB_ID	SD7209-9			SD7209-1			SD7209-2			SD7209-3		
FRACTION: OS	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1-BIPHENYL	81	U		78	U		85	U		88	U		
1,2,4,5-TETRACHLOROBENZENE	150	U		140	U		160	U		160	U		
2,2'-OXYBIS(1-CHLOROPROPANE)	99	U		96	U		100	U		110	U		
2,3,4,6-TETRACHLOROPHENOL	160	U		150	U		160	U		170	U		
2,4,5-TRICHLOROPHENOL	170	U		170	U		180	U		190	U		
2,4,6-TRICHLOROPHENOL	170	U		170	U		180	U		190	U		
2,4-DICHLOROPHENOL	170	U		160	U		170	U		180	U		
2,4-DIMETHYLPHENOL	180	U		180	U		190	U		200	U		
2,4-DINITROPHENOL	420	U		400	U		440	U		450	U		
2,4-DINITROTOLUENE	94	U		91	U		99	U		100	U		
2,6-DINITROTOLUENE	88	U		85	U		92	U		95	U		
2-CHLORONAPHTHALENE	97	U		93	U		100	U		100	U		
2-CHLOROPHENOL	180	U		180	U		190	U		200	U		
2-METHYLPHENOL	220	U		210	U		230	U		240	U		
2-NITROANILINE	83	U		80	U		87	U		90	U		
2-NITROPHENOL	180	U		180	U		190	U		200	U		
3&4-METHYLPHENOL	210	U		200	U		220	U		220	U		
3,3'-DICHLOROBENZIDINE	130	UJ	E	120	UJ	E	130	UJ	E	140	UJ	E	
3-NITROANILINE	100	U		100	U		110	U		110	U		
4,6-DINITRO-2-METHYLPHENOL	370	U		360	U		390	U		400	U		
4-BROMOPHENYL PHENYL ETHER	94	U		91	U		99	U		100	U		
4-CHLORO-3-METHYLPHENOL	180	U		180	U		190	U		200	U		
4-CHLOROANILINE	130	U		130	U		140	U		140	U		
4-CHLOROPHENYL PHENYL ETHER	87	U		84	U		91	U		94	U		
4-NITROANILINE	150	U		140	U		160	U		160	U		
4-NITROPHENOL	340	UJ	C	330	UJ	C	360	UJ	C	370	UJ	C	
ACETOPHENONE	200	U		190	U		210	U		210	U		
ATRAZINE	100	U		98	U		100	U		110	U		
BENZALDEHYDE	130	UJ	C	130	UJ	C	140	UJ	C	140	UJ	C	
BIS(2-CHLOROETHOXY)METHANE	110	U		100	U		110	U		120	U		
BIS(2-CHLOROETHYL)ETHER	90	U		87	U		94	U		97	U		
BIS(2-ETHYLHEXYL)PHTHALATE	110	U		100	U		110	U		120	U		
BUTYL BENZYL PHTHALATE	100	U		100	U		110	U		110	U		
CAPROLACTAM	160	U		150	U		170	U		170	U		
CARBAZOLE	120	U		120	U		130	U		130	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-4		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1,1-BIPHENYL	84	U		
1,2,4,5-TETRACHLOROBENZENE	160	U		
2,2'-OXYBIS(1-CHLOROPROPANE)	100	U		
2,3,4,6-TETRACHLOROPHENOL	160	U		
2,4,5-TRICHLOROPHENOL	180	U		
2,4,6-TRICHLOROPHENOL	180	U		
2,4-DICHLOROPHENOL	170	U		
2,4-DIMETHYLPHENOL	190	U		
2,4-DINITROPHENOL	440	U		
2,4-DINITROTOLUENE	98	U		
2,6-DINITROTOLUENE	91	U		
2-CHLORONAPHTHALENE	100	U		
2-CHLOROPHENOL	190	U		
2-METHYLPHENOL	230	U		
2-NITROANILINE	87	U		
2-NITROPHENOL	190	U		
3&4-METHYLPHENOL	220	U		
3,3'-DICHLOROENZIDINE	130	UJ	E	
3-NITROANILINE	110	U		
4,6-DINITRO-2-METHYLPHENOL	390	U		
4-BROMOPHENYL PHENYL ETHER	98	U		
4-CHLORO-3-METHYLPHENOL	190	U		
4-CHLOROANILINE	140	U		
4-CHLOROPHENYL PHENYL ETHER	90	U		
4-NITROANILINE	150	U		
4-NITROPHENOL	360	UJ	C	
ACETOPHENONE	200	U		
ATRAZINE	100	U		
BENZALDEHYDE	140	UJ	C	
BIS(2-CHLOROETHOXY)METHANE	110	U		
BIS(2-CHLOROETHYL)ETHER	94	U		
BIS(2-ETHYLHEXYL)PHTHALATE	110	U		
BUTYL BENZYL PHTHALATE	110	U		
CAPROLACTAM	170	U		
CARBAZOLE	130	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-7			SD7209-6			SD7209-8			SD7209-5		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
DIBENZOFURAN	83	U		100	U		78	U		88	U		
DIETHYL PHTHALATE	84	U		100	U		78	U		89	U		
DIMETHYL PHTHALATE	82	U		98	U		77	U		87	U		
DI-N-BUTYL PHTHALATE	100	U		130	U		99	U		110	U		
DI-N-OCTYL PHTHALATE	220	U		270	U		210	U		240	U		
HEXACHLOROBENZENE	86	U		100	U		80	U		92	U		
HEXACHLOROBUTADIENE	87	U		100	U		82	U		93	U		
HEXACHLOROCYCLOPENTADIENE	86	U		100	U		80	U		92	U		
HEXACHLOROETHANE	100	U		120	U		94	U		110	U		
ISOPHORONE	78	U		95	U		74	U		84	U		
NITROBENZENE	95	U		110	U		89	U		100	U		
N-NITROSO-DI-N-PROPYLAMINE	87	U		100	U		82	U		93	U		
N-NITROSODIPHENYLAMINE	230	U		280	U		220	U		240	U		
PENTACHLOROPHENOL	250	U		300	U		230	U		260	U		
PHENOL	160	U		200	U		150	U		170	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: SOIL	NSAMPLE	SF-2-SBA1-46-47'-11/2010			SF-2-SBF1-10-12'-11/2010			SF-2-SBF1-50-55'-11/2010			SF-2-SBF1-55-58'-11/2010		
	LAB_ID	SD7209-9			SD7209-1			SD7209-2			SD7209-3		
	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
DIBENZOFURAN	88	U		85	U		92	U		95	U		
DIETHYL PHTHALATE	89	U		86	U		93	U		96	U		
DIMETHYL PHTHALATE	87	U		84	U		91	U		94	U		
DI-N-BUTYL PHTHALATE	110	U		110	U		120	U		120	U		
DI-N-OCTYL PHTHALATE	230	U		230	U		240	U		250	U		
HEXACHLOROBENZENE	91	U		88	U		95	U		98	U		
HEXACHLOROBUTADIENE	92	U		89	U		97	U		100	U		
HEXACHLOROCYCLOPENTADIENE	91	U		88	U		95	U		98	U		
HEXACHLOROETHANE	110	U		100	U		110	U		120	U		
ISOPHORONE	83	U		80	U		87	U		90	U		
NITROBENZENE	100	U		98	U		100	U		110	U		
N-NITROSO-DI-N-PROPYLAMINE	92	U		89	U		97	U		100	U		
N-NITROSODIPHENYLAMINE	240	U		240	U		250	U		260	U		
PENTACHLOROPHENOL	260	U		250	U		280	U		280	U		
PHENOL	170	U		170	U		180	U		190	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-4		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
DIBENZOFURAN	91	U		
DIETHYL PHTHALATE	92	U		
DIMETHYL PHTHALATE	90	U		
DI-N-BUTYL PHTHALATE	120	U		
DI-N-OCTYL PHTHALATE	240	U		
HEXACHLOROBENZENE	95	U		
HEXACHLOROBUTADIENE	96	U		
HEXACHLOROCYCLOPENTADIENE	95	U		
HEXACHLOROETHANE	110	U		
ISOPHORONE	87	U		
NITROBENZENE	100	U		
N-NITROSO-DI-N-PROPYLAMINE	96	U		
N-NITROSODIPHENYLAMINE	250	U		
PENTACHLOROPHENOL	270	U		
PHENOL	180	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: WATER	NSAMPLE	RB11171001		
	LAB_ID	SD7209-10		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1,1-BIPHENYL	2.6	U		
1,2,4,5-TETRACHLOROBENZENE	1.7	U		
2,2'-OXYBIS(1-CHLOROPROPANE)	2	U		
2,3,4,6-TETRACHLOROPHENOL	2.6	U		
2,4,5-TRICHLOROPHENOL	3.4	U		
2,4,6-TRICHLOROPHENOL	2.6	U		
2,4-DICHLOROPHENOL	2.8	U		
2,4-DIMETHYLPHENOL	4.2	U		
2,4-DINITROPHENOL	0.95	U		
2,4-DINITROTOLUENE	2.1	U		
2,6-DINITROTOLUENE	1.9	U		
2-CHLORONAPHTHALENE	2.8	U		
2-CHLOROPHENOL	3	U		
2-METHYLPHENOL	3.6	U		
2-NITROANILINE	1.7	U		
2-NITROPHENOL	2.6	U		
3&4-METHYLPHENOL	5.3	U		
3,3'-DICHLOROBENZIDINE	1	U		
3-NITROANILINE	1.4	U		
4,6-DINITRO-2-METHYLPHENOL	1.9	U		
4-BROMOPHENYL PHENYL ETHER	1.8	U		
4-CHLORO-3-METHYLPHENOL	3.4	U		
4-CHLOROANILINE	1.8	U		
4-CHLOROPHENYL PHENYL ETHER	2.1	U		
4-NITROANILINE	1.5	U		
4-NITROPHENOL	1.7	UJ	C	
ACETOPHENONE	3.7	U		
ATRAZINE	3.1	U		
BENZALDEHYDE	0.95	UJ	C	
BIS(2-CHLOROETHOXY)METHANE	2	U		
BIS(2-CHLOROETHYL)ETHER	1.9	U		
BIS(2-ETHYLHEXYL)PHTHALATE	1.7	J	P	
BUTYL BENZYL PHTHALATE	1.8	U		
CAPROLACTAM	0.38	U		
CARBAZOLE	2	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: OS MEDIA: WATER	NSAMPLE	RB11171001		
	LAB_ID	SD7209-10		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
DIBENZOFURAN	1.5	U		
DIETHYL PHTHALATE	1.9	U		
DIMETHYL PHTHALATE	1.9	U		
DI-N-BUTYL PHTHALATE	2.4	U		
DI-N-OCTYL PHTHALATE	1.7	U		
HEXACHLOROBENZENE	2	U		
HEXACHLOROBUTADIENE	1.7	U		
HEXACHLOROCYCLOPENTADIENE	1.1	U		
HEXACHLOROETHANE	2.2	U		
ISOPHORONE	1.6	U		
NITROBENZENE	3	U		
N-NITROSO-DI-N-PROPYLAMINE	1.9	U		
N-NITROSODIPHENYLAMINE	3.5	U		
PENTACHLOROPHENOL	2.2	U		
PHENOL	1.7	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PAH MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-7			SD7209-6			SD7209-8			SD7209-5		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	1.8	U		2.1	U		1.7	U		1.9	U		
2-METHYLNAPHTHALENE	2.3	UJ	E	2.8	UJ	E	2.2	UJ	E	2.4	UJ	E	
ACENAPHTHENE	1.6	UJ	C	1.9	UJ	C	1.5	UJ	C	1.7	UJ	C	
ACENAPHTHYLENE	1.2	U		1.5	U		1.2	U		1.3	U		
ANTHRACENE	1.8	J	P	1.5	U		2.3	J	P	1.3	U		
BENZO(A)ANTHRACENE	12	J	P	14	J	P	8.3	J	P	5.8	J	P	
BENZO(A)PYRENE	8.9	J	P	11	J	P	4.4	J	P	3.7	U		
BENZO(B)FLUORANTHENE	15	J	P	18	J	P	8.7	J	P	2.7	U		
BENZO(G,H,I)PERYLENE	5.4	J	P	8.4	J	P	2.4	J	P	2.2	U		
BENZO(K)FLUORANTHENE	4.1	J	P	5.3	J	P	3	U		3.4	U		
CHRYSENE	7	J	P	8	J	P	4.6	J	P	1.9	U		
DIBENZO(A,H)ANTHRACENE	1.9	U		2.3	U		1.8	U		2	U		
FLUORANTHENE	16	J	P	14	J	P	11	J	P	2	U		
FLUORENE	3.3	U		4	U		3.1	U		3.6	U		
INDENO(1,2,3-CD)PYRENE	4.9	J	P	7.8	J	P	2.3	J	P	2.1	U		
NAPHTHALENE	2.7	U		3.3	U		2.6	U		2.9	U		
PHENANTHRENE	7.1	J	P	3.9	J	P	8.5	J	P	2	U		
PYRENE	13	J	P	11	J	P	8	J	P	2.3	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PAH MEDIA: SOIL	NSAMPLE	SF-2-SBA1-46-47-11/2010			SF-2-SBF1-10-12-11/2010			SF-2-SBF1-50-55-11/2010			SF-2-SBF1-55-58-11/2010		
	LAB_ID	SD7209-9			SD7209-1			SD7209-2			SD7209-3		
	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	1.9	U		1.8	U		2	U		2	U		
2-METHYLNAPHTHALENE	2.4	UJ	E	2.4	UJ	E	2.6	UJ	E	2.6	UJ	E	
ACENAPHTHENE	1.7	UJ	C	1.6	UJ	C	1.7	UJ	C	1.8	UJ	C	
ACENAPHTHYLENE	1.3	U		1.3	U		1.4	U		1.4	U		
ANTHRACENE	1.3	U		1.3	U		1.4	U		1.4	U		
BENZO(A)ANTHRACENE	2.1	U		2	U		6.7	J	P	6.2	J	P	
BENZO(A)PYRENE	3.7	U		3.5	U		3.8	U		4	U		
BENZO(B)FLUORANTHENE	2.7	U		2.6	U		2.8	U		2.9	U		
BENZO(G,H,I)PERYLENE	2.2	U		2.1	U		2.3	U		2.4	U		
BENZO(K)FLUORANTHENE	3.4	U		3.3	U		3.6	U		3.7	U		
CHRYSENE	1.9	U		1.8	U		2	U		2	U		
DIBENZO(A,H)ANTHRACENE	2	U		1.9	U		2.1	U		2.2	U		
FLUORANTHENE	2	U		2.2	J	P	2.1	U		2.2	U		
FLUORENE	3.6	U		3.4	U		3.7	U		3.8	U		
INDENO(1,2,3-CD)PYRENE	2.1	U		2	U		2.2	U		2.3	U		
NAPHTHALENE	2.9	U		2.8	U		3	U		3.1	U		
PHENANTHRENE	2	U		1.9	U		2.1	U		2.2	U		
PYRENE	2.3	U		2.2	U		2.4	U		2.5	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PAH MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-4		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	2	U		
2-METHYLNAPHTHALENE	2.5	UJ	E	
ACENAPHTHENE	1.7	UJ	C	
ACENAPHTHYLENE	1.4	U		
ANTHRACENE	1.4	U		
BENZO(A)ANTHRACENE	5.8	J	P	
BENZO(A)PYRENE	3.8	U		
BENZO(B)FLUORANTHENE	2.8	U		
BENZO(G,H,I)PERYLENE	2.3	U		
BENZO(K)FLUORANTHENE	3.6	U		
CHRYSENE	2	U		
DIBENZO(A,H)ANTHRACENE	2.1	U		
FLUORANTHENE	2.1	U		
FLUORENE	3.7	U		
INDENO(1,2,3-CD)PYRENE	2.2	U		
NAPHTHALENE	3	U		
PHENANTHRENE	2.1	U		
PYRENE	2.4	U		

PROJ_NO: 02760	NSAMPLE	RB11171001		
SDG: CTOJM30-1	LAB_ID	SD7209-10		
FRACTION: PAH	SAMP_DATE	11/17/2010		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	0.065	UJ	C	
2-METHYLNAPHTHALENE	0.073	U		
ACENAPHTHENE	0.061	U		
ACENAPHTHYLENE	0.051	U		
ANTHRACENE	0.042	U		
BENZO(A)ANTHRACENE	0.044	U		
BENZO(A)PYRENE	0.063	U		
BENZO(B)FLUORANTHENE	0.085	U		
BENZO(G,H,I)PERYLENE	0.062	U		
BENZO(K)FLUORANTHENE	0.047	U		
CHRYSENE	0.034	U		
DIBENZO(A,H)ANTHRACENE	0.067	U		
FLUORANTHENE	0.07	U		
FLUORENE	0.058	U		
INDENO(1,2,3-CD)PYRENE	0.05	U		
NAPHTHALENE	0.11	J	P	
PHENANTHRENE	0.048	U		
PYRENE	0.056	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PCB MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-7			SD7209-6			SD7209-8			SD7209-5		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
AROCLOR-1016	1.3	UJ	R	1.4	U		1.3	U		1.4	UJ	R	
AROCLOR-1221	1.7	UJ	R	1.8	U		1.7	U		1.8	UJ	R	
AROCLOR-1232	2	UJ	R	2.2	U		2	U		2.1	UJ	R	
AROCLOR-1242	1.2	UJ	R	1.4	U		1.2	U		1.3	UJ	R	
AROCLOR-1248	1.3	UJ	R	1.4	U		1.3	U		1.4	UJ	R	
AROCLOR-1254	1	UJ	R	1.1	U		0.99	U		1.1	UJ	R	
AROCLOR-1260	1.3	UJ	R	1.4	U		1.3	U		1.4	UJ	R	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PCB MEDIA: SOIL	NSAMPLE	SF-2-SBA1-46-47'-11/2010			SF-2-SBF1-10-12'-11/2010			SF-2-SBF1-50-55'-11/2010			SF-2-SBF1-55-58'-11/2010		
	LAB_ID	SD7209-9			SD7209-1			SD7209-2			SD7209-3		
	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
AROCLOR-1016	1.3	UJ	R	1.3	UJ	R	1.4	UJ	R	1.4	UJ	R	
AROCLOR-1221	1.7	UJ	R	1.7	UJ	R	1.8	UJ	R	1.8	UJ	R	
AROCLOR-1232	2	UJ	R	2	UJ	R	2.2	UJ	R	2.2	UJ	R	
AROCLOR-1242	1.2	UJ	R	1.2	UJ	R	1.4	UJ	R	1.3	UJ	R	
AROCLOR-1248	1.3	UJ	R	1.3	UJ	R	1.4	UJ	R	1.4	UJ	R	
AROCLOR-1254	1	UJ	R	1	UJ	R	1.1	UJ	R	1.1	UJ	R	
AROCLOR-1260	1.3	UJ	R	1.3	UJ	R	1.4	UJ	R	1.4	UJ	R	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PCB MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-4		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
AROCLOR-1016	1.3	UJ	R	
AROCLOR-1221	1.7	UJ	R	
AROCLOR-1232	2	UJ	R	
AROCLOR-1242	1.3	UJ	R	
AROCLOR-1248	1.3	UJ	R	
AROCLOR-1254	1	UJ	R	
AROCLOR-1260	1.3	UJ	R	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PCB MEDIA: WATER	NSAMPLE	RB11171001		
	LAB_ID	SD7209-10		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
AROCLOR-1016	0.028	U		
AROCLOR-1221	0.038	U		
AROCLOR-1232	0.017	U		
AROCLOR-1242	0.034	U		
AROCLOR-1248	0.038	U		
AROCLOR-1254	0.016	U		
AROCLOR-1260	0.032	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PEST MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-7			SD7209-6			SD7209-8			SD7209-5		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
4,4'-DDD	0.45	J	PU	0.46	J	P	0.042	U		0.045	U		
4,4'-DDE	1.3			1.4			0.15	J	P	0.075	J	PU	
4,4'-DDT	1.7			1.9			0.12	J	P	0.14	J	PU	
ALDRIN	0.086	J	P	0.093	J	P	0.059	U		0.063	U		
ALPHA-BHC	0.073	U		0.079	U		0.072	U		0.077	U		
ALPHA-CHLORDANE	0.045	U		0.049	U		0.044	U		0.047	U		
BETA-BHC	0.071	U		0.077	U		0.069	U		0.074	U		
DELTA-BHC	0.069	U		0.075	U		0.067	U		0.072	U		
DIELDRIN	9.6			10			0.82			0.13	J	P	
ENDOSULFAN I	0.066	J	P	0.056	U		0.11	J	P	0.054	U		
ENDOSULFAN II	0.073	U		0.079	U		0.072	U		0.077	U		
ENDOSULFAN SULFATE	0.12	U		0.14	U		0.12	U		0.13	U		
ENDRIN	0.18	U		0.2	U		0.18	U		0.19	U		
ENDRIN ALDEHYDE	0.44	J	P	0.38	J	P	0.1	U		0.11	U		
GAMMA-BHC (LINDANE)	0.058	U		0.063	U		0.057	U		0.061	U		
GAMMA-CHLORDANE	0.05	U		0.054	U		0.048	U		0.052	U		
HEPTACHLOR	0.062	U		0.068	U		0.061	U		0.066	U		
HEPTACHLOR EPOXIDE	0.047	U		0.051	U		0.046	U		0.05	U		
METHOXYCHLOR	0.11	U		0.12	U		0.1	U		0.11	U		
TOXAPHENE	1.5	U		1.6	U		1.5	U		1.6	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PEST MEDIA: SOIL	NSAMPLE	SF-2-SBA1-46-47-11/2010			SF-2-SBF1-10-12-11/2010			SF-2-SBF1-50-55-11/2010			SF-2-SBF1-55-58-11/2010		
	LAB_ID	SD7209-9			SD7209-1			SD7209-2			SD7209-3		
	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
4,4'-DDD	0.043	U		0.48	J	P	0.047	U		0.046	U		
4,4'-DDE	0.041	U		0.55	J	P	0.045	U		0.044	U		
4,4'-DDT	0.066	U		0.18	J	P	0.073	U		0.072	U		
ALDRIN	0.06	U		0.061	U		0.066	U		0.065	U		
ALPHA-BHC	0.073	U		0.074	U		0.08	U		0.079	U		
ALPHA-CHLORDANE	0.045	U		0.046	U		0.049	U		0.049	U		
BETA-BHC	0.071	U		0.072	U		0.078	U		0.076	U		
DELTA-BHC	0.068	U		0.069	U		0.075	U		0.074	U		
DIELDRIN	0.047	U		6.6			0.052	U		0.051	U		
ENDOSULFAN I	0.051	U		0.052	U		0.056	U		0.056	U		
ENDOSULFAN II	0.073	U		0.074	U		0.08	U		0.079	U		
ENDOSULFAN SULFATE	0.12	U		0.12	U		0.14	U		0.13	U		
ENDRIN	0.18	U		0.18	U		0.2	U		0.2	U		
ENDRIN ALDEHYDE	0.1	U		0.11	U		0.12	U		0.11	U		
GAMMA-BHC (LINDANE)	0.058	U		0.058	U		0.063	U		0.063	U		
GAMMA-CHLORDANE	0.049	U		0.05	U		0.054	U		0.053	U		
HEPTACHLOR	0.062	U		0.063	U		0.068	U		0.067	U		
HEPTACHLOR EPOXIDE	0.047	U		0.048	U		0.052	U		0.051	U		
METHOXYCHLOR	0.11	U		0.11	U		0.12	U		0.12	U		
TOXAPHENE	1.5	U		1.5	U		1.6	U		1.6	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PEST MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-4		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
4,4'-DDD	0.044	U		
4,4'-DDE	0.042	U		
4,4'-DDT	0.068	U		
ALDRIN	0.062	U		
ALPHA-BHC	0.075	U		
ALPHA-CHLORDANE	0.046	U		
BETA-BHC	0.073	U		
DELTA-BHC	0.071	U		
DIELDRIN	0.048	U		
ENDOSULFAN I	0.053	U		
ENDOSULFAN II	0.075	U		
ENDOSULFAN SULFATE	0.13	U		
ENDRIN	0.19	U		
ENDRIN ALDEHYDE	0.11	U		
GAMMA-BHC (LINDANE)	0.06	U		
GAMMA-CHLORDANE	0.051	U		
HEPTACHLOR	0.064	U		
HEPTACHLOR EPOXIDE	0.048	U		
METHOXYCHLOR	0.11	U		
TOXAPHENE	1.5	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PEST MEDIA: WATER	NSAMPLE	RB11171001		
	LAB_ID	SD7209-10		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
4,4'-DDD	0.0017	U		
4,4'-DDE	0.00093	U		
4,4'-DDT	0.0017	U		
ALDRIN	0.0014	U		
ALPHA-BHC	0.0013	U		
ALPHA-CHLORDANE	0.0014	U		
BETA-BHC	0.0012	U		
DELTA-BHC	0.0025	U		
DIELDRIN	0.0012	U		
ENDOSULFAN I	0.0012	U		
ENDOSULFAN II	0.0011	U		
ENDOSULFAN SULFATE	0.0013	U		
ENDRIN	0.0016	U		
ENDRIN ALDEHYDE	0.0012	U		
GAMMA-BHC (LINDANE)	0.0014	U		
GAMMA-CHLORDANE	0.0011	U		
HEPTACHLOR	0.0015	U		
HEPTACHLOR EPOXIDE	0.0014	U		
METHOXYCHLOR	0.0016	U		
TOXAPHENE	0.032	U		

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PET MEDIA: SOIL	NSAMPLE	FD11171001			SF-2-SAA1-0-2-11/2010			SF-2-SBA1-2-4'-11/2010			SF-2-SBA1-27-33'-11/2010		
	LAB_ID	SD7209-7			SD7209-6			SD7209-8			SD7209-5		
	SAMP_DATE	11/17/2010			11/17/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	90.4			76.9			92.3			83.0		
	DUP_OF	SF-2-SAA1-0-2-11/2010											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
TPH (C08-C40)	43	J	C	47	J	C	18	J	CP	12	J	CPR	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PET MEDIA: SOIL	NSAMPLE	SF-2-SBA1-46-47'-11/2010			SF-2-SBF1-10-12'-11/2010			SF-2-SBF1-50-55'-11/2010			SF-2-SBF1-55-58'-11/2010		
	LAB_ID	SD7209-9			SD7209-1			SD7209-2			SD7209-3		
	SAMP_DATE	11/17/2010			11/16/2010			11/17/2010			11/17/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/KG			MG/KG			MG/KG			MG/KG		
	PCT_SOLIDS	89.0			91.6			84.2			80.9		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
TPH (C08-C40)	2.4	U		11	J	CP	2.4	UJ	C	2.8	UJ	C	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PET MEDIA: SOIL	NSAMPLE	SF-2-SBF1-61-63'-11/2010		
	LAB_ID	SD7209-4		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	MG/KG		
	PCT_SOLIDS	83.1		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
TPH (C08-C40)	2.4	UJ	C	

PROJ_NO: 02760 SDG: CTOJM30-1 FRACTION: PET MEDIA: WATER	NSAMPLE	RB11171001		
	LAB_ID	SD7209-10		
	SAMP_DATE	11/17/2010		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
TPH (C08-C40)	54	U		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.83	ug/Kgdrywt	1	10	9.0	0.83	4.5
Chloromethane	U	1.3	ug/Kgdrywt	1	10	9.0	1.3	4.5
Vinyl Chloride	U	0.78	ug/Kgdrywt	1	10	9.0	0.78	4.5
Bromomethane	U	0.99	ug/Kgdrywt	1	10	9.0	0.99	4.5
Chloroethane	U	1.2	ug/Kgdrywt	1	10	9.0	1.2	4.5
Trichlorofluoromethane	U	0.82	ug/Kgdrywt	1	10	9.0	0.82	4.5
1,1-Dichloroethene	U	0.84	ug/Kgdrywt	1	5	4.5	0.84	2.2
Carbon Disulfide	U	0.70	ug/Kgdrywt	1	5	4.5	0.70	2.2
Methylene Chloride	U	7.1	ug/Kgdrywt	1	25	22.	7.1	11.
Acetone	I	7.4	ug/Kgdrywt	1	25	22.	4.6	11.
trans-1,2-Dichloroethene	U	0.64	ug/Kgdrywt	1	5	4.5	0.64	2.2
Methyl tert-butyl Ether	U	0.99	ug/Kgdrywt	1	5	4.5	0.99	2.2
1,1-Dichloroethane	U	1.5	ug/Kgdrywt	1	5	4.5	1.5	2.2
cis-1,2-Dichloroethene	U	0.82	ug/Kgdrywt	1	5	4.5	0.82	2.2
Bromochloromethane	U	0.82	ug/Kgdrywt	1	5	4.5	0.82	2.2
Chloroform	U	0.32	ug/Kgdrywt	1	5	4.5	0.32	2.2
Carbon Tetrachloride	U	1.2	ug/Kgdrywt	1	5	4.5	1.2	2.2
1,1,1-Trichloroethane	U	0.38	ug/Kgdrywt	1	5	4.5	0.38	2.2
2-Butanone	U	5.3	ug/Kgdrywt	1	25	22.	5.3	11.
Benzene	U	0.83	ug/Kgdrywt	1	5	4.5	0.83	2.2
1,2-Dichloroethane	U	0.90	ug/Kgdrywt	1	5	4.5	0.90	2.2
Trichloroethene	U	0.53	ug/Kgdrywt	1	5	4.5	0.53	2.2
1,2-Dichloropropane	U	1.3	ug/Kgdrywt	1	5	4.5	1.3	2.2
Bromodichloromethane	U	0.54	ug/Kgdrywt	1	5	4.5	0.54	2.2
cis-1,3-Dichloropropene	U	0.65	ug/Kgdrywt	1	5	4.5	0.65	2.2
Toluene	U	1.3	ug/Kgdrywt	1	5	4.5	1.3	2.2
4-Methyl-2-Pentanone	U	5.3	ug/Kgdrywt	1	25	22.	5.3	11.
Tetrachloroethene	U	1.1	ug/Kgdrywt	1	5	4.5	1.1	2.2
trans-1,3-Dichloropropene	U	0.77	ug/Kgdrywt	1	5	4.5	0.77	2.2
1,1,2-Trichloroethane	U	0.87	ug/Kgdrywt	1	5	4.5	0.87	2.2
Dibromochloromethane	U	0.90	ug/Kgdrywt	1	5	4.5	0.90	2.2
1,2-Dibromoethane	U	1.1	ug/Kgdrywt	1	5	4.5	1.1	2.2
2-Hexanone	U	4.3	ug/Kgdrywt	1	25	22.	4.3	11.
Chlorobenzene	U	0.46	ug/Kgdrywt	1	5	4.5	0.46	2.2
Ethylbenzene	U	0.58	ug/Kgdrywt	1	5	4.5	0.58	2.2

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 90.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.5	ug/Kgdrywt	1	10	9.0	1.5	4.5
o-Xylene	U	1.2	ug/Kgdrywt	1	5	4.5	1.2	2.2
Styrene	U	0.46	ug/Kgdrywt	1	5	4.5	0.46	2.2
Bromoform	U	0.63	ug/Kgdrywt	1	5	4.5	0.63	2.2
Isopropylbenzene	U	0.83	ug/Kgdrywt	1	5	4.5	0.83	2.2
1,1,2,2-Tetrachloroethane	U	0.76	ug/Kgdrywt	1	5	4.5	0.76	2.2
1,3-Dichlorobenzene	U	0.56	ug/Kgdrywt	1	5	4.5	0.56	2.2
1,4-Dichlorobenzene	U	0.40	ug/Kgdrywt	1	5	4.5	0.40	2.2
1,2-Dichlorobenzene	U	0.70	ug/Kgdrywt	1	5	4.5	0.70	2.2
1,2-Dibromo-3-Chloropropane	U	1.4	ug/Kgdrywt	1	5	4.5	1.4	2.2
1,2,4-Trichlorobenzene	U	0.71	ug/Kgdrywt	1	5	4.5	0.71	2.2
1,2,3-Trichlorobenzene	U	0.68	ug/Kgdrywt	1	5	4.5	0.68	2.2
Freon-113	U	0.81	ug/Kgdrywt	1	5	4.5	0.81	2.2
1,4-Dioxane	U	30.	ug/Kgdrywt	1	500	450	30.	220
Cyclohexane	U	1.3	ug/Kgdrywt	1	5	4.5	1.3	2.2
Methyl acetate	U	2.4	ug/Kgdrywt	1	5	4.5	2.4	2.7
Methylcyclohexane	U	0.86	ug/Kgdrywt	1	5	4.5	0.86	2.2
p-Bromofluorobenzene		78.4	%					
Toluene-D8		107.	%					
1,2-Dichloroethane-D4		128.	%					
Dibromofluoromethane		116.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/Kgdrywt	1	10	11.	1.0	5.5
Chloromethane	U	1.5	ug/Kgdrywt	1	10	11.	1.5	5.5
Vinyl Chloride	U	0.96	ug/Kgdrywt	1	10	11.	0.96	5.5
Bromomethane	U	1.2	ug/Kgdrywt	1	10	11.	1.2	5.5
Chloroethane	U	1.4	ug/Kgdrywt	1	10	11.	1.4	5.5
Trichlorofluoromethane	U	1.0	ug/Kgdrywt	1	10	11.	1.0	5.5
1,1-Dichloroethene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
Carbon Disulfide	U	0.86	ug/Kgdrywt	1	5	5.5	0.86	2.8
Methylene Chloride	U	8.7	ug/Kgdrywt	1	25	28.	8.7	14.
Acetone	I	9.9	ug/Kgdrywt	1	25	28.	5.6	14.
trans-1,2-Dichloroethene	U	0.78	ug/Kgdrywt	1	5	5.5	0.78	2.8
Methyl tert-butyl Ether	U	1.2	ug/Kgdrywt	1	5	5.5	1.2	2.8
1,1-Dichloroethane	U	1.9	ug/Kgdrywt	1	5	5.5	1.9	2.8
cis-1,2-Dichloroethene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
Bromochloromethane	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
Chloroform	U	0.38	ug/Kgdrywt	1	5	5.5	0.38	2.8
Carbon Tetrachloride	U	1.4	ug/Kgdrywt	1	5	5.5	1.4	2.8
1,1,1-Trichloroethane	U	0.46	ug/Kgdrywt	1	5	5.5	0.46	2.8
2-Butanone	U	6.5	ug/Kgdrywt	1	25	28.	6.5	14.
Benzene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
1,2-Dichloroethane	U	1.1	ug/Kgdrywt	1	5	5.5	1.1	2.8
Trichloroethene	U	0.65	ug/Kgdrywt	1	5	5.5	0.65	2.8
1,2-Dichloropropane	U	1.5	ug/Kgdrywt	1	5	5.5	1.5	2.8
Bromodichloromethane	U	0.66	ug/Kgdrywt	1	5	5.5	0.66	2.8
cis-1,3-Dichloropropene	U	0.79	ug/Kgdrywt	1	5	5.5	0.79	2.8
Toluene	U	1.5	ug/Kgdrywt	1	5	5.5	1.5	2.8
4-Methyl-2-Pentanone	U	6.5	ug/Kgdrywt	1	25	28.	6.5	14.
Tetrachloroethene	U	1.3	ug/Kgdrywt	1	5	5.5	1.3	2.8
trans-1,3-Dichloropropene	U	0.95	ug/Kgdrywt	1	5	5.5	0.95	2.8
1,1,2-Trichloroethane	U	1.1	ug/Kgdrywt	1	5	5.5	1.1	2.8
Dibromochloromethane	U	1.1	ug/Kgdrywt	1	5	5.5	1.1	2.8
1,2-Dibromoethane	U	1.3	ug/Kgdrywt	1	5	5.5	1.3	2.8
2-Hexanone	U	5.3	ug/Kgdrywt	1	25	28.	5.3	14.
Chlorobenzene	U	0.56	ug/Kgdrywt	1	5	5.5	0.56	2.8
Ethylbenzene	U	0.72	ug/Kgdrywt	1	5	5.5	0.72	2.8

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.9	ug/Kgdrywt	1	10	11.	1.9	5.5
o-Xylene	U	1.4	ug/Kgdrywt	1	5	5.5	1.4	2.8
Styrene	U	0.56	ug/Kgdrywt	1	5	5.5	0.56	2.8
Bromoform	U	0.77	ug/Kgdrywt	1	5	5.5	0.77	2.8
Isopropylbenzene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
1,1,2,2-Tetrachloroethane	U	0.92	ug/Kgdrywt	1	5	5.5	0.92	2.8
1,3-Dichlorobenzene	U	0.68	ug/Kgdrywt	1	5	5.5	0.68	2.8
1,4-Dichlorobenzene	U	0.48	ug/Kgdrywt	1	5	5.5	0.48	2.8
1,2-Dichlorobenzene	U	0.86	ug/Kgdrywt	1	5	5.5	0.86	2.8
1,2-Dibromo-3-Chloropropane	U	1.6	ug/Kgdrywt	1	5	5.5	1.6	2.8
1,2,4-Trichlorobenzene	U	0.87	ug/Kgdrywt	1	5	5.5	0.87	2.8
1,2,3-Trichlorobenzene	U	0.84	ug/Kgdrywt	1	5	5.5	0.84	2.8
Freon-113	U	0.99	ug/Kgdrywt	1	5	5.5	0.99	2.8
1,4-Dioxane	U	36.	ug/Kgdrywt	1	500	550	36.	280
Cyclohexane	U	1.5	ug/Kgdrywt	1	5	5.5	1.5	2.8
Methyl acetate	U	3.0	ug/Kgdrywt	1	5	5.5	3.0	3.3
Methylcyclohexane	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
p-Bromofluorobenzene		52.7	%					
Toluene-D8		80.6	%					
1,2-Dichloroethane-D4		101.	%					
Dibromofluoromethane		89.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.74	ug/Kgdrywt	1	10	8.1	0.74	4.0
Chloromethane	U	1.1	ug/Kgdrywt	1	10	8.1	1.1	4.0
Vinyl Chloride	U	0.70	ug/Kgdrywt	1	10	8.1	0.70	4.0
Bromomethane	U	0.89	ug/Kgdrywt	1	10	8.1	0.89	4.0
Chloroethane	U	1.0	ug/Kgdrywt	1	10	8.1	1.0	4.0
Trichlorofluoromethane	U	0.74	ug/Kgdrywt	1	10	8.1	0.74	4.0
1,1-Dichloroethene	U	0.75	ug/Kgdrywt	1	5	4.0	0.75	2.0
Carbon Disulfide	U	0.63	ug/Kgdrywt	1	5	4.0	0.63	2.0
Methylene Chloride	U	6.4	ug/Kgdrywt	1	25	20.	6.4	10.
Acetone	I	5.4	ug/Kgdrywt	1	25	20.	4.1	10.
trans-1,2-Dichloroethene	U	0.58	ug/Kgdrywt	1	5	4.0	0.58	2.0
Methyl tert-butyl Ether	U	0.89	ug/Kgdrywt	1	5	4.0	0.89	2.0
1,1-Dichloroethane	U	1.4	ug/Kgdrywt	1	5	4.0	1.4	2.0
cis-1,2-Dichloroethene	U	0.74	ug/Kgdrywt	1	5	4.0	0.74	2.0
Bromochloromethane	U	0.74	ug/Kgdrywt	1	5	4.0	0.74	2.0
Chloroform	U	0.28	ug/Kgdrywt	1	5	4.0	0.28	2.0
Carbon Tetrachloride	U	1.0	ug/Kgdrywt	1	5	4.0	1.0	2.0
1,1,1-Trichloroethane	U	0.34	ug/Kgdrywt	1	5	4.0	0.34	2.0
2-Butanone	U	4.8	ug/Kgdrywt	1	25	20.	4.8	10.
Benzene	U	0.74	ug/Kgdrywt	1	5	4.0	0.74	2.0
1,2-Dichloroethane	U	0.81	ug/Kgdrywt	1	5	4.0	0.81	2.0
Trichloroethene	U	0.48	ug/Kgdrywt	1	5	4.0	0.48	2.0
1,2-Dichloropropane	U	1.1	ug/Kgdrywt	1	5	4.0	1.1	2.0
Bromodichloromethane	U	0.49	ug/Kgdrywt	1	5	4.0	0.49	2.0
cis-1,3-Dichloropropene	U	0.58	ug/Kgdrywt	1	5	4.0	0.58	2.0
Toluene	U	1.1	ug/Kgdrywt	1	5	4.0	1.1	2.0
4-Methyl-2-Pentanone	U	4.8	ug/Kgdrywt	1	25	20.	4.8	10.
Tetrachloroethene	I	1.0	ug/Kgdrywt	1	5	4.0	0.97	2.0
trans-1,3-Dichloropropene	U	0.70	ug/Kgdrywt	1	5	4.0	0.70	2.0
1,1,2-Trichloroethane	U	0.78	ug/Kgdrywt	1	5	4.0	0.78	2.0
Dibromochloromethane	U	0.81	ug/Kgdrywt	1	5	4.0	0.81	2.0
1,2-Dibromoethane	U	0.97	ug/Kgdrywt	1	5	4.0	0.97	2.0
2-Hexanone	U	3.9	ug/Kgdrywt	1	25	20.	3.9	10.
Chlorobenzene	U	0.41	ug/Kgdrywt	1	5	4.0	0.41	2.0
Ethylbenzene	U	0.53	ug/Kgdrywt	1	5	4.0	0.53	2.0

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.4	ug/Kgdrywt	1	10	8.1	1.4	4.0
o-Xylene	U	1.0	ug/Kgdrywt	1	5	4.0	1.0	2.0
Styrene	U	0.41	ug/Kgdrywt	1	5	4.0	0.41	2.0
Bromoform	U	0.57	ug/Kgdrywt	1	5	4.0	0.57	2.0
Isopropylbenzene	U	0.74	ug/Kgdrywt	1	5	4.0	0.74	2.0
1,1,2,2-Tetrachloroethane	U	0.68	ug/Kgdrywt	1	5	4.0	0.68	2.0
1,3-Dichlorobenzene	U	0.50	ug/Kgdrywt	1	5	4.0	0.50	2.0
1,4-Dichlorobenzene	U	0.36	ug/Kgdrywt	1	5	4.0	0.36	2.0
1,2-Dichlorobenzene	U	0.63	ug/Kgdrywt	1	5	4.0	0.63	2.0
1,2-Dibromo-3-Chloropropane	U	1.2	ug/Kgdrywt	1	5	4.0	1.2	2.0
1,2,4-Trichlorobenzene	U	0.64	ug/Kgdrywt	1	5	4.0	0.64	2.0
1,2,3-Trichlorobenzene	U	0.62	ug/Kgdrywt	1	5	4.0	0.62	2.0
Freon-113	U	0.73	ug/Kgdrywt	1	5	4.0	0.73	2.0
1,4-Dioxane	U	27.	ug/Kgdrywt	1	500	400	27.	200
Cyclohexane	U	1.1	ug/Kgdrywt	1	5	4.0	1.1	2.0
Methyl acetate	U	2.2	ug/Kgdrywt	1	5	4.0	2.2	2.4
Methylcyclohexane	U	0.78	ug/Kgdrywt	1	5	4.0	0.78	2.0
p-Bromofluorobenzene		95.1	%					
Toluene-D8		110.	%					
1,2-Dichloroethane-D4		120.	%					
Dibromofluoromethane		113.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	1.1	ug/Kgdrywt	1	10	12.	1.1	6.0
Chloromethane	U	1.7	ug/Kgdrywt	1	10	12.	1.7	6.0
Vinyl Chloride	U	1.0	ug/Kgdrywt	1	10	12.	1.0	6.0
Bromomethane	U	1.3	ug/Kgdrywt	1	10	12.	1.3	6.0
Chloroethane	U	1.6	ug/Kgdrywt	1	10	12.	1.6	6.0
Trichlorofluoromethane	U	1.1	ug/Kgdrywt	1	10	12.	1.1	6.0
1,1-Dichloroethene	U	1.1	ug/Kgdrywt	1	5	6.0	1.1	3.0
Carbon Disulfide	U	0.94	ug/Kgdrywt	1	5	6.0	0.94	3.0
Methylene Chloride	U	9.5	ug/Kgdrywt	1	25	30.	9.5	15.
Acetone	I	7.1	ug/Kgdrywt	1	25	30.	6.1	15.
trans-1,2-Dichloroethene	U	0.85	ug/Kgdrywt	1	5	6.0	0.85	3.0
Methyl tert-butyl Ether	U	1.3	ug/Kgdrywt	1	5	6.0	1.3	3.0
1,1-Dichloroethane	U	2.0	ug/Kgdrywt	1	5	6.0	2.0	3.0
cis-1,2-Dichloroethene	U	1.1	ug/Kgdrywt	1	5	6.0	1.1	3.0
Bromochloromethane	U	1.1	ug/Kgdrywt	1	5	6.0	1.1	3.0
Chloroform	U	0.42	ug/Kgdrywt	1	5	6.0	0.42	3.0
Carbon Tetrachloride	U	1.6	ug/Kgdrywt	1	5	6.0	1.6	3.0
1,1,1-Trichloroethane	U	0.50	ug/Kgdrywt	1	5	6.0	0.50	3.0
2-Butanone	U	7.1	ug/Kgdrywt	1	25	30.	7.1	15.
Benzene	U	1.1	ug/Kgdrywt	1	5	6.0	1.1	3.0
1,2-Dichloroethane	U	1.2	ug/Kgdrywt	1	5	6.0	1.2	3.0
Trichloroethene	U	0.71	ug/Kgdrywt	1	5	6.0	0.71	3.0
1,2-Dichloropropane	U	1.7	ug/Kgdrywt	1	5	6.0	1.7	3.0
Bromodichloromethane	U	0.72	ug/Kgdrywt	1	5	6.0	0.72	3.0
cis-1,3-Dichloropropene	U	0.86	ug/Kgdrywt	1	5	6.0	0.86	3.0
Toluene	U	1.7	ug/Kgdrywt	1	5	6.0	1.7	3.0
4-Methyl-2-Pentanone	U	7.1	ug/Kgdrywt	1	25	30.	7.1	15.
Tetrachloroethene	U	1.4	ug/Kgdrywt	1	5	6.0	1.4	3.0
trans-1,3-Dichloropropene	U	1.0	ug/Kgdrywt	1	5	6.0	1.0	3.0
1,1,2-Trichloroethane	U	1.2	ug/Kgdrywt	1	5	6.0	1.2	3.0
Dibromochloromethane	U	1.2	ug/Kgdrywt	1	5	6.0	1.2	3.0
1,2-Dibromoethane	U	1.4	ug/Kgdrywt	1	5	6.0	1.4	3.0
2-Hexanone	U	5.8	ug/Kgdrywt	1	25	30.	5.8	15.
Chlorobenzene	U	0.61	ug/Kgdrywt	1	5	6.0	0.61	3.0
Ethylbenzene	U	0.78	ug/Kgdrywt	1	5	6.0	0.78	3.0

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	2.0	ug/Kgdrywt	1	10	12.	2.0	6.0
o-Xylene	U	1.6	ug/Kgdrywt	1	5	6.0	1.6	3.0
Styrene	U	0.61	ug/Kgdrywt	1	5	6.0	0.61	3.0
Bromoform	U	0.84	ug/Kgdrywt	1	5	6.0	0.84	3.0
Isopropylbenzene	U	1.1	ug/Kgdrywt	1	5	6.0	1.1	3.0
1,1,2,2-Tetrachloroethane	U	1.0	ug/Kgdrywt	1	5	6.0	1.0	3.0
1,3-Dichlorobenzene	U	0.74	ug/Kgdrywt	1	5	6.0	0.74	3.0
1,4-Dichlorobenzene	U	0.53	ug/Kgdrywt	1	5	6.0	0.53	3.0
1,2-Dichlorobenzene	U	0.94	ug/Kgdrywt	1	5	6.0	0.94	3.0
1,2-Dibromo-3-Chloropropane	U	1.8	ug/Kgdrywt	1	5	6.0	1.8	3.0
1,2,4-Trichlorobenzene	U	0.95	ug/Kgdrywt	1	5	6.0	0.95	3.0
1,2,3-Trichlorobenzene	U	0.91	ug/Kgdrywt	1	5	6.0	0.91	3.0
Freon-113	U	1.1	ug/Kgdrywt	1	5	6.0	1.1	3.0
1,4-Dioxane	U	40.	ug/Kgdrywt	1	500	600	40.	300
Cyclohexane	U	1.7	ug/Kgdrywt	1	5	6.0	1.7	3.0
Methyl acetate	U	3.2	ug/Kgdrywt	1	5	6.0	3.2	3.6
Methylcyclohexane	U	1.2	ug/Kgdrywt	1	5	6.0	1.2	3.0
p-Bromofluorobenzene		84.3	%					
Toluene-D8		96.7	%					
1,2-Dichloroethane-D4		106.	%					
Dibromofluoromethane		93.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 89.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJLOQ	ADJMDL	ADJ LOD
Dichlorodifluoromethane	U	1.0	ug/Kgdrywt	1	10	11.	1.0	5.5
Chloromethane	U	1.5	ug/Kgdrywt	1	10	11.	1.5	5.5
Vinyl Chloride	U	0.96	ug/Kgdrywt	1	10	11.	0.96	5.5
Bromomethane	U	1.2	ug/Kgdrywt	1	10	11.	1.2	5.5
Chloroethane	U	1.4	ug/Kgdrywt	1	10	11.	1.4	5.5
Trichlorofluoromethane	U	1.0	ug/Kgdrywt	1	10	11.	1.0	5.5
1,1-Dichloroethene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
Carbon Disulfide	U	0.86	ug/Kgdrywt	1	5	5.5	0.86	2.8
Methylene Chloride	U	8.7	ug/Kgdrywt	1	25	28.	8.7	14.
Acetone	I	7.7	ug/Kgdrywt	1	25	28.	5.6	14.
trans-1,2-Dichloroethene	U	0.78	ug/Kgdrywt	1	5	5.5	0.78	2.8
Methyl tert-butyl Ether	U	1.2	ug/Kgdrywt	1	5	5.5	1.2	2.8
1,1-Dichloroethane	U	1.9	ug/Kgdrywt	1	5	5.5	1.9	2.8
cis-1,2-Dichloroethene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
Bromochloromethane	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
Chloroform	U	0.38	ug/Kgdrywt	1	5	5.5	0.38	2.8
Carbon Tetrachloride	U	1.4	ug/Kgdrywt	1	5	5.5	1.4	2.8
1,1,1-Trichloroethane	U	0.46	ug/Kgdrywt	1	5	5.5	0.46	2.8
2-Butanone	U	6.5	ug/Kgdrywt	1	25	28.	6.5	14.
Benzene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
1,2-Dichloroethane	U	1.1	ug/Kgdrywt	1	5	5.5	1.1	2.8
Trichloroethene	U	0.65	ug/Kgdrywt	1	5	5.5	0.65	2.8
1,2-Dichloropropane	U	1.5	ug/Kgdrywt	1	5	5.5	1.5	2.8
Bromodichloromethane	U	0.66	ug/Kgdrywt	1	5	5.5	0.66	2.8
cis-1,3-Dichloropropene	U	0.79	ug/Kgdrywt	1	5	5.5	0.79	2.8
Toluene	U	1.5	ug/Kgdrywt	1	5	5.5	1.5	2.8
4-Methyl-2-Pentanone	U	6.5	ug/Kgdrywt	1	25	28.	6.5	14.
Tetrachloroethene	I	1.4	ug/Kgdrywt	1	5	5.5	1.3	2.8
trans-1,3-Dichloropropene	U	0.95	ug/Kgdrywt	1	5	5.5	0.95	2.8
1,1,2-Trichloroethane	U	1.1	ug/Kgdrywt	1	5	5.5	1.1	2.8
Dibromochloromethane	U	1.1	ug/Kgdrywt	1	5	5.5	1.1	2.8
1,2-Dibromoethane	U	1.3	ug/Kgdrywt	1	5	5.5	1.3	2.8
2-Hexanone	U	5.3	ug/Kgdrywt	1	25	28.	5.3	14.
Chlorobenzene	U	0.56	ug/Kgdrywt	1	5	5.5	0.56	2.8
Ethylbenzene	U	0.72	ug/Kgdrywt	1	5	5.5	0.72	2.8

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 89.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.9	ug/Kgdrywt	1	10	11.	1.9	5.5
o-Xylene	U	1.4	ug/Kgdrywt	1	5	5.5	1.4	2.8
Styrene	U	0.56	ug/Kgdrywt	1	5	5.5	0.56	2.8
Bromoform	U	0.77	ug/Kgdrywt	1	5	5.5	0.77	2.8
Isopropylbenzene	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
1,1,2,2-Tetrachloroethane	U	0.92	ug/Kgdrywt	1	5	5.5	0.92	2.8
1,3-Dichlorobenzene	U	0.68	ug/Kgdrywt	1	5	5.5	0.68	2.8
1,4-Dichlorobenzene	U	0.48	ug/Kgdrywt	1	5	5.5	0.48	2.8
1,2-Dichlorobenzene	U	0.86	ug/Kgdrywt	1	5	5.5	0.86	2.8
1,2-Dibromo-3-Chloropropane	U	1.6	ug/Kgdrywt	1	5	5.5	1.6	2.8
1,2,4-Trichlorobenzene	U	0.87	ug/Kgdrywt	1	5	5.5	0.87	2.8
1,2,3-Trichlorobenzene	U	0.84	ug/Kgdrywt	1	5	5.5	0.84	2.8
Freon-113	U	0.99	ug/Kgdrywt	1	5	5.5	0.99	2.8
1,4-Dioxane	U	36.	ug/Kgdrywt	1	500	550	36.	280
Cyclohexane	U	1.5	ug/Kgdrywt	1	5	5.5	1.5	2.8
Methyl acetate	U	3.0	ug/Kgdrywt	1	5	5.5	3.0	3.3
Methylcyclohexane	U	1.0	ug/Kgdrywt	1	5	5.5	1.0	2.8
p-Bromofluorobenzene		86.7	%					
Toluene-D8		102.	%					
1,2-Dichloroethane-D4		113.	%					
Dibromofluoromethane		103.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1RA
Client ID: SBF1-10-12-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.82	ug/Kgdrywt	1	10	8.9	0.82	4.4
Chloromethane	U	1.2	ug/Kgdrywt	1	10	8.9	1.2	4.4
Vinyl Chloride	U	0.77	ug/Kgdrywt	1	10	8.9	0.77	4.4
Bromomethane	U	0.98	ug/Kgdrywt	1	10	8.9	0.98	4.4
Chloroethane	U	1.2	ug/Kgdrywt	1	10	8.9	1.2	4.4
Trichlorofluoromethane	U	0.81	ug/Kgdrywt	1	10	8.9	0.81	4.4
1,1-Dichloroethene	U	0.83	ug/Kgdrywt	1	5	4.4	0.83	2.2
Carbon Disulfide	U	0.69	ug/Kgdrywt	1	5	4.4	0.69	2.2
Methylene Chloride	U	7.0	ug/Kgdrywt	1	25	22.	7.0	11.
Acetone	I	6.2	ug/Kgdrywt	1	25	22.	4.5	11.
trans-1,2-Dichloroethene	U	0.63	ug/Kgdrywt	1	5	4.4	0.63	2.2
Methyl tert-butyl Ether	U	0.98	ug/Kgdrywt	1	5	4.4	0.98	2.2
1,1-Dichloroethane	U	1.5	ug/Kgdrywt	1	5	4.4	1.5	2.2
cis-1,2-Dichloroethene	U	0.81	ug/Kgdrywt	1	5	4.4	0.81	2.2
Bromochloromethane	U	0.81	ug/Kgdrywt	1	5	4.4	0.81	2.2
Chloroform	U	0.31	ug/Kgdrywt	1	5	4.4	0.31	2.2
Carbon Tetrachloride	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
1,1,1-Trichloroethane	U	0.37	ug/Kgdrywt	1	5	4.4	0.37	2.2
2-Butanone	U	5.2	ug/Kgdrywt	1	25	22.	5.2	11.
Benzene	U	0.82	ug/Kgdrywt	1	5	4.4	0.82	2.2
1,2-Dichloroethane	U	0.89	ug/Kgdrywt	1	5	4.4	0.89	2.2
Trichloroethene	U	0.52	ug/Kgdrywt	1	5	4.4	0.52	2.2
1,2-Dichloropropane	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
Bromodichloromethane	U	0.53	ug/Kgdrywt	1	5	4.4	0.53	2.2
cis-1,3-Dichloropropene	U	0.64	ug/Kgdrywt	1	5	4.4	0.64	2.2
Toluene	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
4-Methyl-2-Pentanone	U	5.2	ug/Kgdrywt	1	25	22.	5.2	11.
Tetrachloroethene	I	1.3	ug/Kgdrywt	1	5	4.4	1.1	2.2
trans-1,3-Dichloropropene	U	0.76	ug/Kgdrywt	1	5	4.4	0.76	2.2
1,1,2-Trichloroethane	U	0.86	ug/Kgdrywt	1	5	4.4	0.86	2.2
Dibromochloromethane	U	0.89	ug/Kgdrywt	1	5	4.4	0.89	2.2
1,2-Dibromoethane	U	1.1	ug/Kgdrywt	1	5	4.4	1.1	2.2
2-Hexanone	U	4.3	ug/Kgdrywt	1	25	22.	4.3	11.
Chlorobenzene	U	0.45	ug/Kgdrywt	1	5	4.4	0.45	2.2
Ethylbenzene	U	0.58	ug/Kgdrywt	1	5	4.4	0.58	2.2

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1RA
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.5	ug/Kgdrywt	1	10	8.9	1.5	4.4
o-Xylene	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
Styrene	U	0.45	ug/Kgdrywt	1	5	4.4	0.45	2.2
Bromoform	U	0.62	ug/Kgdrywt	1	5	4.4	0.62	2.2
Isopropylbenzene	U	0.82	ug/Kgdrywt	1	5	4.4	0.82	2.2
1,1,2,2-Tetrachloroethane	U	0.75	ug/Kgdrywt	1	5	4.4	0.75	2.2
1,3-Dichlorobenzene	U	0.55	ug/Kgdrywt	1	5	4.4	0.55	2.2
1,4-Dichlorobenzene	U	0.39	ug/Kgdrywt	1	5	4.4	0.39	2.2
1,2-Dichlorobenzene	U	0.69	ug/Kgdrywt	1	5	4.4	0.69	2.2
1,2-Dibromo-3-Chloropropane	U	1.3	ug/Kgdrywt	1	5	4.4	1.3	2.2
1,2,4-Trichlorobenzene	U	0.70	ug/Kgdrywt	1	5	4.4	0.70	2.2
1,2,3-Trichlorobenzene	U	0.68	ug/Kgdrywt	1	5	4.4	0.68	2.2
Freon-113	U	0.80	ug/Kgdrywt	1	5	4.4	0.80	2.2
1,4-Dioxane	U	29.	ug/Kgdrywt	1	500	440	29.	220
Cyclohexane	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
Methyl acetate	U	2.4	ug/Kgdrywt	1	5	4.4	2.4	2.7
Methylcyclohexane	U	0.85	ug/Kgdrywt	1	5	4.4	0.85	2.2
p-Bromofluorobenzene		86.2	%					
Toluene-D8		99.3	%					
1,2-Dichloroethane-D4		110.	%					
Dibromofluoromethane		106.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2RA2
Client ID: SBF1-50-55'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 84.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.85	ug/Kgdrywt	1	10	9.2	0.85	4.6
Chloromethane	U	1.3	ug/Kgdrywt	1	10	9.2	1.3	4.6
Vinyl Chloride	U	0.80	ug/Kgdrywt	1	10	9.2	0.80	4.6
Bromomethane	U	1.0	ug/Kgdrywt	1	10	9.2	1.0	4.6
Chloroethane	U	1.2	ug/Kgdrywt	1	10	9.2	1.2	4.6
Trichlorofluoromethane	U	0.84	ug/Kgdrywt	1	10	9.2	0.84	4.6
1,1-Dichloroethene	U	0.86	ug/Kgdrywt	1	5	4.6	0.86	2.3
Carbon Disulfide	U	0.72	ug/Kgdrywt	1	5	4.6	0.72	2.3
Methylene Chloride	U	7.3	ug/Kgdrywt	1	25	23.	7.3	12.
Acetone	I	6.1	ug/Kgdrywt	1	25	23.	4.7	12.
trans-1,2-Dichloroethene	U	0.65	ug/Kgdrywt	1	5	4.6	0.65	2.3
Methyl tert-butyl Ether	U	1.0	ug/Kgdrywt	1	5	4.6	1.0	2.3
1,1-Dichloroethane	U	1.6	ug/Kgdrywt	1	5	4.6	1.6	2.3
cis-1,2-Dichloroethene	U	0.84	ug/Kgdrywt	1	5	4.6	0.84	2.3
Bromochloromethane	U	0.84	ug/Kgdrywt	1	5	4.6	0.84	2.3
Chloroform	U	0.32	ug/Kgdrywt	1	5	4.6	0.32	2.3
Carbon Tetrachloride	U	1.2	ug/Kgdrywt	1	5	4.6	1.2	2.3
1,1,1-Trichloroethane	U	0.39	ug/Kgdrywt	1	5	4.6	0.39	2.3
2-Butanone	U	5.4	ug/Kgdrywt	1	25	23.	5.4	12.
Benzene	U	0.85	ug/Kgdrywt	1	5	4.6	0.85	2.3
1,2-Dichloroethane	U	0.92	ug/Kgdrywt	1	5	4.6	0.92	2.3
Trichloroethene	U	0.54	ug/Kgdrywt	1	5	4.6	0.54	2.3
1,2-Dichloropropane	U	1.3	ug/Kgdrywt	1	5	4.6	1.3	2.3
Bromodichloromethane	U	0.55	ug/Kgdrywt	1	5	4.6	0.55	2.3
cis-1,3-Dichloropropene	U	0.66	ug/Kgdrywt	1	5	4.6	0.66	2.3
Toluene	U	1.3	ug/Kgdrywt	1	5	4.6	1.3	2.3
4-Methyl-2-Pentanone	U	5.4	ug/Kgdrywt	1	25	23.	5.4	12.
Tetrachloroethene	I	1.3	ug/Kgdrywt	1	5	4.6	1.1	2.3
trans-1,3-Dichloropropene	U	0.79	ug/Kgdrywt	1	5	4.6	0.79	2.3
1,1,2-Trichloroethane	U	0.89	ug/Kgdrywt	1	5	4.6	0.89	2.3
Dibromochloromethane	U	0.92	ug/Kgdrywt	1	5	4.6	0.92	2.3
1,2-Dibromoethane	U	1.1	ug/Kgdrywt	1	5	4.6	1.1	2.3
2-Hexanone	U	4.4	ug/Kgdrywt	1	25	23.	4.4	12.
Chlorobenzene	U	0.47	ug/Kgdrywt	1	5	4.6	0.47	2.3
Ethylbenzene	U	0.60	ug/Kgdrywt	1	5	4.6	0.60	2.3

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2RA2
Client ID: SBF1-50-55'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 84.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.6	ug/Kgdrywt	1	10	9.2	1.6	4.6
o-Xylene	U	1.2	ug/Kgdrywt	1	5	4.6	1.2	2.3
Styrene	U	0.47	ug/Kgdrywt	1	5	4.6	0.47	2.3
Bromoform	U	0.64	ug/Kgdrywt	1	5	4.6	0.64	2.3
Isopropylbenzene	U	0.85	ug/Kgdrywt	1	5	4.6	0.85	2.3
1,1,2,2-Tetrachloroethane	U	0.77	ug/Kgdrywt	1	5	4.6	0.77	2.3
1,3-Dichlorobenzene	U	0.57	ug/Kgdrywt	1	5	4.6	0.57	2.3
1,4-Dichlorobenzene	U	0.40	ug/Kgdrywt	1	5	4.6	0.40	2.3
1,2-Dichlorobenzene	U	0.72	ug/Kgdrywt	1	5	4.6	0.72	2.3
1,2-Dibromo-3-Chloropropane	U	1.4	ug/Kgdrywt	1	5	4.6	1.4	2.3
1,2,4-Trichlorobenzene	U	0.73	ug/Kgdrywt	1	5	4.6	0.73	2.3
1,2,3-Trichlorobenzene	U	0.70	ug/Kgdrywt	1	5	4.6	0.70	2.3
Freon-113	U	0.83	ug/Kgdrywt	1	5	4.6	0.83	2.3
1,4-Dioxane	U	30.	ug/Kgdrywt	1	500	460	30.	230
Cyclohexane	U	1.3	ug/Kgdrywt	1	5	4.6	1.3	2.3
Methyl acetate	U	2.5	ug/Kgdrywt	1	5	4.6	2.5	2.8
Methylcyclohexane	U	0.88	ug/Kgdrywt	1	5	4.6	0.88	2.3
p-Bromofluorobenzene		72.1	%					
Toluene-D8		84.4	%					
1,2-Dichloroethane-D4		85.6	%					
Dibromofluoromethane		82.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58'-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 81.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.92	ug/Kgdrywt	1	10	10.	0.92	5.0
Chloromethane	U	1.4	ug/Kgdrywt	1	10	10.	1.4	5.0
Vinyl Chloride	U	0.87	ug/Kgdrywt	1	10	10.	0.87	5.0
Bromomethane	U	1.1	ug/Kgdrywt	1	10	10.	1.1	5.0
Chloroethane	U	1.3	ug/Kgdrywt	1	10	10.	1.3	5.0
Trichlorofluoromethane	U	0.91	ug/Kgdrywt	1	10	10.	0.91	5.0
1,1-Dichloroethene	U	0.93	ug/Kgdrywt	1	5	5.0	0.93	2.5
Carbon Disulfide	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
Methylene Chloride	U	7.9	ug/Kgdrywt	1	25	25.	7.9	12.
Acetone	I	7.4	ug/Kgdrywt	1	25	25.	5.1	12.
trans-1,2-Dichloroethene	U	0.71	ug/Kgdrywt	1	5	5.0	0.71	2.5
Methyl tert-butyl Ether	U	1.1	ug/Kgdrywt	1	5	5.0	1.1	2.5
1,1-Dichloroethane	U	1.7	ug/Kgdrywt	1	5	5.0	1.7	2.5
cis-1,2-Dichloroethene	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Bromochloromethane	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Chloroform	U	0.35	ug/Kgdrywt	1	5	5.0	0.35	2.5
Carbon Tetrachloride	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
1,1,1-Trichloroethane	U	0.42	ug/Kgdrywt	1	5	5.0	0.42	2.5
2-Butanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Benzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,2-Dichloroethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
Trichloroethene	U	0.59	ug/Kgdrywt	1	5	5.0	0.59	2.5
1,2-Dichloropropane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Bromodichloromethane	U	0.60	ug/Kgdrywt	1	5	5.0	0.60	2.5
cis-1,3-Dichloropropene	U	0.72	ug/Kgdrywt	1	5	5.0	0.72	2.5
Toluene	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
4-Methyl-2-Pentanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Tetrachloroethene	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
trans-1,3-Dichloropropene	U	0.86	ug/Kgdrywt	1	5	5.0	0.86	2.5
1,1,2-Trichloroethane	U	0.97	ug/Kgdrywt	1	5	5.0	0.97	2.5
Dibromochloromethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
1,2-Dibromoethane	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
2-Hexanone	U	4.8	ug/Kgdrywt	1	25	25.	4.8	12.
Chlorobenzene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5
Ethylbenzene	U	0.65	ug/Kgdrywt	1	5	5.0	0.65	2.5

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SD7209-3
 Client ID: SBF1-55-58'-11/2010
 Project: OLF Saufley Field, FL- CTO.
 SDG: CTOJM30-1

Sample Date: 17-NOV-10
 Received Date: 18-NOV-10
 Extract Date:
 Extracted By: TTC
 Extraction Method:
 Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
 Analyst: TTC
 Analysis Method: SW846 8260B
 Matrix: SL
 % Solids: 81.
 Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.7	ug/Kgdrywt	1	10	10.	1.7	5.0
o-Xylene	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
Styrene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5
Bromoform	U	0.70	ug/Kgdrywt	1	5	5.0	0.70	2.5
Isopropylbenzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,1,2,2-Tetrachloroethane	U	0.84	ug/Kgdrywt	1	5	5.0	0.84	2.5
1,3-Dichlorobenzene	U	0.62	ug/Kgdrywt	1	5	5.0	0.62	2.5
1,4-Dichlorobenzene	U	0.44	ug/Kgdrywt	1	5	5.0	0.44	2.5
1,2-Dichlorobenzene	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
1,2-Dibromo-3-Chloropropane	U	1.5	ug/Kgdrywt	1	5	5.0	1.5	2.5
1,2,4-Trichlorobenzene	U	0.79	ug/Kgdrywt	1	5	5.0	0.79	2.5
1,2,3-Trichlorobenzene	U	0.76	ug/Kgdrywt	1	5	5.0	0.76	2.5
Freon-113	U	0.90	ug/Kgdrywt	1	5	5.0	0.90	2.5
1,4-Dioxane	U	33.	ug/Kgdrywt	1	500	500	33.	250
Cyclohexane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Methyl acetate	U	2.7	ug/Kgdrywt	1	5	5.0	2.7	3.0
Methylcyclohexane	U	0.96	ug/Kgdrywt	1	5	5.0	0.96	2.5
p-Bromofluorobenzene		96.5	%					
Toluene-D8		109.	%					
1,2-Dichloroethane-D4		118.	%					
Dibromofluoromethane		107.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.81	ug/Kgdrywt	1	10	8.8	0.81	4.4
Chloromethane	U	1.2	ug/Kgdrywt	1	10	8.8	1.2	4.4
Vinyl Chloride	U	0.76	ug/Kgdrywt	1	10	8.8	0.76	4.4
Bromomethane	U	0.97	ug/Kgdrywt	1	10	8.8	0.97	4.4
Chloroethane	U	1.1	ug/Kgdrywt	1	10	8.8	1.1	4.4
Trichlorofluoromethane	U	0.80	ug/Kgdrywt	1	10	8.8	0.80	4.4
1,1-Dichloroethene	U	0.82	ug/Kgdrywt	1	5	4.4	0.82	2.2
Carbon Disulfide	U	0.69	ug/Kgdrywt	1	5	4.4	0.69	2.2
Methylene Chloride	U	7.0	ug/Kgdrywt	1	25	22.	7.0	11.
Acetone	U	4.5	ug/Kgdrywt	1	25	22.	4.5	11.
trans-1,2-Dichloroethene	U	0.62	ug/Kgdrywt	1	5	4.4	0.62	2.2
Methyl tert-butyl Ether	U	0.97	ug/Kgdrywt	1	5	4.4	0.97	2.2
1,1-Dichloroethane	U	1.5	ug/Kgdrywt	1	5	4.4	1.5	2.2
cis-1,2-Dichloroethene	U	0.80	ug/Kgdrywt	1	5	4.4	0.80	2.2
Bromochloromethane	U	0.80	ug/Kgdrywt	1	5	4.4	0.80	2.2
Chloroform	U	0.31	ug/Kgdrywt	1	5	4.4	0.31	2.2
Carbon Tetrachloride	U	1.1	ug/Kgdrywt	1	5	4.4	1.1	2.2
1,1,1-Trichloroethane	U	0.37	ug/Kgdrywt	1	5	4.4	0.37	2.2
2-Butanone	U	5.2	ug/Kgdrywt	1	25	22.	5.2	11.
Benzene	U	0.81	ug/Kgdrywt	1	5	4.4	0.81	2.2
1,2-Dichloroethane	U	0.88	ug/Kgdrywt	1	5	4.4	0.88	2.2
Trichloroethene	U	0.52	ug/Kgdrywt	1	5	4.4	0.52	2.2
1,2-Dichloropropane	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
Bromodichloromethane	U	0.53	ug/Kgdrywt	1	5	4.4	0.53	2.2
cis-1,3-Dichloropropene	U	0.63	ug/Kgdrywt	1	5	4.4	0.63	2.2
Toluene	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
4-Methyl-2-Pentanone	U	5.2	ug/Kgdrywt	1	25	22.	5.2	11.
Tetrachloroethene	U	1.0	ug/Kgdrywt	1	5	4.4	1.0	2.2
trans-1,3-Dichloropropene	U	0.76	ug/Kgdrywt	1	5	4.4	0.76	2.2
1,1,2-Trichloroethane	U	0.85	ug/Kgdrywt	1	5	4.4	0.85	2.2
Dibromochloromethane	U	0.88	ug/Kgdrywt	1	5	4.4	0.88	2.2
1,2-Dibromoethane	U	1.0	ug/Kgdrywt	1	5	4.4	1.0	2.2
2-Hexanone	U	4.2	ug/Kgdrywt	1	25	22.	4.2	11.
Chlorobenzene	U	0.45	ug/Kgdrywt	1	5	4.4	0.45	2.2
Ethylbenzene	U	0.57	ug/Kgdrywt	1	5	4.4	0.57	2.2

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	1.5	ug/Kgdrywt	1	10	8.8	1.5	4.4
o-Xylene	U	1.1	ug/Kgdrywt	1	5	4.4	1.1	2.2
Styrene	U	0.45	ug/Kgdrywt	1	5	4.4	0.45	2.2
Bromoform	U	0.62	ug/Kgdrywt	1	5	4.4	0.62	2.2
Isopropylbenzene	U	0.81	ug/Kgdrywt	1	5	4.4	0.81	2.2
1,1,2,2-Tetrachloroethane	U	0.74	ug/Kgdrywt	1	5	4.4	0.74	2.2
1,3-Dichlorobenzene	U	0.54	ug/Kgdrywt	1	5	4.4	0.54	2.2
1,4-Dichlorobenzene	U	0.39	ug/Kgdrywt	1	5	4.4	0.39	2.2
1,2-Dichlorobenzene	U	0.69	ug/Kgdrywt	1	5	4.4	0.69	2.2
1,2-Dibromo-3-Chloropropane	U	1.3	ug/Kgdrywt	1	5	4.4	1.3	2.2
1,2,4-Trichlorobenzene	U	0.70	ug/Kgdrywt	1	5	4.4	0.70	2.2
1,2,3-Trichlorobenzene	U	0.67	ug/Kgdrywt	1	5	4.4	0.67	2.2
Freon-113	U	0.79	ug/Kgdrywt	1	5	4.4	0.79	2.2
1,4-Dioxane	U	29.	ug/Kgdrywt	1	500	440	29.	220
Cyclohexane	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
Methyl acetate	U	2.4	ug/Kgdrywt	1	5	4.4	2.4	2.6
Methylcyclohexane	U	0.84	ug/Kgdrywt	1	5	4.4	0.84	2.2
p-Bromofluorobenzene		85.7	%					
Toluene-D8		101.	%					
1,2-Dichloroethane-D4		102.	%					
Dibromofluoromethane		95.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-12
Client ID: TRIP BLANK FOR SOIL
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 100
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.92	ug/Kgdrywt	1	10	10.	0.92	5.0
Chloromethane	U	1.4	ug/Kgdrywt	1	10	10.	1.4	5.0
Vinyl Chloride	U	0.87	ug/Kgdrywt	1	10	10.	0.87	5.0
Bromomethane	U	1.1	ug/Kgdrywt	1	10	10.	1.1	5.0
Chloroethane	U	1.3	ug/Kgdrywt	1	10	10.	1.3	5.0
Trichlorofluoromethane	U	0.91	ug/Kgdrywt	1	10	10.	0.91	5.0
1,1-Dichloroethene	U	0.93	ug/Kgdrywt	1	5	5.0	0.93	2.5
Carbon Disulfide	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
Methylene Chloride	U	7.9	ug/Kgdrywt	1	25	25.	7.9	12.
Acetone	I	5.3	ug/Kgdrywt	1	25	25.	5.1	12.
trans-1,2-Dichloroethene	U	0.71	ug/Kgdrywt	1	5	5.0	0.71	2.5
Methyl tert-butyl Ether	U	1.1	ug/Kgdrywt	1	5	5.0	1.1	2.5
1,1-Dichloroethane	U	1.7	ug/Kgdrywt	1	5	5.0	1.7	2.5
cis-1,2-Dichloroethene	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Bromochloromethane	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Chloroform	U	0.35	ug/Kgdrywt	1	5	5.0	0.35	2.5
Carbon Tetrachloride	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
1,1,1-Trichloroethane	U	0.42	ug/Kgdrywt	1	5	5.0	0.42	2.5
2-Butanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Benzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,2-Dichloroethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
Trichloroethene	U	0.59	ug/Kgdrywt	1	5	5.0	0.59	2.5
1,2-Dichloropropane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Bromodichloromethane	U	0.60	ug/Kgdrywt	1	5	5.0	0.60	2.5
cis-1,3-Dichloropropene	U	0.72	ug/Kgdrywt	1	5	5.0	0.72	2.5
Toluene	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
4-Methyl-2-Pentanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Tetrachloroethene	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
trans-1,3-Dichloropropene	U	0.86	ug/Kgdrywt	1	5	5.0	0.86	2.5
1,1,2-Trichloroethane	U	0.97	ug/Kgdrywt	1	5	5.0	0.97	2.5
Dibromochloromethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
1,2-Dibromoethane	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
2-Hexanone	U	4.8	ug/Kgdrywt	1	25	25.	4.8	12.
Chlorobenzene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5
Ethylbenzene	U	0.65	ug/Kgdrywt	1	5	5.0	0.65	2.5

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-12
Client ID: TRIP BLANK FOR SOIL
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 100
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJMDL	ADJ LOD
m+p-Xylenes	U	1.7	ug/Kgdrywt	1	10	10.	1.7	5.0
o-Xylene	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
Styrene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5
Bromoform	U	0.70	ug/Kgdrywt	1	5	5.0	0.70	2.5
Isopropylbenzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,1,2,2-Tetrachloroethane	U	0.84	ug/Kgdrywt	1	5	5.0	0.84	2.5
1,3-Dichlorobenzene	U	0.62	ug/Kgdrywt	1	5	5.0	0.62	2.5
1,4-Dichlorobenzene	U	0.44	ug/Kgdrywt	1	5	5.0	0.44	2.5
1,2-Dichlorobenzene	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
1,2-Dibromo-3-Chloropropane	U	1.5	ug/Kgdrywt	1	5	5.0	1.5	2.5
1,2,4-Trichlorobenzene	U	0.79	ug/Kgdrywt	1	5	5.0	0.79	2.5
1,2,3-Trichlorobenzene	U	0.76	ug/Kgdrywt	1	5	5.0	0.76	2.5
Freon-113	U	0.90	ug/Kgdrywt	1	5	5.0	0.90	2.5
1,4-Dioxane	U	33.	ug/Kgdrywt	1	500	500	33.	250
Cyclohexane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Methyl acetate	U	2.7	ug/Kgdrywt	1	5	5.0	2.7	3.0
Methylcyclohexane	U	0.96	ug/Kgdrywt	1	5	5.0	0.96	2.5
p-Bromofluorobenzene		95.7	%					
Toluene-D8		109.	%					
1,2-Dichloroethane-D4		117.	%					
Dibromofluoromethane		112.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	I	3.1	ug/L	1	5	5.0	1.1	2.5
Acetone		15.	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	I	0.66	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,4-Dioxane	U	8.8	ug/L	1	100	100	8.8	50.
P-Bromofluorobenzene		101.	%					
Toluene-d8		112.	%					
1,2-Dichloroethane-d4		111.	%					
Dibromofluoromethane		118.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SD7209-11
 Client ID: TB11171001
 Project: OLF Saufley Field, FL- CTO.
 SDG: CTOJM30-1

Sample Date: 17-NOV-10
 Received Date: 18-NOV-10
 Extract Date:
 Extracted By: DJP
 Extraction Method:
 Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
 Analyst: DJP
 Analysis Method: SW846 8260B
 Matrix: AQ
 % Solids: NA
 Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-11
Client ID: TB11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,4-Dioxane	U	8.8	ug/L	1	100	100	8.8	50.
P-Bromofluorobenzene		104.	%					
Toluene-d8		116.	%					
1,2-Dichloroethane-d4		117.	%					
Dibromofluoromethane		124.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 90.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	160	ug/Kgdrywt	1	330	340	160	260
Bis(2-Chloroethyl) Ether	U	85.	ug/Kgdrywt	1	330	340	85.	260
2-Chlorophenol	U	170	ug/Kgdrywt	1	330	340	170	260
2-Methylphenol	U	210	ug/Kgdrywt	1	330	340	210	260
2,2'-Oxybis(1-Chloropropane)	U	93.	ug/Kgdrywt	1	330	340	93.	260
3&4-Methylphenol	U	200	ug/Kgdrywt	1	330	340	200	260
N-Nitroso-Di-N-Propylamine	U	87.	ug/Kgdrywt	1	330	340	87.	260
Hexachloroethane	U	100	ug/Kgdrywt	1	330	340	100	260
Nitrobenzene	U	95.	ug/Kgdrywt	1	330	340	95.	260
Isophorone	U	78.	ug/Kgdrywt	1	330	340	78.	260
2-Nitrophenol	U	170	ug/Kgdrywt	1	330	340	170	260
2,4-Dimethylphenol	U	170	ug/Kgdrywt	1	330	340	170	260
Bis(2-Chloroethoxy) Methane	U	100	ug/Kgdrywt	1	330	340	100	260
2,4-Dichlorophenol	U	160	ug/Kgdrywt	1	330	340	160	260
4-Chloroaniline	U	120	ug/Kgdrywt	1	330	340	120	260
Hexachlorobutadiene	U	87.	ug/Kgdrywt	1	330	340	87.	260
4-Chloro-3-Methylphenol	U	170	ug/Kgdrywt	1	330	340	170	260
2,4,6-Trichlorophenol	U	160	ug/Kgdrywt	1	330	340	160	260
2,4,5-Trichlorophenol	U	160	ug/Kgdrywt	1	820	860	160	640
2-Chloronaphthalene	U	91.	ug/Kgdrywt	1	330	340	91.	260
2-Nitroaniline	U	78.	ug/Kgdrywt	1	820	860	78.	640
Dimethyl Phthalate	U	82.	ug/Kgdrywt	1	330	340	82.	260
2,6-Dinitrotoluene	U	83.	ug/Kgdrywt	1	330	340	83.	260
3-Nitroaniline	U	98.	ug/Kgdrywt	1	820	860	98.	640
2,4-Dinitrophenol	U	390	ug/Kgdrywt	1	820	860	390	640
4-Nitrophenol	U	320	ug/Kgdrywt	1	820	860	320	640
Dibenzofuran	U	83.	ug/Kgdrywt	1	330	340	83.	260
2,4-Dinitrotoluene	U	89.	ug/Kgdrywt	1	330	340	89.	260
Diethylphthalate	U	84.	ug/Kgdrywt	1	330	340	84.	260
4-Chlorophenyl-Phenylether	U	82.	ug/Kgdrywt	1	330	340	82.	260
4-Nitroaniline	U	140	ug/Kgdrywt	1	820	860	140	640
4,6-Dinitro-2-Methylphenol	U	350	ug/Kgdrywt	1	820	860	350	640
N-Nitrosodiphenylamine	U	230	ug/Kgdrywt	1	330	340	230	260
4-Bromophenyl-Phenylether	U	89.	ug/Kgdrywt	1	330	340	89.	260
Hexachlorobenzene	U	86.	ug/Kgdrywt	1	330	340	86.	260

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 90.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	250	ug/Kgdrywt	1	820	860	250	640
Carbazole	U	120	ug/Kgdrywt	1	330	340	120	260
Di-N-Butylphthalate	U	100	ug/Kgdrywt	1	330	340	100	260
Butylbenzylphthalate	U	97.	ug/Kgdrywt	1	330	340	97.	260
3,3'-Dichlorobenzidine	U	120	ug/Kgdrywt	1	330	340	120	260
Bis(2-Ethylhexyl)Phthalate	U	100	ug/Kgdrywt	1	330	340	100	260
Di-N-Octylphthalate	U	220	ug/Kgdrywt	1	330	340	220	260
1,1'-biphenyl	U	76.	ug/Kgdrywt	1	330	340	76.	260
Hexachlorocyclopentadiene	U	86.	ug/Kgdrywt	1	330	340	86.	260
Caprolactam	U	150	ug/Kgdrywt	1	330	340	150	260
Benzaldehyde	U	120	ug/Kgdrywt	1	330	340	120	260
Atrazine	U	95.	ug/Kgdrywt	1	330	340	95.	260
Acetophenone	U	190	ug/Kgdrywt	1	330	340	190	260
2,3,4,6-Tetrachlorophenol	U	150	ug/Kgdrywt	1	330	340	150	260
1,2,4,5-Tetrachlorobenzene	U	140	ug/Kgdrywt	1	330	340	140	260
2-Fluorophenol		50.7	%					
Phenol-D6		53.0	%					
Nitrobenzene-d5		52.0	%					
2-Fluorobiphenyl		63.8	%					
2,4,6-Tribromophenol		69.6	%					
Terphenyl-d14		62.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	200	ug/Kgdrywt	1	330	420	200	310
Bis(2-Chloroethyl) Ether	U	100	ug/Kgdrywt	1	330	420	100	310
2-Chlorophenol	U	210	ug/Kgdrywt	1	330	420	210	310
2-Methylphenol	U	250	ug/Kgdrywt	1	330	420	250	310
2,2'-Oxybis(1-Chloropropane)	U	110	ug/Kgdrywt	1	330	420	110	310
3&4-Methylphenol	U	240	ug/Kgdrywt	1	330	420	240	310
N-Nitroso-Di-N-Propylamine	U	100	ug/Kgdrywt	1	330	420	100	310
Hexachloroethane	U	120	ug/Kgdrywt	1	330	420	120	310
Nitrobenzene	U	110	ug/Kgdrywt	1	330	420	110	310
Isophorone	U	95.	ug/Kgdrywt	1	330	420	95.	310
2-Nitrophenol	U	210	ug/Kgdrywt	1	330	420	210	310
2,4-Dimethylphenol	U	210	ug/Kgdrywt	1	330	420	210	310
Bis(2-Chloroethoxy) Methane	U	120	ug/Kgdrywt	1	330	420	120	310
2,4-Dichlorophenol	U	190	ug/Kgdrywt	1	330	420	190	310
4-Chloroaniline	U	150	ug/Kgdrywt	1	330	420	150	310
Hexachlorobutadiene	U	100	ug/Kgdrywt	1	330	420	100	310
4-Chloro-3-Methylphenol	U	210	ug/Kgdrywt	1	330	420	210	310
2,4,6-Trichlorophenol	U	200	ug/Kgdrywt	1	330	420	200	310
2,4,5-Trichlorophenol	U	200	ug/Kgdrywt	1	820	1000	200	780
2-Chloronaphthalene	U	110	ug/Kgdrywt	1	330	420	110	310
2-Nitroaniline	U	95.	ug/Kgdrywt	1	820	1000	95.	780
Dimethyl Phthalate	U	98.	ug/Kgdrywt	1	330	420	98.	310
2,6-Dinitrotoluene	U	100	ug/Kgdrywt	1	330	420	100	310
3-Nitroaniline	U	120	ug/Kgdrywt	1	820	1000	120	780
2,4-Dinitrophenol	U	480	ug/Kgdrywt	1	820	1000	480	780
4-Nitrophenol	U	390	ug/Kgdrywt	1	820	1000	390	780
Dibenzofuran	U	100	ug/Kgdrywt	1	330	420	100	310
2,4-Dinitrotoluene	U	110	ug/Kgdrywt	1	330	420	110	310
Diethylphthalate	U	100	ug/Kgdrywt	1	330	420	100	310
4-Chlorophenyl-Phenylether	U	98.	ug/Kgdrywt	1	330	420	98.	310
4-Nitroaniline	U	170	ug/Kgdrywt	1	820	1000	170	780
4,6-Dinitro-2-Methylphenol	U	420	ug/Kgdrywt	1	820	1000	420	780
N-Nitrosodiphenylamine	U	280	ug/Kgdrywt	1	330	420	280	310
4-Bromophenyl-Phenylether	U	110	ug/Kgdrywt	1	330	420	110	310
Hexachlorobenzene	U	100	ug/Kgdrywt	1	330	420	100	310

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJLOQ	ADJMDL	ADJLOD
Pentachlorophenol	U	300	ug/Kgdrywt	1	820	1000	300	780
Carbazole	U	140	ug/Kgdrywt	1	330	420	140	310
Di-N-Butylphthalate	U	130	ug/Kgdrywt	1	330	420	130	310
Butylbenzylphthalate	U	120	ug/Kgdrywt	1	330	420	120	310
3,3'-Dichlorobenzidine	U	140	ug/Kgdrywt	1	330	420	140	310
Bis(2-Ethylhexyl)Phthalate	U	120	ug/Kgdrywt	1	330	420	120	310
Di-N-Octylphthalate	U	270	ug/Kgdrywt	1	330	420	270	310
1,1'-biphenyl	U	92.	ug/Kgdrywt	1	330	420	92.	310
Hexachlorocyclopentadiene	U	100	ug/Kgdrywt	1	330	420	100	310
Caprolactam	U	180	ug/Kgdrywt	1	330	420	180	310
Benzaldehyde	U	150	ug/Kgdrywt	1	330	420	150	310
Atrazine	U	110	ug/Kgdrywt	1	330	420	110	310
Acetophenone	U	220	ug/Kgdrywt	1	330	420	220	310
2,3,4,6-Tetrachlorophenol	U	180	ug/Kgdrywt	1	330	420	180	310
1,2,4,5-Tetrachlorobenzene	U	170	ug/Kgdrywt	1	330	420	170	310
2-Fluorophenol		44.2	%					
Phenol-D6		46.3	%					
Nitrobenzene-d5		44.0	%					
2-Fluorobiphenyl		54.3	%					
2,4,6-Tribromophenol		67.0	%					
Terphenyl-d14		66.2	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	150	ug/Kgdrywt	1	330	320	150	240
Bis(2-Chloroethyl) Ether	U	80.	ug/Kgdrywt	1	330	320	80.	240
2-Chlorophenol	U	160	ug/Kgdrywt	1	330	320	160	240
2-Methylphenol	U	200	ug/Kgdrywt	1	330	320	200	240
2,2'-Oxybis(1-Chloropropane)	U	87.	ug/Kgdrywt	1	330	320	87.	240
3&4-Methylphenol	U	180	ug/Kgdrywt	1	330	320	180	240
N-Nitroso-Di-N-Propylamine	U	82.	ug/Kgdrywt	1	330	320	82.	240
Hexachloroethane	U	94.	ug/Kgdrywt	1	330	320	94.	240
Nitrobenzene	U	89.	ug/Kgdrywt	1	330	320	89.	240
Isophorone	U	74.	ug/Kgdrywt	1	330	320	74.	240
2-Nitrophenol	U	160	ug/Kgdrywt	1	330	320	160	240
2,4-Dimethylphenol	U	160	ug/Kgdrywt	1	330	320	160	240
Bis(2-Chloroethoxy) Methane	U	94.	ug/Kgdrywt	1	330	320	94.	240
2,4-Dichlorophenol	U	150	ug/Kgdrywt	1	330	320	150	240
4-Chloroaniline	U	120	ug/Kgdrywt	1	330	320	120	240
Hexachlorobutadiene	U	82.	ug/Kgdrywt	1	330	320	82.	240
4-Chloro-3-Methylphenol	U	160	ug/Kgdrywt	1	330	320	160	240
2,4,6-Trichlorophenol	U	150	ug/Kgdrywt	1	330	320	150	240
2,4,5-Trichlorophenol	U	150	ug/Kgdrywt	1	820	800	150	600
2-Chloronaphthalene	U	85.	ug/Kgdrywt	1	330	320	85.	240
2-Nitroaniline	U	74.	ug/Kgdrywt	1	820	800	74.	600
Dimethyl Phthalate	U	77.	ug/Kgdrywt	1	330	320	77.	240
2,6-Dinitrotoluene	U	78.	ug/Kgdrywt	1	330	320	78.	240
3-Nitroaniline	U	92.	ug/Kgdrywt	1	820	800	92.	600
2,4-Dinitrophenol	U	370	ug/Kgdrywt	1	820	800	370	600
4-Nitrophenol	U	300	ug/Kgdrywt	1	820	800	300	600
Dibenzofuran	U	78.	ug/Kgdrywt	1	330	320	78.	240
2,4-Dinitrotoluene	U	83.	ug/Kgdrywt	1	330	320	83.	240
Diethylphthalate	U	78.	ug/Kgdrywt	1	330	320	78.	240
4-Chlorophenyl-Phenylether	U	77.	ug/Kgdrywt	1	330	320	77.	240
4-Nitroaniline	U	130	ug/Kgdrywt	1	820	800	130	600
4,6-Dinitro-2-Methylphenol	U	330	ug/Kgdrywt	1	820	800	330	600
N-Nitrosodiphenylamine	U	220	ug/Kgdrywt	1	330	320	220	240
4-Bromophenyl-Phenylether	U	83.	ug/Kgdrywt	1	330	320	83.	240
Hexachlorobenzene	U	80.	ug/Kgdrywt	1	330	320	80.	240

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	230	ug/Kgdrywt	1	820	800	230	600
Carbazole	U	110	ug/Kgdrywt	1	330	320	110	240
Di-N-Butylphthalate	U	99.	ug/Kgdrywt	1	330	320	99.	240
Butylbenzylphthalate	U	91.	ug/Kgdrywt	1	330	320	91.	240
3,3'-Dichlorobenzidine	U	110	ug/Kgdrywt	1	330	320	110	240
Bis(2-Ethylhexyl)Phthalate	U	96.	ug/Kgdrywt	1	330	320	96.	240
Di-N-Octylphthalate	U	210	ug/Kgdrywt	1	330	320	210	240
1,1'-biphenyl	U	72.	ug/Kgdrywt	1	330	320	72.	240
Hexachlorocyclopentadiene	U	80.	ug/Kgdrywt	1	330	320	80.	240
Caprolactam	U	140	ug/Kgdrywt	1	330	320	140	240
Benzaldehyde	U	120	ug/Kgdrywt	1	330	320	120	240
Atrazine	U	89.	ug/Kgdrywt	1	330	320	89.	240
Acetophenone	U	170	ug/Kgdrywt	1	330	320	170	240
2,3,4,6-Tetrachlorophenol	U	140	ug/Kgdrywt	1	330	320	140	240
1,2,4,5-Tetrachlorobenzene	U	130	ug/Kgdrywt	1	330	320	130	240
2-Fluorophenol		57.2	%					
Phenol-D6		59.6	%					
Nitrobenzene-d5		59.3	%					
2-Fluorobiphenyl		68.9	%					
2,4,6-Tribromophenol		70.0	%					
Terphenyl-d14		64.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	170	ug/Kgdrywt	1	330	370	170	280
Bis(2-Chloroethyl) Ether	U	90.	ug/Kgdrywt	1	330	370	90.	280
2-Chlorophenol	U	180	ug/Kgdrywt	1	330	370	180	280
2-Methylphenol	U	220	ug/Kgdrywt	1	330	370	220	280
2,2'-Oxybis(1-Chloropropane)	U	99.	ug/Kgdrywt	1	330	370	99.	280
3&4-Methylphenol	U	210	ug/Kgdrywt	1	330	370	210	280
N-Nitroso-Di-N-Propylamine	U	93.	ug/Kgdrywt	1	330	370	93.	280
Hexachloroethane	U	110	ug/Kgdrywt	1	330	370	110	280
Nitrobenzene	U	100	ug/Kgdrywt	1	330	370	100	280
Isophorone	U	84.	ug/Kgdrywt	1	330	370	84.	280
2-Nitrophenol	U	190	ug/Kgdrywt	1	330	370	190	280
2,4-Dimethylphenol	U	180	ug/Kgdrywt	1	330	370	180	280
Bis(2-Chloroethoxy) Methane	U	110	ug/Kgdrywt	1	330	370	110	280
2,4-Dichlorophenol	U	170	ug/Kgdrywt	1	330	370	170	280
4-Chloroaniline	U	130	ug/Kgdrywt	1	330	370	130	280
Hexachlorobutadiene	U	93.	ug/Kgdrywt	1	330	370	93.	280
4-Chloro-3-Methylphenol	U	180	ug/Kgdrywt	1	330	370	180	280
2,4,6-Trichlorophenol	U	170	ug/Kgdrywt	1	330	370	170	280
2,4,5-Trichlorophenol	U	170	ug/Kgdrywt	1	820	920	170	690
2-Chloronaphthalene	U	97.	ug/Kgdrywt	1	330	370	97.	280
2-Nitroaniline	U	84.	ug/Kgdrywt	1	820	920	84.	690
Dimethyl Phthalate	U	87.	ug/Kgdrywt	1	330	370	87.	280
2,6-Dinitrotoluene	U	88.	ug/Kgdrywt	1	330	370	88.	280
3-Nitroaniline	U	100	ug/Kgdrywt	1	820	920	100	690
2,4-Dinitrophenol	U	420	ug/Kgdrywt	1	820	920	420	690
4-Nitrophenol	U	340	ug/Kgdrywt	1	820	920	340	690
Dibenzofuran	U	88.	ug/Kgdrywt	1	330	370	88.	280
2,4-Dinitrotoluene	U	95.	ug/Kgdrywt	1	330	370	95.	280
Diethylphthalate	U	89.	ug/Kgdrywt	1	330	370	89.	280
4-Chlorophenyl-Phenylether	U	87.	ug/Kgdrywt	1	330	370	87.	280
4-Nitroaniline	U	150	ug/Kgdrywt	1	820	920	150	690
4,6-Dinitro-2-Methylphenol	U	380	ug/Kgdrywt	1	820	920	380	690
N-Nitrosodiphenylamine	U	240	ug/Kgdrywt	1	330	370	240	280
4-Bromophenyl-Phenylether	U	95.	ug/Kgdrywt	1	330	370	95.	280
Hexachlorobenzene	U	92.	ug/Kgdrywt	1	330	370	92.	280

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	260	ug/Kgdrywt	1	820	920	260	690
Carbazole	U	120	ug/Kgdrywt	1	330	370	120	280
Di-N-Butylphthalate	U	110	ug/Kgdrywt	1	330	370	110	280
Butylbenzylphthalate	U	100	ug/Kgdrywt	1	330	370	100	280
3,3'-Dichlorobenzidine	U	130	ug/Kgdrywt	1	330	370	130	280
Bis(2-Ethylhexyl)Phthalate	U	110	ug/Kgdrywt	1	330	370	110	280
Di-N-Octylphthalate	U	240	ug/Kgdrywt	1	330	370	240	280
1,1'-biphenyl	U	81.	ug/Kgdrywt	1	330	370	81.	280
Hexachlorocyclopentadiene	U	92.	ug/Kgdrywt	1	330	370	92.	280
Caprolactam	U	160	ug/Kgdrywt	1	330	370	160	280
Benzaldehyde	U	130	ug/Kgdrywt	1	330	370	130	280
Atrazine	U	100	ug/Kgdrywt	1	330	370	100	280
Acetophenone	U	200	ug/Kgdrywt	1	330	370	200	280
2,3,4,6-Tetrachlorophenol	U	160	ug/Kgdrywt	1	330	370	160	280
1,2,4,5-Tetrachlorobenzene	U	150	ug/Kgdrywt	1	330	370	150	280
2-Fluorophenol		59.7	%					
Phenol-D6		59.7	%					
Nitrobenzene-d5		60.2	%					
2-Fluorobiphenyl		71.5	%					
2,4,6-Tribromophenol		72.6	%					
Terphenyl-d14		65.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 89.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	170	ug/Kgdrywt	1	330	370	170	280
Bis(2-Chloroethyl) Ether	U	90.	ug/Kgdrywt	1	330	370	90.	280
2-Chlorophenol	U	180	ug/Kgdrywt	1	330	370	180	280
2-Methylphenol	U	220	ug/Kgdrywt	1	330	370	220	280
2,2'-Oxybis(1-Chloropropane)	U	99.	ug/Kgdrywt	1	330	370	99.	280
3&4-Methylphenol	U	210	ug/Kgdrywt	1	330	370	210	280
N-Nitroso-Di-N-Propylamine	U	92.	ug/Kgdrywt	1	330	370	92.	280
Hexachloroethane	U	110	ug/Kgdrywt	1	330	370	110	280
Nitrobenzene	U	100	ug/Kgdrywt	1	330	370	100	280
Isophorone	U	83.	ug/Kgdrywt	1	330	370	83.	280
2-Nitrophenol	U	180	ug/Kgdrywt	1	330	370	180	280
2,4-Dimethylphenol	U	180	ug/Kgdrywt	1	330	370	180	280
Bis(2-Chloroethoxy) Methane	U	110	ug/Kgdrywt	1	330	370	110	280
2,4-Dichlorophenol	U	170	ug/Kgdrywt	1	330	370	170	280
4-Chloroaniline	U	130	ug/Kgdrywt	1	330	370	130	280
Hexachlorobutadiene	U	92.	ug/Kgdrywt	1	330	370	92.	280
4-Chloro-3-Methylphenol	U	180	ug/Kgdrywt	1	330	370	180	280
2,4,6-Trichlorophenol	U	170	ug/Kgdrywt	1	330	370	170	280
2,4,5-Trichlorophenol	U	170	ug/Kgdrywt	1	820	910	170	680
2-Chloronaphthalene	U	97.	ug/Kgdrywt	1	330	370	97.	280
2-Nitroaniline	U	83.	ug/Kgdrywt	1	820	910	83.	680
Dimethyl Phthalate	U	87.	ug/Kgdrywt	1	330	370	87.	280
2,6-Dinitrotoluene	U	88.	ug/Kgdrywt	1	330	370	88.	280
3-Nitroaniline	U	100	ug/Kgdrywt	1	820	910	100	680
2,4-Dinitrophenol	U	420	ug/Kgdrywt	1	820	910	420	680
4-Nitrophenol	U	340	ug/Kgdrywt	1	820	910	340	680
Dibenzofuran	U	88.	ug/Kgdrywt	1	330	370	88.	280
2,4-Dinitrotoluene	U	94.	ug/Kgdrywt	1	330	370	94.	280
Diethylphthalate	U	89.	ug/Kgdrywt	1	330	370	89.	280
4-Chlorophenyl-Phenylether	U	87.	ug/Kgdrywt	1	330	370	87.	280
4-Nitroaniline	U	150	ug/Kgdrywt	1	820	910	150	680
4,6-Dinitro-2-Methylphenol	U	370	ug/Kgdrywt	1	820	910	370	680
N-Nitrosodiphenylamine	U	240	ug/Kgdrywt	1	330	370	240	280
4-Bromophenyl-Phenylether	U	94.	ug/Kgdrywt	1	330	370	94.	280
Hexachlorobenzene	U	91.	ug/Kgdrywt	1	330	370	91.	280

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 89.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	260	ug/Kgdrywt	1	820	910	260	680
Carbazole	U	120	ug/Kgdrywt	1	330	370	120	280
Di-N-Butylphthalate	U	110	ug/Kgdrywt	1	330	370	110	280
Butylbenzylphthalate	U	100	ug/Kgdrywt	1	330	370	100	280
3,3'-Dichlorobenzidine	U	130	ug/Kgdrywt	1	330	370	130	280
Bis(2-Ethylhexyl)Phthalate	U	110	ug/Kgdrywt	1	330	370	110	280
Di-N-Octylphthalate	U	230	ug/Kgdrywt	1	330	370	230	280
1,1'-biphenyl	U	81.	ug/Kgdrywt	1	330	370	81.	280
Hexachlorocyclopentadiene	U	91.	ug/Kgdrywt	1	330	370	91.	280
Caprolactam	U	160	ug/Kgdrywt	1	330	370	160	280
Benzaldehyde	U	130	ug/Kgdrywt	1	330	370	130	280
Atrazine	U	100	ug/Kgdrywt	1	330	370	100	280
Acetophenone	U	200	ug/Kgdrywt	1	330	370	200	280
2,3,4,6-Tetrachlorophenol	U	160	ug/Kgdrywt	1	330	370	160	280
1,2,4,5-Tetrachlorobenzene	U	150	ug/Kgdrywt	1	330	370	150	280
2-Fluorophenol		53.9	%					
Phenol-D6		58.8	%					
Nitrobenzene-d5		57.8	%					
2-Fluorobiphenyl		70.8	%					
2,4,6-Tribromophenol		66.0	%					
Terphenyl-d14		69.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	170	ug/Kgdrywt	1	330	350	170	270
Bis(2-Chloroethyl) Ether	U	87.	ug/Kgdrywt	1	330	350	87.	270
2-Chlorophenol	U	180	ug/Kgdrywt	1	330	350	180	270
2-Methylphenol	U	210	ug/Kgdrywt	1	330	350	210	270
2,2'-Oxybis(1-Chloropropane)	U	96.	ug/Kgdrywt	1	330	350	96.	270
3&4-Methylphenol	U	200	ug/Kgdrywt	1	330	350	200	270
N-Nitroso-Di-N-Propylamine	U	89.	ug/Kgdrywt	1	330	350	89.	270
Hexachloroethane	U	100	ug/Kgdrywt	1	330	350	100	270
Nitrobenzene	U	98.	ug/Kgdrywt	1	330	350	98.	270
Isophorone	U	80.	ug/Kgdrywt	1	330	350	80.	270
2-Nitrophenol	U	180	ug/Kgdrywt	1	330	350	180	270
2,4-Dimethylphenol	U	180	ug/Kgdrywt	1	330	350	180	270
Bis(2-Chloroethoxy) Methane	U	100	ug/Kgdrywt	1	330	350	100	270
2,4-Dichlorophenol	U	160	ug/Kgdrywt	1	330	350	160	270
4-Chloroaniline	U	130	ug/Kgdrywt	1	330	350	130	270
Hexachlorobutadiene	U	89.	ug/Kgdrywt	1	330	350	89.	270
4-Chloro-3-Methylphenol	U	180	ug/Kgdrywt	1	330	350	180	270
2,4,6-Trichlorophenol	U	170	ug/Kgdrywt	1	330	350	170	270
2,4,5-Trichlorophenol	U	170	ug/Kgdrywt	1	820	880	170	660
2-Chloronaphthalene	U	93.	ug/Kgdrywt	1	330	350	93.	270
2-Nitroaniline	U	80.	ug/Kgdrywt	1	820	880	80.	660
Dimethyl Phthalate	U	84.	ug/Kgdrywt	1	330	350	84.	270
2,6-Dinitrotoluene	U	85.	ug/Kgdrywt	1	330	350	85.	270
3-Nitroaniline	U	100	ug/Kgdrywt	1	820	880	100	660
2,4-Dinitrophenol	U	400	ug/Kgdrywt	1	820	880	400	660
4-Nitrophenol	U	330	ug/Kgdrywt	1	820	880	330	660
Dibenzofuran	U	85.	ug/Kgdrywt	1	330	350	85.	270
2,4-Dinitrotoluene	U	91.	ug/Kgdrywt	1	330	350	91.	270
Diethylphthalate	U	86.	ug/Kgdrywt	1	330	350	86.	270
4-Chlorophenyl-Phenylether	U	84.	ug/Kgdrywt	1	330	350	84.	270
4-Nitroaniline	U	140	ug/Kgdrywt	1	820	880	140	660
4,6-Dinitro-2-Methylphenol	U	360	ug/Kgdrywt	1	820	880	360	660
N-Nitrosodiphenylamine	U	240	ug/Kgdrywt	1	330	350	240	270
4-Bromophenyl-Phenylether	U	91.	ug/Kgdrywt	1	330	350	91.	270
Hexachlorobenzene	U	88.	ug/Kgdrywt	1	330	350	88.	270

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	250	ug/Kgdrywt	1	820	880	250	660
Carbazole	U	120	ug/Kgdrywt	1	330	350	120	270
Di-N-Butylphthalate	U	110	ug/Kgdrywt	1	330	350	110	270
Butylbenzylphthalate	U	100	ug/Kgdrywt	1	330	350	100	270
3,3'-Dichlorobenzidine	U	120	ug/Kgdrywt	1	330	350	120	270
Bis(2-Ethylhexyl)Phthalate	U	100	ug/Kgdrywt	1	330	350	100	270
Di-N-Octylphthalate	U	230	ug/Kgdrywt	1	330	350	230	270
1,1'-biphenyl	U	78.	ug/Kgdrywt	1	330	350	78.	270
Hexachlorocyclopentadiene	U	88.	ug/Kgdrywt	1	330	350	88.	270
Caprolactam	U	150	ug/Kgdrywt	1	330	350	150	270
Benzaldehyde	U	130	ug/Kgdrywt	1	330	350	130	270
Atrazine	U	98.	ug/Kgdrywt	1	330	350	98.	270
Acetophenone	U	190	ug/Kgdrywt	1	330	350	190	270
2,3,4,6-Tetrachlorophenol	U	150	ug/Kgdrywt	1	330	350	150	270
1,2,4,5-Tetrachlorobenzene	U	140	ug/Kgdrywt	1	330	350	140	270
2-Fluorophenol		60.0	%					
Phenol-D6		61.7	%					
Nitrobenzene-d5		60.9	%					
2-Fluorobiphenyl		72.1	%					
2,4,6-Tribromophenol		73.2	%					
Terphenyl-d14		65.4	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2
Client ID: SBF1-50-55'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 84.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	180	ug/Kgdrywt	1	330	380	180	290
Bis(2-Chloroethyl) Ether	U	94.	ug/Kgdrywt	1	330	380	94.	290
2-Chlorophenol	U	190	ug/Kgdrywt	1	330	380	190	290
2-Methylphenol	U	230	ug/Kgdrywt	1	330	380	230	290
2,2'-Oxybis(1-Chloropropane)	U	100	ug/Kgdrywt	1	330	380	100	290
3&4-Methylphenol	U	220	ug/Kgdrywt	1	330	380	220	290
N-Nitroso-Di-N-Propylamine	U	97.	ug/Kgdrywt	1	330	380	97.	290
Hexachloroethane	U	110	ug/Kgdrywt	1	330	380	110	290
Nitrobenzene	U	100	ug/Kgdrywt	1	330	380	100	290
Isophorone	U	87.	ug/Kgdrywt	1	330	380	87.	290
2-Nitrophenol	U	190	ug/Kgdrywt	1	330	380	190	290
2,4-Dimethylphenol	U	190	ug/Kgdrywt	1	330	380	190	290
Bis(2-Chloroethoxy) Methane	U	110	ug/Kgdrywt	1	330	380	110	290
2,4-Dichlorophenol	U	170	ug/Kgdrywt	1	330	380	170	290
4-Chloroaniline	U	140	ug/Kgdrywt	1	330	380	140	290
Hexachlorobutadiene	U	97.	ug/Kgdrywt	1	330	380	97.	290
4-Chloro-3-Methylphenol	U	190	ug/Kgdrywt	1	330	380	190	290
2,4,6-Trichlorophenol	U	180	ug/Kgdrywt	1	330	380	180	290
2,4,5-Trichlorophenol	U	180	ug/Kgdrywt	1	820	950	180	720
2-Chloronaphthalene	U	100	ug/Kgdrywt	1	330	380	100	290
2-Nitroaniline	U	87.	ug/Kgdrywt	1	820	950	87.	720
Dimethyl Phthalate	U	91.	ug/Kgdrywt	1	330	380	91.	290
2,6-Dinitrotoluene	U	92.	ug/Kgdrywt	1	330	380	92.	290
3-Nitroaniline	U	110	ug/Kgdrywt	1	820	950	110	720
2,4-Dinitrophenol	U	440	ug/Kgdrywt	1	820	950	440	720
4-Nitrophenol	U	360	ug/Kgdrywt	1	820	950	360	720
Dibenzofuran	U	92.	ug/Kgdrywt	1	330	380	92.	290
2,4-Dinitrotoluene	U	99.	ug/Kgdrywt	1	330	380	99.	290
Diethylphthalate	U	93.	ug/Kgdrywt	1	330	380	93.	290
4-Chlorophenyl-Phenylether	U	91.	ug/Kgdrywt	1	330	380	91.	290
4-Nitroaniline	U	160	ug/Kgdrywt	1	820	950	160	720
4,6-Dinitro-2-Methylphenol	U	390	ug/Kgdrywt	1	820	950	390	720
N-Nitrosodiphenylamine	U	250	ug/Kgdrywt	1	330	380	250	290
4-Bromophenyl-Phenylether	U	99.	ug/Kgdrywt	1	330	380	99.	290
Hexachlorobenzene	U	95.	ug/Kgdrywt	1	330	380	95.	290

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2
Client ID: SBF1-50-55'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 84.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	280	ug/Kgdrywt	1	820	950	280	720
Carbazole	U	130	ug/Kgdrywt	1	330	380	130	290
Di-N-Butylphthalate	U	120	ug/Kgdrywt	1	330	380	120	290
Butylbenzylphthalate	U	110	ug/Kgdrywt	1	330	380	110	290
3,3'-Dichlorobenzidine	U	130	ug/Kgdrywt	1	330	380	130	290
Bis(2-Ethylhexyl)Phthalate	U	110	ug/Kgdrywt	1	330	380	110	290
Di-N-Octylphthalate	U	240	ug/Kgdrywt	1	330	380	240	290
1,1'-biphenyl	U	85.	ug/Kgdrywt	1	330	380	85.	290
Hexachlorocyclopentadiene	U	95.	ug/Kgdrywt	1	330	380	95.	290
Caprolactam	U	170	ug/Kgdrywt	1	330	380	170	290
Benzaldehyde	U	140	ug/Kgdrywt	1	330	380	140	290
Atrazine	U	100	ug/Kgdrywt	1	330	380	100	290
Acetophenone	U	210	ug/Kgdrywt	1	330	380	210	290
2,3,4,6-Tetrachlorophenol	U	160	ug/Kgdrywt	1	330	380	160	290
1,2,4,5-Tetrachlorobenzene	U	160	ug/Kgdrywt	1	330	380	160	290
2-Fluorophenol		58.8	%					
Phenol-D6		61.6	%					
Nitrobenzene-d5		62.4	%					
2-Fluorobiphenyl		74.7	%					
2,4,6-Tribromophenol		67.8	%					
Terphenyl-d14		67.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58'-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 81.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	190	ug/Kgdrywt	1	330	400	190	300
Bis(2-Chloroethyl) Ether	U	97.	ug/Kgdrywt	1	330	400	97.	300
2-Chlorophenol	U	200	ug/Kgdrywt	1	330	400	200	300
2-Methylphenol	U	240	ug/Kgdrywt	1	330	400	240	300
2,2'-Oxybis(1-Chloropropane)	U	110	ug/Kgdrywt	1	330	400	110	300
3&4-Methylphenol	U	220	ug/Kgdrywt	1	330	400	220	300
N-Nitroso-Di-N-Propylamine	U	100	ug/Kgdrywt	1	330	400	100	300
Hexachloroethane	U	120	ug/Kgdrywt	1	330	400	120	300
Nitrobenzene	U	110	ug/Kgdrywt	1	330	400	110	300
Isophorone	U	90.	ug/Kgdrywt	1	330	400	90.	300
2-Nitrophenol	U	200	ug/Kgdrywt	1	330	400	200	300
2,4-Dimethylphenol	U	200	ug/Kgdrywt	1	330	400	200	300
Bis(2-Chloroethoxy) Methane	U	120	ug/Kgdrywt	1	330	400	120	300
2,4-Dichlorophenol	U	180	ug/Kgdrywt	1	330	400	180	300
4-Chloroaniline	U	140	ug/Kgdrywt	1	330	400	140	300
Hexachlorobutadiene	U	100	ug/Kgdrywt	1	330	400	100	300
4-Chloro-3-Methylphenol	U	200	ug/Kgdrywt	1	330	400	200	300
2,4,6-Trichlorophenol	U	190	ug/Kgdrywt	1	330	400	190	300
2,4,5-Trichlorophenol	U	190	ug/Kgdrywt	1	820	980	190	740
2-Chloronaphthalene	U	100	ug/Kgdrywt	1	330	400	100	300
2-Nitroaniline	U	90.	ug/Kgdrywt	1	820	980	90.	740
Dimethyl Phthalate	U	94.	ug/Kgdrywt	1	330	400	94.	300
2,6-Dinitrotoluene	U	95.	ug/Kgdrywt	1	330	400	95.	300
3-Nitroaniline	U	110	ug/Kgdrywt	1	820	980	110	740
2,4-Dinitrophenol	U	450	ug/Kgdrywt	1	820	980	450	740
4-Nitrophenol	U	370	ug/Kgdrywt	1	820	980	370	740
Dibenzofuran	U	95.	ug/Kgdrywt	1	330	400	95.	300
2,4-Dinitrotoluene	U	100	ug/Kgdrywt	1	330	400	100	300
Diethylphthalate	U	96.	ug/Kgdrywt	1	330	400	96.	300
4-Chlorophenyl-Phenylether	U	94.	ug/Kgdrywt	1	330	400	94.	300
4-Nitroaniline	U	160	ug/Kgdrywt	1	820	980	160	740
4,6-Dinitro-2-Methylphenol	U	400	ug/Kgdrywt	1	820	980	400	740
N-Nitrosodiphenylamine	U	260	ug/Kgdrywt	1	330	400	260	300
4-Bromophenyl-Phenylether	U	100	ug/Kgdrywt	1	330	400	100	300
Hexachlorobenzene	U	98.	ug/Kgdrywt	1	330	400	98.	300

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 81.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	280	ug/Kgdrywt	1	820	980	280	740
Carbazole	U	130	ug/Kgdrywt	1	330	400	130	300
Di-N-Butylphthalate	U	120	ug/Kgdrywt	1	330	400	120	300
Butylbenzylphthalate	U	110	ug/Kgdrywt	1	330	400	110	300
3,3'-Dichlorobenzidine	U	140	ug/Kgdrywt	1	330	400	140	300
Bis(2-Ethylhexyl)Phthalate	U	120	ug/Kgdrywt	1	330	400	120	300
Di-N-Octylphthalate	U	250	ug/Kgdrywt	1	330	400	250	300
1,1'-biphenyl	U	88.	ug/Kgdrywt	1	330	400	88.	300
Hexachlorocyclopentadiene	U	98.	ug/Kgdrywt	1	330	400	98.	300
Caprolactam	U	170	ug/Kgdrywt	1	330	400	170	300
Benzaldehyde	U	140	ug/Kgdrywt	1	330	400	140	300
Atrazine	U	110	ug/Kgdrywt	1	330	400	110	300
Acetophenone	U	210	ug/Kgdrywt	1	330	400	210	300
2,3,4,6-Tetrachlorophenol	U	170	ug/Kgdrywt	1	330	400	170	300
1,2,4,5-Tetrachlorobenzene	U	160	ug/Kgdrywt	1	330	400	160	300
2-Fluorophenol		53.5	%					
Phenol-D6		56.0	%					
Nitrobenzene-d5		58.0	%					
2-Fluorobiphenyl		68.0	%					
2,4,6-Tribromophenol		59.0	%					
Terphenyl-d14		61.0	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	180	ug/Kgdrywt	1	330	380	180	290
Bis(2-Chloroethyl) Ether	U	94.	ug/Kgdrywt	1	330	380	94.	290
2-Chlorophenol	U	190	ug/Kgdrywt	1	330	380	190	290
2-Methylphenol	U	230	ug/Kgdrywt	1	330	380	230	290
2,2'-Oxybis(1-Chloropropane)	U	100	ug/Kgdrywt	1	330	380	100	290
3&4-Methylphenol	U	220	ug/Kgdrywt	1	330	380	220	290
N-Nitroso-Di-N-Propylamine	U	96.	ug/Kgdrywt	1	330	380	96.	290
Hexachloroethane	U	110	ug/Kgdrywt	1	330	380	110	290
Nitrobenzene	U	100	ug/Kgdrywt	1	330	380	100	290
Isophorone	U	87.	ug/Kgdrywt	1	330	380	87.	290
2-Nitrophenol	U	190	ug/Kgdrywt	1	330	380	190	290
2,4-Dimethylphenol	U	190	ug/Kgdrywt	1	330	380	190	290
Bis(2-Chloroethoxy) Methane	U	110	ug/Kgdrywt	1	330	380	110	290
2,4-Dichlorophenol	U	170	ug/Kgdrywt	1	330	380	170	290
4-Chloroaniline	U	140	ug/Kgdrywt	1	330	380	140	290
Hexachlorobutadiene	U	96.	ug/Kgdrywt	1	330	380	96.	290
4-Chloro-3-Methylphenol	U	190	ug/Kgdrywt	1	330	380	190	290
2,4,6-Trichlorophenol	U	180	ug/Kgdrywt	1	330	380	180	290
2,4,5-Trichlorophenol	U	180	ug/Kgdrywt	1	820	950	180	710
2-Chloronaphthalene	U	100	ug/Kgdrywt	1	330	380	100	290
2-Nitroaniline	U	87.	ug/Kgdrywt	1	820	950	87.	710
Dimethyl Phthalate	U	90.	ug/Kgdrywt	1	330	380	90.	290
2,6-Dinitrotoluene	U	91.	ug/Kgdrywt	1	330	380	91.	290
3-Nitroaniline	U	110	ug/Kgdrywt	1	820	950	110	710
2,4-Dinitrophenol	U	440	ug/Kgdrywt	1	820	950	440	710
4-Nitrophenol	U	360	ug/Kgdrywt	1	820	950	360	710
Dibenzofuran	U	91.	ug/Kgdrywt	1	330	380	91.	290
2,4-Dinitrotoluene	U	98.	ug/Kgdrywt	1	330	380	98.	290
Diethylphthalate	U	92.	ug/Kgdrywt	1	330	380	92.	290
4-Chlorophenyl-Phenylether	U	90.	ug/Kgdrywt	1	330	380	90.	290
4-Nitroaniline	U	150	ug/Kgdrywt	1	820	950	150	710
4,6-Dinitro-2-Methylphenol	U	390	ug/Kgdrywt	1	820	950	390	710
N-Nitrosodiphenylamine	U	250	ug/Kgdrywt	1	330	380	250	290
4-Bromophenyl-Phenylether	U	98.	ug/Kgdrywt	1	330	380	98.	290
Hexachlorobenzene	U	95.	ug/Kgdrywt	1	330	380	95.	290

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	270	ug/Kgdrywt	1	820	950	270	710
Carbazole	U	130	ug/Kgdrywt	1	330	380	130	290
Di-N-Butylphthalate	U	120	ug/Kgdrywt	1	330	380	120	290
Butylbenzylphthalate	U	110	ug/Kgdrywt	1	330	380	110	290
3,3'-Dichlorobenzidine	U	130	ug/Kgdrywt	1	330	380	130	290
Bis(2-Ethylhexyl)Phthalate	U	110	ug/Kgdrywt	1	330	380	110	290
Di-N-Octylphthalate	U	240	ug/Kgdrywt	1	330	380	240	290
1,1'-biphenyl	U	84.	ug/Kgdrywt	1	330	380	84.	290
Hexachlorocyclopentadiene	U	95.	ug/Kgdrywt	1	330	380	95.	290
Caprolactam	U	170	ug/Kgdrywt	1	330	380	170	290
Benzaldehyde	U	140	ug/Kgdrywt	1	330	380	140	290
Atrazine	U	100	ug/Kgdrywt	1	330	380	100	290
Acetophenone	U	200	ug/Kgdrywt	1	330	380	200	290
2,3,4,6-Tetrachlorophenol	U	160	ug/Kgdrywt	1	330	380	160	290
1,2,4,5-Tetrachlorobenzene	U	160	ug/Kgdrywt	1	330	380	160	290
2-Fluorophenol		53.9	%					
Phenol-D6		57.5	%					
Nitrobenzene-d5		58.0	%					
2-Fluorobiphenyl		68.4	%					
2,4,6-Tribromophenol		64.0	%					
Terphenyl-d14		63.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85395

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.7	ug/L	1	10	9.5	1.7	7.1
Bis(2-Chloroethyl) Ether	U	1.9	ug/L	1	10	9.5	1.9	7.1
2-Chlorophenol	U	3.0	ug/L	1	10	9.5	3.0	7.1
2,2'-Oxybis(1-Chloropropane)	U	2.0	ug/L	1	10	9.5	2.0	7.1
2-Methylphenol	U	3.6	ug/L	1	10	9.5	3.6	7.1
Hexachloroethane	U	2.2	ug/L	1	10	9.5	2.2	7.1
N-Nitroso-Di-N-Propylamine	U	1.9	ug/L	1	10	9.5	1.9	7.1
3&4-Methylphenol	U	5.3	ug/L	1	10	9.5	5.3	7.1
Nitrobenzene	U	3.0	ug/L	1	10	9.5	3.0	7.1
Isophorone	U	1.6	ug/L	1	10	9.5	1.6	7.1
2-Nitrophenol	U	2.6	ug/L	1	10	9.5	2.6	7.1
2,4-Dimethylphenol	U	4.2	ug/L	1	10	9.5	4.2	7.1
Bis(2-Chloroethoxy) Methane	U	2.0	ug/L	1	10	9.5	2.0	7.1
2,4-Dichlorophenol	U	2.8	ug/L	1	10	9.5	2.8	7.1
4-Chloroaniline	U	1.8	ug/L	1	10	9.5	1.8	7.1
Hexachlorobutadiene	U	1.7	ug/L	1	10	9.5	1.7	7.1
4-Chloro-3-Methylphenol	U	3.4	ug/L	1	10	9.5	3.4	7.1
2,4,6-Trichlorophenol	U	2.6	ug/L	1	10	9.5	2.6	7.1
2,4,5-Trichlorophenol	U	3.4	ug/L	1	25	24.	3.4	18.
2-Chloronaphthalene	U	2.8	ug/L	1	10	9.5	2.8	7.1
2-Nitroaniline	U	1.7	ug/L	1	25	24.	1.7	18.
Dimethyl Phthalate	U	1.9	ug/L	1	10	9.5	1.9	7.1
2,6-Dinitrotoluene	U	1.9	ug/L	1	10	9.5	1.9	7.1
3-Nitroaniline	U	1.4	ug/L	1	25	24.	1.4	18.
2,4-Dinitrophenol	U	0.95	ug/L	1	25	24.	0.95	18.
Dibenzofuran	U	1.5	ug/L	1	10	9.5	1.5	7.1
4-Nitrophenol	U	1.7	ug/L	1	25	24.	1.7	18.
2,4-Dinitrotoluene	U	2.1	ug/L	1	10	9.5	2.1	7.1
Diethylphthalate	U	1.9	ug/L	1	10	9.5	1.9	7.1
4-Chlorophenyl-Phenylether	U	2.1	ug/L	1	10	9.5	2.1	7.1
4-Nitroaniline	U	1.5	ug/L	1	25	24.	1.5	18.
4,6-Dinitro-2-Methylphenol	U	1.9	ug/L	1	25	24.	1.9	18.
N-Nitrosodiphenylamine	U	3.5	ug/L	1	10	9.5	3.5	7.1
4-Bromophenyl-Phenylether	U	1.8	ug/L	1	10	9.5	1.8	7.1
Hexachlorobenzene	U	2.0	ug/L	1	10	9.5	2.0	7.1

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
 Lab ID: SD7209-10
 Client ID: RB11171001
 Project: OLF Saufley Field, FL- CTO.
 SDG: CTOJM30-1

Sample Date: 17-NOV-10
 Received Date: 18-NOV-10
 Extract Date: 22-NOV-10
 Extracted By: KF
 Extraction Method: SW846 3510
 Lab Prep Batch: WG85395

Analysis Date: 23-NOV-10
 Analyst: JCG
 Analysis Method: SW846 8270C
 Matrix: AQ
 % Solids: NA
 Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Pentachlorophenol	U	2.2	ug/L	1	25	24.	2.2	18.
Carbazole	U	2.0	ug/L	1	10	9.5	2.0	7.1
Di-N-Butylphthalate	U	2.4	ug/L	1	10	9.5	2.4	7.1
Butylbenzylphthalate	U	1.8	ug/L	1	10	9.5	1.8	7.1
3,3'-Dichlorobenzidine	U	1.0	ug/L	1	10	9.5	1.0	18.
Bis(2-Ethylhexyl) Phthalate	I	1.7	ug/L	1	10	9.5	1.6	7.1
Di-N-Octylphthalate	U	1.7	ug/L	1	10	9.5	1.7	7.1
1,1'-Biphenyl	U	2.6	ug/L	1	10	9.5	2.6	7.1
Caprolactam	U	0.38	ug/L	1	10	9.5	0.38	7.1
Benzaldehyde	U	0.95	ug/L	1	10	9.5	0.95	7.1
Acetophenone	U	3.7	ug/L	1	10	9.5	3.7	7.1
Atrazine	U	3.1	ug/L	1	10	9.5	3.1	7.1
2,3,4,6-Tetrachlorophenol	U	2.6	ug/L	1	10	9.5	2.6	7.1
1,2,4,5-Tetrachlorobenzene	U	1.7	ug/L	1	10	9.5	1.7	7.1
Hexachlorocyclopentadiene	U	1.1	ug/L	1	10	9.5	1.1	7.1
2-Fluorophenol		34.5	%					
Phenol-D6		18.6	%					
Nitrobenzene-d5		68.9	%					
2-Fluorobiphenyl		84.2	%					
2,4,6-Tribromophenol		79.7	%					
Terphenyl-d14		71.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 90.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	2.7	ug/Kgdrywt	1	20	21.	2.7	10.
1-Methylnaphthalene	U	1.8	ug/Kgdrywt	1	20	21.	1.8	10.
2-Methylnaphthalene	U	2.3	ug/Kgdrywt	1	20	21.	2.3	10.
Acenaphthylene	U	1.2	ug/Kgdrywt	1	20	21.	1.2	10.
Acenaphthene	U	1.6	ug/Kgdrywt	1	20	21.	1.6	10.
Fluorene	U	3.3	ug/Kgdrywt	1	20	21.	3.3	10.
Phenanthrene	I	7.1	ug/Kgdrywt	1	20	21.	1.9	10.
Anthracene	I	1.8	ug/Kgdrywt	1	20	21.	1.2	10.
Fluoranthene	I	16.	ug/Kgdrywt	1	20	21.	1.9	10.
Pyrene	I	13.	ug/Kgdrywt	1	20	21.	2.2	10.
Benzo (a) anthracene	I	12.	ug/Kgdrywt	1	20	21.	2.0	10.
Chrysene	I	7.0	ug/Kgdrywt	1	20	21.	1.8	10.
Benzo (b) Fluoranthene	I	15.	ug/Kgdrywt	1	20	21.	2.5	10.
Benzo(k)fluoranthene	I	4.1	ug/Kgdrywt	1	20	21.	3.2	10.
Benzo(a)pyrene	I	8.9	ug/Kgdrywt	1	20	21.	3.4	10.
Indeno (1,2,3-cd) pyrene	I	4.9	ug/Kgdrywt	1	20	21.	2.0	10.
Dibenzo (a,h) anthracene	U	1.9	ug/Kgdrywt	1	20	21.	1.9	10.
Benzo(g,h,i)perylene	I	5.4	ug/Kgdrywt	1	20	21.	2.1	10.
2-Methylnaphthalene-D10		46.6	%					
Fluorene-D10		35.0	%					
Pyrene-D10		78.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Sanfley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	3.3	ug/Kgdrywt	1	20	25.	3.3	13.
1-Methylnaphthalene	U	2.1	ug/Kgdrywt	1	20	25.	2.1	13.
2-Methylnaphthalene	U	2.8	ug/Kgdrywt	1	20	25.	2.8	13.
Acenaphthylene	U	1.5	ug/Kgdrywt	1	20	25.	1.5	13.
Acenaphthene	U	1.9	ug/Kgdrywt	1	20	25.	1.9	13.
Fluorene	U	4.0	ug/Kgdrywt	1	20	25.	4.0	13.
Phenanthrene	I	3.9	ug/Kgdrywt	1	20	25.	2.3	13.
Anthracene	U	1.5	ug/Kgdrywt	1	20	25.	1.5	13.
Fluoranthene	I	14.	ug/Kgdrywt	1	20	25.	2.3	13.
Pyrene	I	11.	ug/Kgdrywt	1	20	25.	2.6	13.
Benzo (a) anthracene	I	14.	ug/Kgdrywt	1	20	25.	2.4	13.
Chrysene	I	8.0	ug/Kgdrywt	1	20	25.	2.1	13.
Benzo (b) Fluoranthene	I	18.	ug/Kgdrywt	1	20	25.	3.0	13.
Benzo(k)fluoranthene	I	5.3	ug/Kgdrywt	1	20	25.	3.9	13.
Benzo(a)pyrene	I	11.	ug/Kgdrywt	1	20	25.	4.2	13.
Indeno (1,2,3-cd) pyrene	I	7.8	ug/Kgdrywt	1	20	25.	2.4	13.
Dibenzo (a,h) anthracene	U	2.3	ug/Kgdrywt	1	20	25.	2.3	13.
Benzo(g,h,i)perylene	I	8.4	ug/Kgdrywt	1	20	25.	2.5	13.
2-Methylnaphthalene-D10		36.9	%					
Fluorene-D10		30.5	%					
Pyrene-D10		75.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	2.6	ug/Kgdrywt	1	20	20.	2.6	9.8
1-Methylnaphthalene	U	1.7	ug/Kgdrywt	1	20	20.	1.7	9.8
2-Methylnaphthalene	U	2.2	ug/Kgdrywt	1	20	20.	2.2	9.8
Acenaphthylene	U	1.2	ug/Kgdrywt	1	20	20.	1.2	9.8
Acenaphthene	U	1.5	ug/Kgdrywt	1	20	20.	1.5	9.8
Fluorene	U	3.1	ug/Kgdrywt	1	20	20.	3.1	9.8
Phenanthrene	I	8.5	ug/Kgdrywt	1	20	20.	1.8	9.8
Anthracene	I	2.3	ug/Kgdrywt	1	20	20.	1.2	9.8
Fluoranthene	I	11.	ug/Kgdrywt	1	20	20.	1.8	9.8
Pyrene	I	8.0	ug/Kgdrywt	1	20	20.	2.1	9.8
Benzo (a) anthracene	I	8.3	ug/Kgdrywt	1	20	20.	1.9	9.8
Chrysene	I	4.6	ug/Kgdrywt	1	20	20.	1.7	9.8
Benzo (b) Fluoranthene	I	8.7	ug/Kgdrywt	1	20	20.	2.4	9.8
Benzo(k)fluoranthene	U	3.0	ug/Kgdrywt	1	20	20.	3.0	9.8
Benzo(a)pyrene	I	4.4	ug/Kgdrywt	1	20	20.	3.2	9.8
Indeno (1,2,3-cd) pyrene	I	2.3	ug/Kgdrywt	1	20	20.	1.9	9.8
Dibenzo (a,h) anthracene	U	1.8	ug/Kgdrywt	1	20	20.	1.8	9.8
Benzo(g,h,i)perylene	I	2.4	ug/Kgdrywt	1	20	20.	2.0	9.8
2-Methylnaphthalene-D10		55.4	%					
Fluorene-D10		44.3	%					
Pyrene-D10		77.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	2.9	ug/Kgdrywt	1	20	22.	2.9	11.
1-Methylnaphthalene	U	1.9	ug/Kgdrywt	1	20	22.	1.9	11.
2-Methylnaphthalene	U	2.4	ug/Kgdrywt	1	20	22.	2.4	11.
Acenaphthylene	U	1.3	ug/Kgdrywt	1	20	22.	1.3	11.
Acenaphthene	U	1.7	ug/Kgdrywt	1	20	22.	1.7	11.
Fluorene	U	3.6	ug/Kgdrywt	1	20	22.	3.6	11.
Phenanthrene	U	2.0	ug/Kgdrywt	1	20	22.	2.0	11.
Anthracene	U	1.3	ug/Kgdrywt	1	20	22.	1.3	11.
Fluoranthene	U	2.0	ug/Kgdrywt	1	20	22.	2.0	11.
Pyrene	U	2.3	ug/Kgdrywt	1	20	22.	2.3	11.
Benzo (a) anthracene	I	5.8	ug/Kgdrywt	1	20	22.	2.1	11.
Chrysene	U	1.9	ug/Kgdrywt	1	20	22.	1.9	11.
Benzo (b) Fluoranthene	U	2.7	ug/Kgdrywt	1	20	22.	2.7	11.
Benzo(k)fluoranthene	U	3.4	ug/Kgdrywt	1	20	22.	3.4	11.
Benzo(a)pyrene	U	3.7	ug/Kgdrywt	1	20	22.	3.7	11.
Indeno (1,2,3-cd) pyrene	U	2.1	ug/Kgdrywt	1	20	22.	2.1	11.
Dibenzo (a,h) anthracene	U	2.0	ug/Kgdrywt	1	20	22.	2.0	11.
Benzo(g,h,i)perylene	U	2.2	ug/Kgdrywt	1	20	22.	2.2	11.
2-Methylnaphthalene-D10		49.5	%					
Fluorene-D10		41.7	%					
Pyrene-D10		76.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 89.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	2.9	ug/Kgdrywt	1	20	22.	2.9	11.
1-Methylnaphthalene	U	1.9	ug/Kgdrywt	1	20	22.	1.9	11.
2-Methylnaphthalene	U	2.4	ug/Kgdrywt	1	20	22.	2.4	11.
Acenaphthylene	U	1.3	ug/Kgdrywt	1	20	22.	1.3	11.
Acenaphthene	U	1.7	ug/Kgdrywt	1	20	22.	1.7	11.
Fluorene	U	3.6	ug/Kgdrywt	1	20	22.	3.6	11.
Phenanthrene	U	2.0	ug/Kgdrywt	1	20	22.	2.0	11.
Anthracene	U	1.3	ug/Kgdrywt	1	20	22.	1.3	11.
Fluoranthene	U	2.0	ug/Kgdrywt	1	20	22.	2.0	11.
Pyrene	U	2.3	ug/Kgdrywt	1	20	22.	2.3	11.
Benzo (a) anthracene	U	2.1	ug/Kgdrywt	1	20	22.	2.1	11.
Chrysene	U	1.9	ug/Kgdrywt	1	20	22.	1.9	11.
Benzo (b) Fluoranthene	U	2.7	ug/Kgdrywt	1	20	22.	2.7	11.
Benzo(k)fluoranthene	U	3.4	ug/Kgdrywt	1	20	22.	3.4	11.
Benzo(a)pyrene	U	3.7	ug/Kgdrywt	1	20	22.	3.7	11.
Indeno (1,2,3-cd) pyrene	U	2.1	ug/Kgdrywt	1	20	22.	2.1	11.
Dibenzo (a,h) anthracene	U	2.0	ug/Kgdrywt	1	20	22.	2.0	11.
Benzo(g,h,i)perylene	U	2.2	ug/Kgdrywt	1	20	22.	2.2	11.
2-Methylnaphthalene-D10		50.4	%					
Fluorene-D10		40.4	%					
Pyrene-D10		70.5	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	2.8	ug/Kgdrywt	1	20	21.	2.8	11.
1-Methylnaphthalene	U	1.8	ug/Kgdrywt	1	20	21.	1.8	11.
2-Methylnaphthalene	U	2.4	ug/Kgdrywt	1	20	21.	2.4	11.
Acenaphthylene	U	1.3	ug/Kgdrywt	1	20	21.	1.3	11.
Acenaphthene	U	1.6	ug/Kgdrywt	1	20	21.	1.6	11.
Fluorene	U	3.4	ug/Kgdrywt	1	20	21.	3.4	11.
Phenanthrene	U	1.9	ug/Kgdrywt	1	20	21.	1.9	11.
Anthracene	U	1.3	ug/Kgdrywt	1	20	21.	1.3	11.
Fluoranthene	I	2.2	ug/Kgdrywt	1	20	21.	1.9	11.
Pyrene	U	2.2	ug/Kgdrywt	1	20	21.	2.2	11.
Benzo (a) anthracene	U	2.0	ug/Kgdrywt	1	20	21.	2.0	11.
Chrysene	U	1.8	ug/Kgdrywt	1	20	21.	1.8	11.
Benzo (b) Fluoranthene	U	2.6	ug/Kgdrywt	1	20	21.	2.6	11.
Benzo(k)fluoranthene	U	3.3	ug/Kgdrywt	1	20	21.	3.3	11.
Benzo(a)pyrene	U	3.5	ug/Kgdrywt	1	20	21.	3.5	11.
Indeno (1,2,3-cd) pyrene	U	2.0	ug/Kgdrywt	1	20	21.	2.0	11.
Dibenzo (a,h) anthracene	U	1.9	ug/Kgdrywt	1	20	21.	1.9	11.
Benzo(g,h,i)perylene	U	2.1	ug/Kgdrywt	1	20	21.	2.1	11.
2-Methylnaphthalene-D10		52.1	%					
Fluorene-D10		43.6	%					
Pyrene-D10		87.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2
Client ID: SBF1-50-55-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 84.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	3.0	ug/Kgdrywt	1	20	23.	3.0	12.
1-Methylnaphthalene	U	2.0	ug/Kgdrywt	1	20	23.	2.0	12.
2-Methylnaphthalene	U	2.6	ug/Kgdrywt	1	20	23.	2.6	12.
Acenaphthylene	U	1.4	ug/Kgdrywt	1	20	23.	1.4	12.
Acenaphthene	U	1.7	ug/Kgdrywt	1	20	23.	1.7	12.
Fluorene	U	3.7	ug/Kgdrywt	1	20	23.	3.7	12.
Phenanthrene	U	2.1	ug/Kgdrywt	1	20	23.	2.1	12.
Anthracene	U	1.4	ug/Kgdrywt	1	20	23.	1.4	12.
Fluoranthene	U	2.1	ug/Kgdrywt	1	20	23.	2.1	12.
Pyrene	U	2.4	ug/Kgdrywt	1	20	23.	2.4	12.
Benzo (a) anthracene	I	6.7	ug/Kgdrywt	1	20	23.	2.2	12.
Chrysene	U	2.0	ug/Kgdrywt	1	20	23.	2.0	12.
Benzo (b) Fluoranthene	U	2.8	ug/Kgdrywt	1	20	23.	2.8	12.
Benzo(k)fluoranthene	U	3.6	ug/Kgdrywt	1	20	23.	3.6	12.
Benzo(a)pyrene	U	3.8	ug/Kgdrywt	1	20	23.	3.8	12.
Indeno (1,2,3-cd) pyrene	U	2.2	ug/Kgdrywt	1	20	23.	2.2	12.
Dibenzo (a,h) anthracene	U	2.1	ug/Kgdrywt	1	20	23.	2.1	12.
Benzo(g,h,i)perylene	U	2.3	ug/Kgdrywt	1	20	23.	2.3	12.
2-Methylnaphthalene-D10		59.9	%					
Fluorene-D10		41.2	%					
Pyrene-D10		81.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58¹-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 81.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	3.1	ug/Kgdrywt	1	20	24.	3.1	12.
1-Methylnaphthalene	U	2.0	ug/Kgdrywt	1	20	24.	2.0	12.
2-Methylnaphthalene	U	2.6	ug/Kgdrywt	1	20	24.	2.6	12.
Acenaphthylene	U	1.4	ug/Kgdrywt	1	20	24.	1.4	12.
Acenaphthene	U	1.8	ug/Kgdrywt	1	20	24.	1.8	12.
Fluorene	U	3.8	ug/Kgdrywt	1	20	24.	3.8	12.
Phenanthrene	U	2.2	ug/Kgdrywt	1	20	24.	2.2	12.
Anthracene	U	1.4	ug/Kgdrywt	1	20	24.	1.4	12.
Fluoranthene	U	2.2	ug/Kgdrywt	1	20	24.	2.2	12.
Pyrene	U	2.5	ug/Kgdrywt	1	20	24.	2.5	12.
Benzo (a) anthracene	I	6.2	ug/Kgdrywt	1	20	24.	2.3	12.
Chrysene	U	2.0	ug/Kgdrywt	1	20	24.	2.0	12.
Benzo (b) Fluoranthene	U	2.9	ug/Kgdrywt	1	20	24.	2.9	12.
Benzo(k)fluoranthene	U	3.7	ug/Kgdrywt	1	20	24.	3.7	12.
Benzo(a)pyrene	U	4.0	ug/Kgdrywt	1	20	24.	4.0	12.
Indeno (1,2,3-cd) pyrene	U	2.3	ug/Kgdrywt	1	20	24.	2.3	12.
Dibenzo (a,h) anthracene	U	2.2	ug/Kgdrywt	1	20	24.	2.2	12.
Benzo(g,h,i)perylene	U	2.4	ug/Kgdrywt	1	20	24.	2.4	12.
2-Methylnaphthalene-D10		45.4	%					
Fluorene-D10		35.8	%					
Pyrene-D10		58.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	3.0	ug/Kgdrywt	1	20	23.	3.0	12.
1-Methylnaphthalene	U	2.0	ug/Kgdrywt	1	20	23.	2.0	12.
2-Methylnaphthalene	U	2.5	ug/Kgdrywt	1	20	23.	2.5	12.
Acenaphthylene	U	1.4	ug/Kgdrywt	1	20	23.	1.4	12.
Acenaphthene	U	1.7	ug/Kgdrywt	1	20	23.	1.7	12.
Fluorene	U	3.7	ug/Kgdrywt	1	20	23.	3.7	12.
Phenanthrene	U	2.1	ug/Kgdrywt	1	20	23.	2.1	12.
Anthracene	U	1.4	ug/Kgdrywt	1	20	23.	1.4	12.
Fluoranthene	U	2.1	ug/Kgdrywt	1	20	23.	2.1	12.
Pyrene	U	2.4	ug/Kgdrywt	1	20	23.	2.4	12.
Benzo (a) anthracene	I	5.8	ug/Kgdrywt	1	20	23.	2.2	12.
Chrysene	U	2.0	ug/Kgdrywt	1	20	23.	2.0	12.
Benzo (b) Fluoranthene	U	2.8	ug/Kgdrywt	1	20	23.	2.8	12.
Benzo(k)fluoranthene	U	3.6	ug/Kgdrywt	1	20	23.	3.6	12.
Benzo(a)pyrene	U	3.8	ug/Kgdrywt	1	20	23.	3.8	12.
Indeno (1,2,3-cd) pyrene	U	2.2	ug/Kgdrywt	1	20	23.	2.2	12.
Dibenzo (a,h) anthracene	U	2.1	ug/Kgdrywt	1	20	23.	2.1	12.
Benzo(g,h,i)perylene	U	2.3	ug/Kgdrywt	1	20	23.	2.3	12.
2-Methylnaphthalene-D10		46.0	%					
Fluorene-D10		28.0	%					
Pyrene-D10		61.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85396

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	I	0.11	ug/L	1	.2	0.19	0.061	0.095
1-Methylnaphthalene	U	0.065	ug/L	1	.2	0.19	0.065	0.095
2-Methylnaphthalene	U	0.073	ug/L	1	.2	0.19	0.073	0.095
Acenaphthylene	U	0.051	ug/L	1	.2	0.19	0.051	0.095
Acenaphthene	U	0.061	ug/L	1	.2	0.19	0.061	0.095
Fluorene	U	0.058	ug/L	1	.2	0.19	0.058	0.095
Phenanthrene	U	0.048	ug/L	1	.2	0.19	0.048	0.095
Anthracene	U	0.042	ug/L	1	.2	0.19	0.042	0.095
Fluoranthene	U	0.070	ug/L	1	.2	0.19	0.070	0.095
Pyrene	U	0.056	ug/L	1	.2	0.19	0.056	0.095
Benzo (a) anthracene	U	0.044	ug/L	1	.2	0.19	0.044	0.095
Chrysene	U	0.034	ug/L	1	.2	0.19	0.034	0.095
Benzo (b) Fluoranthene	U	0.085	ug/L	1	.2	0.19	0.085	0.095
Benzo(k)fluoranthene	U	0.047	ug/L	1	.2	0.19	0.047	0.095
Benzo(a)pyrene	U	0.063	ug/L	1	.2	0.19	0.063	0.095
Indeno (1,2,3-cd) pyrene	U	0.050	ug/L	1	.2	0.19	0.050	0.095
Dibenzo (a,h) anthracene	U	0.067	ug/L	1	.2	0.19	0.067	0.095
Benzo(g,h,i)perylene	U	0.062	ug/L	1	.2	0.19	0.062	0.095
2-Methylnaphthalene-D10		67.0	%					
Fluorene-D10		46.2	%					
pyrene-d10		87.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Sauffley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 90.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.073	ug/Kgdrywt	1	1.7	0.37	0.073	0.18
gamma-BHC	U	0.058	ug/Kgdrywt	1	1.7	0.37	0.058	0.18
Heptachlor	U	0.062	ug/Kgdrywt	1	1.7	0.37	0.062	0.18
Aldrin	I	0.086	ug/Kgdrywt	1	1.7	0.37	0.060	0.18
beta-BHC	U	0.071	ug/Kgdrywt	1	1.7	0.37	0.071	0.18
delta-BHC	U	0.069	ug/Kgdrywt	1	1.7	0.37	0.069	0.18
Heptachlor Epoxide	U	0.047	ug/Kgdrywt	1	1.7	0.37	0.047	0.18
Endosulfan I	I	0.066	ug/Kgdrywt	1	1.7	0.37	0.052	0.18
Gamma-Chlordane	U	0.050	ug/Kgdrywt	1	1.7	0.37	0.050	0.18
Alpha-Chlordane	U	0.045	ug/Kgdrywt	1	1.7	0.37	0.045	0.18
4,4'-DDE		1.3	ug/Kgdrywt	1	3.3	0.71	0.041	0.36
Dieldrin		9.6	ug/Kgdrywt	1	3.3	0.71	0.047	0.36
Endrin	U	0.18	ug/Kgdrywt	1	3.3	0.71	0.18	0.36
4,4'-DDD	IJ	0.45	ug/Kgdrywt	1	3.3	0.71	0.043	0.36
Endosulfan II	U	0.073	ug/Kgdrywt	1	3.3	0.71	0.073	0.36
4,4'-DDT		1.7	ug/Kgdrywt	1	3.3	0.71	0.067	0.36
Endrin Aldehyde	I	0.44	ug/Kgdrywt	1	3.3	0.71	0.10	0.36
Endosulfan Sulfate	U	0.12	ug/Kgdrywt	1	3.3	0.71	0.12	0.36
Methoxychlor	U	0.11	ug/Kgdrywt	1	17	3.7	0.11	1.8
Toxaphene	U	1.5	ug/Kgdrywt	1	33	7.1	1.5	3.4
Tetrachloro-M-Xylene		59.6	%					
Decachlorobiphenyl		81.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.079	ug/Kgdrywt	1	1.7	0.40	0.079	0.20
gamma-BHC	U	0.063	ug/Kgdrywt	1	1.7	0.40	0.063	0.20
Heptachlor	U	0.068	ug/Kgdrywt	1	1.7	0.40	0.068	0.20
Aldrin	I	0.093	ug/Kgdrywt	1	1.7	0.40	0.065	0.20
beta-BHC	U	0.077	ug/Kgdrywt	1	1.7	0.40	0.077	0.20
delta-BHC	U	0.075	ug/Kgdrywt	1	1.7	0.40	0.075	0.20
Heptachlor Epoxide	U	0.051	ug/Kgdrywt	1	1.7	0.40	0.051	0.20
Endosulfan I	U	0.056	ug/Kgdrywt	1	1.7	0.40	0.056	0.20
Gamma-Chlordane	U	0.054	ug/Kgdrywt	1	1.7	0.40	0.054	0.20
Alpha-Chlordane	U	0.049	ug/Kgdrywt	1	1.7	0.40	0.049	0.20
4,4'-DDE		1.4	ug/Kgdrywt	1	3.3	0.77	0.044	0.38
Dieldrin		10.	ug/Kgdrywt	1	3.3	0.77	0.051	0.38
Endrin	U	0.20	ug/Kgdrywt	1	3.3	0.77	0.20	0.38
4,4'-DDD	I	0.46	ug/Kgdrywt	1	3.3	0.77	0.047	0.38
Endosulfan II	U	0.079	ug/Kgdrywt	1	3.3	0.77	0.079	0.38
4,4'-DDT		1.9	ug/Kgdrywt	1	3.3	0.77	0.072	0.38
Endrin Aldehyde	I	0.38	ug/Kgdrywt	1	3.3	0.77	0.11	0.38
Endosulfan Sulfate	U	0.14	ug/Kgdrywt	1	3.3	0.77	0.14	0.38
Methoxychlor	U	0.12	ug/Kgdrywt	1	17	4.0	0.12	2.0
Toxaphene	U	1.6	ug/Kgdrywt	1	33	7.7	1.6	3.7
Tetrachloro-M-Xylene		69.9	%					
Decachlorobiphenyl		82.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.072	ug/Kgdrywt	1	1.7	0.36	0.072	0.18
gamma-BHC	U	0.057	ug/Kgdrywt	1	1.7	0.36	0.057	0.18
Heptachlor	U	0.061	ug/Kgdrywt	1	1.7	0.36	0.061	0.18
Aldrin	U	0.059	ug/Kgdrywt	1	1.7	0.36	0.059	0.18
beta-BHC	U	0.069	ug/Kgdrywt	1	1.7	0.36	0.069	0.18
delta-BHC	U	0.067	ug/Kgdrywt	1	1.7	0.36	0.067	0.18
Heptachlor Epoxide	U	0.046	ug/Kgdrywt	1	1.7	0.36	0.046	0.18
Endosulfan I	I	0.11	ug/Kgdrywt	1	1.7	0.36	0.050	0.18
Gamma-Chlordane	U	0.048	ug/Kgdrywt	1	1.7	0.36	0.048	0.18
Alpha-Chlordane	U	0.044	ug/Kgdrywt	1	1.7	0.36	0.044	0.18
4,4'-DDE	I	0.15	ug/Kgdrywt	1	3.3	0.69	0.040	0.35
Dieldrin		0.82	ug/Kgdrywt	1	3.3	0.69	0.046	0.35
Endrin	U	0.18	ug/Kgdrywt	1	3.3	0.69	0.18	0.35
4,4'-DDD	U	0.042	ug/Kgdrywt	1	3.3	0.69	0.042	0.35
Endosulfan II	U	0.072	ug/Kgdrywt	1	3.3	0.69	0.072	0.35
4,4'-DDT	I	0.12	ug/Kgdrywt	1	3.3	0.69	0.065	0.35
Endrin Aldehyde	U	0.10	ug/Kgdrywt	1	3.3	0.69	0.10	0.35
Endosulfan Sulfate	U	0.12	ug/Kgdrywt	1	3.3	0.69	0.12	0.35
Methoxychlor	U	0.10	ug/Kgdrywt	1	17	3.6	0.10	1.8
Toxaphene	U	1.5	ug/Kgdrywt	1	33	6.9	1.5	3.4
Tetrachloro-M-Xylene		75.3	%					
Decachlorobiphenyl		102.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.077	ug/Kgdrywt	1	1.7	0.38	0.077	0.19
gamma-BHC	U	0.061	ug/Kgdrywt	1	1.7	0.38	0.061	0.19
Heptachlor	U	0.066	ug/Kgdrywt	1	1.7	0.38	0.066	0.19
Aldrin	U	0.063	ug/Kgdrywt	1	1.7	0.38	0.063	0.19
beta-BHC	U	0.074	ug/Kgdrywt	1	1.7	0.38	0.074	0.19
delta-BHC	U	0.072	ug/Kgdrywt	1	1.7	0.38	0.072	0.19
Heptachlor Epoxide	U	0.050	ug/Kgdrywt	1	1.7	0.38	0.050	0.19
Endosulfan I	U	0.054	ug/Kgdrywt	1	1.7	0.38	0.054	0.19
Gamma-Chlordane	U	0.052	ug/Kgdrywt	1	1.7	0.38	0.052	0.19
Alpha-Chlordane	U	0.047	ug/Kgdrywt	1	1.7	0.38	0.047	0.19
4,4'-DDE	IJ	0.075	ug/Kgdrywt	1	3.3	0.74	0.043	0.37
Dieldrin	I	0.13	ug/Kgdrywt	1	3.3	0.74	0.050	0.37
Endrin	U	0.19	ug/Kgdrywt	1	3.3	0.74	0.19	0.37
4,4'-DDD	U	0.045	ug/Kgdrywt	1	3.3	0.74	0.045	0.37
Endosulfan II	U	0.077	ug/Kgdrywt	1	3.3	0.74	0.077	0.37
4,4'-DDT	IJ	0.14	ug/Kgdrywt	1	3.3	0.74	0.070	0.37
Endrin Aldehyde	U	0.11	ug/Kgdrywt	1	3.3	0.74	0.11	0.37
Endosulfan Sulfate	U	0.13	ug/Kgdrywt	1	3.3	0.74	0.13	0.37
Methoxychlor	U	0.11	ug/Kgdrywt	1	17	3.8	0.11	1.9
Toxaphene	U	1.6	ug/Kgdrywt	1	33	7.4	1.6	3.6
Tetrachloro-M-Xylene		52.9	%					
Decachlorobiphenyl		73.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 89.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.073	ug/Kgdrywt	1	1.7	0.36	0.073	0.18
gamma-BHC	U	0.058	ug/Kgdrywt	1	1.7	0.36	0.058	0.18
Heptachlor	U	0.062	ug/Kgdrywt	1	1.7	0.36	0.062	0.18
Aldrin	U	0.060	ug/Kgdrywt	1	1.7	0.36	0.060	0.18
beta-BHC	U	0.071	ug/Kgdrywt	1	1.7	0.36	0.071	0.18
delta-BHC	U	0.068	ug/Kgdrywt	1	1.7	0.36	0.068	0.18
Heptachlor Epoxide	U	0.047	ug/Kgdrywt	1	1.7	0.36	0.047	0.18
Endosulfan I	U	0.051	ug/Kgdrywt	1	1.7	0.36	0.051	0.18
Gamma-Chlordane	U	0.049	ug/Kgdrywt	1	1.7	0.36	0.049	0.18
Alpha-Chlordane	U	0.045	ug/Kgdrywt	1	1.7	0.36	0.045	0.18
4,4'-DDE	U	0.041	ug/Kgdrywt	1	3.3	0.71	0.041	0.35
Dieldrin	U	0.047	ug/Kgdrywt	1	3.3	0.71	0.047	0.35
Endrin	U	0.18	ug/Kgdrywt	1	3.3	0.71	0.18	0.35
4,4'-DDD	U	0.043	ug/Kgdrywt	1	3.3	0.71	0.043	0.35
Endosulfan II	U	0.073	ug/Kgdrywt	1	3.3	0.71	0.073	0.35
4,4'-DDT	U	0.066	ug/Kgdrywt	1	3.3	0.71	0.066	0.35
Endrin Aldehyde	U	0.10	ug/Kgdrywt	1	3.3	0.71	0.10	0.35
Endosulfan Sulfate	U	0.12	ug/Kgdrywt	1	3.3	0.71	0.12	0.35
Methoxychlor	U	0.11	ug/Kgdrywt	1	17	3.6	0.11	1.8
Toxaphene	U	1.5	ug/Kgdrywt	1	33	7.1	1.5	3.4
Tetrachloro-M-Xylene		51.2	%					
Decachlorobiphenyl		75.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.074	ug/Kgdrywt	1	1.7	0.37	0.074	0.18
gamma-BHC	U	0.058	ug/Kgdrywt	1	1.7	0.37	0.058	0.18
Heptachlor	U	0.063	ug/Kgdrywt	1	1.7	0.37	0.063	0.18
Aldrin	U	0.061	ug/Kgdrywt	1	1.7	0.37	0.061	0.18
beta-BHC	U	0.072	ug/Kgdrywt	1	1.7	0.37	0.072	0.18
delta-BHC	U	0.069	ug/Kgdrywt	1	1.7	0.37	0.069	0.18
Heptachlor Epoxide	U	0.048	ug/Kgdrywt	1	1.7	0.37	0.048	0.18
Endosulfan I	U	0.052	ug/Kgdrywt	1	1.7	0.37	0.052	0.18
Gamma-Chlordane	U	0.050	ug/Kgdrywt	1	1.7	0.37	0.050	0.18
Alpha-Chlordane	U	0.046	ug/Kgdrywt	1	1.7	0.37	0.046	0.18
4,4'-DDE	I	0.55	ug/Kgdrywt	1	3.3	0.72	0.041	0.36
Dieldrin		6.6	ug/Kgdrywt	1	3.3	0.72	0.048	0.36
Endrin	U	0.18	ug/Kgdrywt	1	3.3	0.72	0.18	0.36
4,4'-DDD	I	0.48	ug/Kgdrywt	1	3.3	0.72	0.043	0.36
Endosulfan II	U	0.074	ug/Kgdrywt	1	3.3	0.72	0.074	0.36
4,4'-DDT	I	0.18	ug/Kgdrywt	1	3.3	0.72	0.067	0.36
Endrin Aldehyde	U	0.11	ug/Kgdrywt	1	3.3	0.72	0.11	0.36
Endosulfan Sulfate	U	0.12	ug/Kgdrywt	1	3.3	0.72	0.12	0.36
Methoxychlor	U	0.11	ug/Kgdrywt	1	17	3.7	0.11	1.8
Toxaphene	U	1.5	ug/Kgdrywt	1	33	7.2	1.5	3.5
Tetrachloro-M-Xylene		58.6	%					
Decachlorobiphenyl		86.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2
Client ID: SBF1-50-55'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 84.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.080	ug/Kgdrywt	1	1.7	0.40	0.080	0.20
gamma-BHC	U	0.063	ug/Kgdrywt	1	1.7	0.40	0.063	0.20
Heptachlor	U	0.068	ug/Kgdrywt	1	1.7	0.40	0.068	0.20
Aldrin	U	0.066	ug/Kgdrywt	1	1.7	0.40	0.066	0.20
beta-BHC	U	0.078	ug/Kgdrywt	1	1.7	0.40	0.078	0.20
delta-BHC	U	0.075	ug/Kgdrywt	1	1.7	0.40	0.075	0.20
Heptachlor Epoxide	U	0.052	ug/Kgdrywt	1	1.7	0.40	0.052	0.20
Endosulfan I	U	0.056	ug/Kgdrywt	1	1.7	0.40	0.056	0.20
Gamma-Chlordane	U	0.054	ug/Kgdrywt	1	1.7	0.40	0.054	0.20
Alpha-Chlordane	U	0.049	ug/Kgdrywt	1	1.7	0.40	0.049	0.20
4,4'-DDE	U	0.045	ug/Kgdrywt	1	3.3	0.78	0.045	0.39
Dieldrin	U	0.052	ug/Kgdrywt	1	3.3	0.78	0.052	0.39
Endrin	U	0.20	ug/Kgdrywt	1	3.3	0.78	0.20	0.39
4,4'-DDD	U	0.047	ug/Kgdrywt	1	3.3	0.78	0.047	0.39
Endosulfan II	U	0.080	ug/Kgdrywt	1	3.3	0.78	0.080	0.39
4,4'-DDT	U	0.073	ug/Kgdrywt	1	3.3	0.78	0.073	0.39
Endrin Aldehyde	U	0.12	ug/Kgdrywt	1	3.3	0.78	0.12	0.39
Endosulfan Sulfate	U	0.14	ug/Kgdrywt	1	3.3	0.78	0.14	0.39
Methoxychlor	U	0.12	ug/Kgdrywt	1	17	4.0	0.12	2.0
Toxaphene	U	1.6	ug/Kgdrywt	1	33	7.8	1.6	3.8
Tetrachloro-M-Xylene		43.2	%					
Decachlorobiphenyl		72.4	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 81.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.079	ug/Kgdrywt	1	1.7	0.39	0.079	0.20
gamma-BHC	U	0.063	ug/Kgdrywt	1	1.7	0.39	0.063	0.20
Heptachlor	U	0.067	ug/Kgdrywt	1	1.7	0.39	0.067	0.20
Aldrin	U	0.065	ug/Kgdrywt	1	1.7	0.39	0.065	0.20
beta-BHC	U	0.076	ug/Kgdrywt	1	1.7	0.39	0.076	0.20
delta-BHC	U	0.074	ug/Kgdrywt	1	1.7	0.39	0.074	0.20
Heptachlor Epoxide	U	0.051	ug/Kgdrywt	1	1.7	0.39	0.051	0.20
Endosulfan I	U	0.056	ug/Kgdrywt	1	1.7	0.39	0.056	0.20
Gamma-Chlordane	U	0.053	ug/Kgdrywt	1	1.7	0.39	0.053	0.20
Alpha-Chlordane	U	0.049	ug/Kgdrywt	1	1.7	0.39	0.049	0.20
4,4'-DDE	U	0.044	ug/Kgdrywt	1	3.3	0.76	0.044	0.38
Dieldrin	U	0.051	ug/Kgdrywt	1	3.3	0.76	0.051	0.38
Endrin	U	0.20	ug/Kgdrywt	1	3.3	0.76	0.20	0.38
4,4'-DDD	U	0.046	ug/Kgdrywt	1	3.3	0.76	0.046	0.38
Endosulfan II	U	0.079	ug/Kgdrywt	1	3.3	0.76	0.079	0.38
4,4'-DDT	U	0.072	ug/Kgdrywt	1	3.3	0.76	0.072	0.38
Endrin Aldehyde	U	0.11	ug/Kgdrywt	1	3.3	0.76	0.11	0.38
Endosulfan Sulfate	U	0.13	ug/Kgdrywt	1	3.3	0.76	0.13	0.38
Methoxychlor	U	0.12	ug/Kgdrywt	1	17	3.9	0.12	2.0
Toxaphene	U	1.6	ug/Kgdrywt	1	33	7.6	1.6	3.7
Tetrachloro-M-Xylene		50.5	%					
Decachlorobiphenyl		72.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 01-DEC-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: 83.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.075	ug/Kgdrywt	1	1.7	0.38	0.075	0.19
gamma-BHC	U	0.060	ug/Kgdrywt	1	1.7	0.38	0.060	0.19
Heptachlor	U	0.064	ug/Kgdrywt	1	1.7	0.38	0.064	0.19
Aldrin	U	0.062	ug/Kgdrywt	1	1.7	0.38	0.062	0.19
beta-BHC	U	0.073	ug/Kgdrywt	1	1.7	0.38	0.073	0.19
delta-BHC	U	0.071	ug/Kgdrywt	1	1.7	0.38	0.071	0.19
Heptachlor Epoxide	U	0.048	ug/Kgdrywt	1	1.7	0.38	0.048	0.19
Endosulfan I	U	0.053	ug/Kgdrywt	1	1.7	0.38	0.053	0.19
Gamma-Chlordane	U	0.051	ug/Kgdrywt	1	1.7	0.38	0.051	0.19
Alpha-Chlordane	U	0.046	ug/Kgdrywt	1	1.7	0.38	0.046	0.19
4,4'-DDE	U	0.042	ug/Kgdrywt	1	3.3	0.73	0.042	0.36
Dieldrin	U	0.048	ug/Kgdrywt	1	3.3	0.73	0.048	0.36
Endrin	U	0.19	ug/Kgdrywt	1	3.3	0.73	0.19	0.36
4,4'-DDD	U	0.044	ug/Kgdrywt	1	3.3	0.73	0.044	0.36
Endosulfan II	U	0.075	ug/Kgdrywt	1	3.3	0.73	0.075	0.36
4,4'-DDT	U	0.068	ug/Kgdrywt	1	3.3	0.73	0.068	0.36
Endrin Aldehyde	U	0.11	ug/Kgdrywt	1	3.3	0.73	0.11	0.36
Endosulfan Sulfate	U	0.13	ug/Kgdrywt	1	3.3	0.73	0.13	0.36
Methoxychlor	U	0.11	ug/Kgdrywt	1	17	3.8	0.11	1.9
Toxaphene	U	1.5	ug/Kgdrywt	1	33	7.3	1.5	3.5
Tetrachloro-M-Xylene		48.3	%					
Decachlorobiphenyl		73.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85427

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0013	ug/L	1	.05	0.0095	0.0013	0.0048
Gamma-BHC	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
Heptachlor	U	0.0015	ug/L	1	.05	0.0095	0.0015	0.0048
Aldrin	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
beta-BHC	U	0.0012	ug/L	1	.05	0.0095	0.0012	0.0048
delta-BHC	U	0.0025	ug/L	1	.05	0.0095	0.0025	0.0048
Heptachlor Epoxide	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
Endosulfan I	U	0.0012	ug/L	1	.05	0.0095	0.0012	0.0048
Gamma-Chlordane	U	0.0011	ug/L	1	.05	0.0095	0.0011	0.0048
Alpha-Chlordane	U	0.0014	ug/L	1	.05	0.0095	0.0014	0.0048
4,4'-DDE	U	0.00093	ug/L	1	.1	0.019	0.00093	0.0095
Dieldrin	U	0.0012	ug/L	1	.1	0.019	0.0012	0.0095
Endrin	U	0.0016	ug/L	1	.1	0.019	0.0016	0.0095
4,4'-DDD	U	0.0017	ug/L	1	.1	0.019	0.0017	0.0095
Endosulfan II	U	0.0011	ug/L	1	.1	0.019	0.0011	0.0095
4,4'-DDT	U	0.0017	ug/L	1	.1	0.019	0.0017	0.0095
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.019	0.0012	0.0095
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.019	0.0013	0.0095
Methoxychlor	U	0.0016	ug/L	1	.5	0.095	0.0016	0.048
Toxaphene	U	0.032	ug/L	1	1	0.19	0.032	0.095
Tetrachloro-M-Xylene		88.9	%					
Decachlorobiphenyl		64.2	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 90.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.3	ug/Kgdrywt	1	17	3.7	1.3	1.8
Aroclor-1221	U	1.7	ug/Kgdrywt	1	17	3.7	1.7	1.8
Aroclor-1232	U	2.0	ug/Kgdrywt	1	17	3.7	2.0	2.2
Aroclor-1242	U	1.2	ug/Kgdrywt	1	17	3.7	1.2	1.8
Aroclor-1248	U	1.3	ug/Kgdrywt	1	17	3.7	1.3	1.8
Aroclor-1254	U	1.0	ug/Kgdrywt	1	17	3.7	1.0	1.8
Aroclor-1260	U	1.3	ug/Kgdrywt	1	17	3.7	1.3	1.8
Tetrachloro-M-Xylene	J	50.1	%					
Decachlorobiphenyl		93.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 77.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJMDL	ADJ LOD
Aroclor-1016	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Aroclor-1221	U	1.8	ug/Kgdrywt	1	17	4.0	1.8	2.0
Aroclor-1232	U	2.2	ug/Kgdrywt	1	17	4.0	2.2	2.3
Aroclor-1242	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Aroclor-1248	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Aroclor-1254	U	1.1	ug/Kgdrywt	1	17	4.0	1.1	2.0
Aroclor-1260	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Tetrachloro-M-Xylene		59.8	%					
Decachlorobiphenyl		104.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 92.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.3	ug/Kgdrywt	1	17	3.6	1.3	1.8
Aroclor-1221	U	1.7	ug/Kgdrywt	1	17	3.6	1.7	1.8
Aroclor-1232	U	2.0	ug/Kgdrywt	1	17	3.6	2.0	2.1
Aroclor-1242	U	1.2	ug/Kgdrywt	1	17	3.6	1.2	1.8
Aroclor-1248	U	1.3	ug/Kgdrywt	1	17	3.6	1.3	1.8
Aroclor-1254	U	0.99	ug/Kgdrywt	1	17	3.6	0.99	1.8
Aroclor-1260	U	1.3	ug/Kgdrywt	1	17	3.6	1.3	1.8
Tetrachloro-M-Xylene		63.3	%					
Decachlorobiphenyl		101.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 83.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.4	ug/Kgdrywt	1	17	3.8	1.4	1.9
Aroclor-1221	U	1.8	ug/Kgdrywt	1	17	3.8	1.8	1.9
Aroclor-1232	U	2.1	ug/Kgdrywt	1	17	3.8	2.1	2.2
Aroclor-1242	U	1.3	ug/Kgdrywt	1	17	3.8	1.3	1.9
Aroclor-1248	U	1.4	ug/Kgdrywt	1	17	3.8	1.4	1.9
Aroclor-1254	U	1.1	ug/Kgdrywt	1	17	3.8	1.1	1.9
Aroclor-1260	U	1.4	ug/Kgdrywt	1	17	3.8	1.4	1.9
Tetrachloro-M-Xylene	J	50.0	%					
Decachlorobiphenyl		76.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 89.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.3	ug/Kgdrywt	1	17	3.6	1.3	1.8
Aroclor-1221	U	1.7	ug/Kgdrywt	1	17	3.6	1.7	1.8
Aroclor-1232	U	2.0	ug/Kgdrywt	1	17	3.6	2.0	2.1
Aroclor-1242	U	1.2	ug/Kgdrywt	1	17	3.6	1.2	1.8
Aroclor-1248	U	1.3	ug/Kgdrywt	1	17	3.6	1.3	1.8
Aroclor-1254	U	1.0	ug/Kgdrywt	1	17	3.6	1.0	1.8
Aroclor-1260	U	1.3	ug/Kgdrywt	1	17	3.6	1.3	1.8
Tetrachloro-M-Xylene	J	39.8	%					
Decachlorobiphenyl		77.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1
Client ID: SBF1-10-12-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 92.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.3	ug/Kgdrywt	1	17	3.7	1.3	1.8
Aroclor-1221	U	1.7	ug/Kgdrywt	1	17	3.7	1.7	1.8
Aroclor-1232	U	2.0	ug/Kgdrywt	1	17	3.7	2.0	2.2
Aroclor-1242	U	1.2	ug/Kgdrywt	1	17	3.7	1.2	1.8
Aroclor-1248	U	1.3	ug/Kgdrywt	1	17	3.7	1.3	1.8
Aroclor-1254	U	1.0	ug/Kgdrywt	1	17	3.7	1.0	1.8
Aroclor-1260	U	1.3	ug/Kgdrywt	1	17	3.7	1.3	1.8
Tetrachloro-M-Xylene	J	55.4	%					
Decachlorobiphenyl		84.9	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2
Client ID: SBF1-50-55-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 84.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Aroclor-1221	U	1.8	ug/Kgdrywt	1	17	4.0	1.8	2.0
Aroclor-1232	U	2.2	ug/Kgdrywt	1	17	4.0	2.2	2.4
Aroclor-1242	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Aroclor-1248	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Aroclor-1254	U	1.1	ug/Kgdrywt	1	17	4.0	1.1	2.0
Aroclor-1260	U	1.4	ug/Kgdrywt	1	17	4.0	1.4	2.0
Tetrachloro-M-Xylene	J	39.3	%					
Decachlorobiphenyl		74.2	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 81.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.4	ug/Kgdrywt	1	17	3.9	1.4	2.0
Aroclor-1221	U	1.8	ug/Kgdrywt	1	17	3.9	1.8	2.0
Aroclor-1232	U	2.2	ug/Kgdrywt	1	17	3.9	2.2	2.3
Aroclor-1242	U	1.3	ug/Kgdrywt	1	17	3.9	1.3	2.0
Aroclor-1248	U	1.4	ug/Kgdrywt	1	17	3.9	1.4	2.0
Aroclor-1254	U	1.1	ug/Kgdrywt	1	17	3.9	1.1	2.0
Aroclor-1260	U	1.4	ug/Kgdrywt	1	17	3.9	1.4	2.0
Tetrachloro-M-Xylene	J	46.1	%					
Decachlorobiphenyl		76.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63¹-11/2010
Project: OLF Saufley Field, FL- CTO
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 30-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: 83.
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.3	ug/Kgdrywt	1	17	3.8	1.3	1.9
Aroclor-1221	U	1.7	ug/Kgdrywt	1	17	3.8	1.7	1.9
Aroclor-1232	U	2.0	ug/Kgdrywt	1	17	3.8	2.0	2.2
Aroclor-1242	U	1.3	ug/Kgdrywt	1	17	3.8	1.3	1.9
Aroclor-1248	U	1.3	ug/Kgdrywt	1	17	3.8	1.3	1.9
Aroclor-1254	U	1.0	ug/Kgdrywt	1	17	3.8	1.0	1.9
Aroclor-1260	U	1.3	ug/Kgdrywt	1	17	3.8	1.3	1.9
Tetrachloro-M-Xylene	J	45.8	%					
Decachlorobiphenyl		81.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85429

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 07-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.028	ug/L	1	.5	0.095	0.028	0.048
Aroclor-1221	U	0.038	ug/L	1	.5	0.095	0.038	0.048
Aroclor-1232	U	0.017	ug/L	1	.5	0.095	0.017	0.048
Aroclor-1242	U	0.034	ug/L	1	.5	0.095	0.034	0.048
Aroclor-1248	U	0.038	ug/L	1	.5	0.095	0.038	0.048
Aroclor-1254	U	0.016	ug/L	1	.5	0.095	0.016	0.048
Aroclor-1260	U	0.032	ug/L	1	.5	0.095	0.032	0.048
Tetrachloro-M-Xylene		81.6	%					
Decachlorobiphenyl		65.8	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-7
Client ID: FD11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 90.
Report Date: 09-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics		43.	mg/Kgdrywt	1	20	21.	2.4	11.
o-Terphenyl		96.6	%					
n-Triacontane-D62		98.6	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 77.
Report Date: 09-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics		47.	mg/Kgdrywt	1	20	25.	2.8	13.
o-Terphenyl		93.5	%					
n-Triacontane-D62		99.2	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-8
Client ID: SBA1-2-4'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 92.
Report Date: 09-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	I	18.	mg/Kgdrywt	1	20	21.	2.3	10.
o-Terphenyl		104.	%					
n-Triacontane-D62		110.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-5
Client ID: SBA1-27-33'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 83.
Report Date: 09-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	I	12.	mg/Kgdrywt	1	20	24.	2.7	12.
o-Terphenyl	J	129.	%					
n-Triacontane-D62	J	130.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-9
Client ID: SBA1-46-47'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 89.
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	2.4	mg/Kgdrywt	1	20	22.	2.4	11.
o-Terphenyl		85.9	%					
n-Triacontane-D62		91.3	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 92.
Report Date: 09-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	I	11.	mg/Kgdrywt	1	20	22.	2.4	11.
o-Terphenyl		100.	%					
n-Triacontane-D62		101.	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-2
Client ID: SBF1-50-55'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 84.
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	2.4	mg/Kgdrywt	1	20	22.	2.4	11.
o-Terphenyl		93.0	%					
n-Triacontane-D62		97.7	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-3
Client ID: SBF1-55-58-11/2010
Project: OLF Saufley Field, FL- CTO .
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 81.
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	2.8	mg/Kgdrywt	1	20	25.	2.8	12.
o-Terphenyl		85.8	%					
n-Triacontane-D62		93.1	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-4
Client ID: SBF1-61-63'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: 83.
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	2.4	mg/Kgdrywt	1	20	21.	2.4	11.
o-Terphenyl		84.7	%					
n-Triacontane-D62		93.0	%					

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-10
Client ID: RB11171001
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85435

Analysis Date: 09-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	54	ug/L	1	500	480	54.	240
o-Terphenyl	J	69.6	%					
n-Triacontane-D62		71.0	%					

APPENDIX C

SUPPORT DOCUMENTATION

HOLD TIME

SDG CTOJM30-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SAA1-0-2-11/2010	SD7209-006R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-61-63'-11/2010	SD7209-004R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-55-58'-11/2010	SD7209-003R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-50-55'-11/2010	SD7209-002R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBF1-10-12'-11/2010	SD7209-001R	NM	11/16/2010	12/09/2010	12/10/2010	23	1	24
HG	MG/KG	SBA1-46-47'-11/2010	SD7209-009R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBA1-27-33'-11/2010	SD7209-005R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	SBA1-2-4'-11/2010	SD7209-008R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	MG/KG	FD11171001	SD7209-007R	NM	11/17/2010	12/09/2010	12/10/2010	22	1	23
HG	UG/L	RB11171001	SD7209-010	NM	11/17/2010	12/06/2010	12/06/2010	19	0	19
M	MG/KG	SBA1-46-47'-11/2010	SD7209-009	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SAA1-0-2-11/2010	SD7209-006	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBA1-2-4'-11/2010	SD7209-008	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBA1-27-33'-11/2010	SD7209-005	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBF1-10-12'-11/2010	SD7209-001	NM	11/16/2010	12/03/2010	12/07/2010	17	4	21

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SBF1-55-58'-11/2010	SD7209-003	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBF1-61-63'-11/2010	SD7209-004	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	FD11171001	SD7209-007	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	MG/KG	SBF1-50-55'-11/2010	SD7209-002	NM	11/17/2010	12/03/2010	12/07/2010	16	4	20
M	UG/L	RB11171001	SD7209-010	NM	11/17/2010	12/06/2010	12/07/2010	19	1	20
TS	%	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/22/2010	3	3	6
TS	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
TS	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/22/2010	2	3	5
OS	%	RB11171001	SD7209-10	SUR	11/17/2010	11/22/2010	11/23/2010	5	1	6
OS	%	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/23/2010	5	1	6
OS	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	SAA1-0-2-11/2010	SD7209-6	SUR	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	SBA1-2-4-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	SBA1-2-4-11/2010	SD7209-8	SUR	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	SBA1-27-33-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBF1-10-12-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/23/2010	3	4	7
OS	%	SBF1-10-12-11/2010	SD7209-1	SUR	11/16/2010	11/19/2010	11/23/2010	3	4	7
OS	%	SBF1-50-55-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBF1-50-55-11/2010	SD7209-2	SUR	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBF1-55-58-11/2010	SD7209-3	SUR	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBF1-61-63-11/2010	SD7209-4	SUR	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	FD11171001	SD7209-7	SUR	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	SBA1-27-33-11/2010	SD7209-5	SUR	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBF1-55-58-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	%	SBA1-46-47-11/2010	SD7209-9	SUR	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	%	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	UG/KG	SBA1-27-33-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	UG/KG	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	UG/KG	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	UG/KG	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/23/2010	3	4	7
OS	UG/KG	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	UG/KG	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	UG/KG	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
OS	UG/KG	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
OS	UG/L	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/23/2010	5	1	6
OV	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	SAA1-0-2-11/2010	SD7209-6	SUR	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	RB11171001	SD7209-10	SUR	11/17/2010	11/29/2010	11/29/2010	12	0	12
OV	%	SBF1-55-58'-11/2010	SD7209-3	SUR	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	SBA1-46-47'-11/2010	SD7209-9	SUR	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	SBF1-10-12'-11/2010	SD7209-1RA	NM	11/16/2010	11/24/2010	11/24/2010	8	0	8
OV	%	SBF1-10-12'-11/2010	SD7209-1RA	SUR	11/16/2010	11/24/2010	11/24/2010	8	0	8
OV	%	SBF1-50-55'-11/2010	SD7209-2RA2	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7

SORT	UNITS	NSAMPLE	LAB_ID	QC TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SBA1-2-4'-11/2010	SD7209-8	SUR	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	RB11171001	SD7209-10	NM	11/17/2010	11/29/2010	11/29/2010	12	0	12
OV	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	SBF1-61-63'-11/2010	SD7209-4	SUR	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	TB11171001	SD7209-11	NM	11/17/2010	11/29/2010	11/29/2010	12	0	12
OV	%	TB11171001	SD7209-11	SUR	11/17/2010	11/29/2010	11/29/2010	12	0	12
OV	%	TRIP BLANK FOR SOIL	SD7209-12	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	TRIP BLANK FOR SOIL	SD7209-12	SUR	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	SBF1-50-55'-11/2010	SD7209-2RA2	SUR	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	SBA1-27-33'-11/2010	SD7209-5	SUR	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	FD11171001	SD7209-7	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	%	FD11171001	SD7209-7	SUR	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	UG/KG	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	UG/KG	FD11171001	SD7209-7	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	UG/KG	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	UG/KG	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SBF1-10-12'-11/2010	SD7209-1RA	NM	11/16/2010	11/24/2010	11/24/2010	8	0	8
OV	UG/KG	SBF1-50-55'-11/2010	SD7209-2RA2	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	UG/KG	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	UG/KG	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/19/2010	2	0	2
OV	UG/KG	TRIP BLANK FOR SOIL	SD7209-12	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	UG/KG	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/24/2010	11/24/2010	7	0	7
OV	UG/L	RB11171001	SD7209-10	NM	11/17/2010	11/29/2010	11/29/2010	12	0	12
OV	UG/L	TB11171001	SD7209-11	NM	11/17/2010	11/29/2010	11/29/2010	12	0	12
SIM	%	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/23/2010	5	1	6
SIM	%	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
SIM	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
SIM	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
SIM	%	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/23/2010	3	4	7
SIM	%	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
SIM	UG/KG	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	UG/KG	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
SIM	UG/KG	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	UG/KG	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	UG/KG	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	UG/KG	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/23/2010	3	4	7
SIM	UG/KG	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
SIM	UG/KG	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/23/2010	2	4	6
SIM	UG/KG	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/24/2010	2	5	7
SIM	UG/L	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/23/2010	5	1	6
PCB	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/29/2010	3	10	13
PCB	%	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	%	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/29/2010	5	7	12
PCB	UG/KG	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	11/29/2010	3	10	13
PCB	UG/KG	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/KG	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	11/30/2010	2	11	13
PCB	UG/L	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/29/2010	5	7	12
PEST	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PEST	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/29/2010	5	7	12
PEST	%	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	%	SBF1-10-12-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	12/01/2010	3	12	15
PEST	UG/KG	SBF1-50-55-11/2010	SD7209-2	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SBF1-61-63-11/2010	SD7209-4	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	FD11171001	SD7209-7	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SBF1-55-58-11/2010	SD7209-3	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SBA1-46-47-11/2010	SD7209-9	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SBA1-27-33-11/2010	SD7209-5	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SBA1-2-4-11/2010	SD7209-8	NM	11/17/2010	11/19/2010	12/01/2010	2	12	14
PEST	UG/KG	SBF1-10-12-11/2010	SD7209-1	NM	11/16/2010	11/19/2010	12/01/2010	3	12	15
PEST	UG/L	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	11/29/2010	5	7	12
TPH	%	SBF1-50-55-11/2010	SD7209-2	NM	11/17/2010	11/23/2010	12/08/2010	6	15	21
TPH	%	SBF1-55-58-11/2010	SD7209-3	NM	11/17/2010	11/23/2010	12/08/2010	6	15	21
TPH	%	SBF1-10-12-11/2010	SD7209-1	NM	11/16/2010	11/23/2010	12/08/2010	7	15	22
TPH	%	SBA1-46-47-11/2010	SD7209-9	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	%	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	%	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	%	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	12/09/2010	5	17	22
TPH	%	FD11171001	SD7209-7	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	%	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	%	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	MG/KG	SBA1-2-4'-11/2010	SD7209-8	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	MG/KG	SBF1-61-63'-11/2010	SD7209-4	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	MG/KG	SBF1-55-58'-11/2010	SD7209-3	NM	11/17/2010	11/23/2010	12/08/2010	6	15	21
TPH	MG/KG	SBF1-50-55'-11/2010	SD7209-2	NM	11/17/2010	11/23/2010	12/08/2010	6	15	21
TPH	MG/KG	SBF1-10-12'-11/2010	SD7209-1	NM	11/16/2010	11/23/2010	12/08/2010	7	15	22
TPH	MG/KG	SBA1-27-33'-11/2010	SD7209-5	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	MG/KG	SAA1-0-2-11/2010	SD7209-6	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	MG/KG	FD11171001	SD7209-7	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	MG/KG	SBA1-46-47'-11/2010	SD7209-9	NM	11/17/2010	11/23/2010	12/09/2010	6	16	22
TPH	UG/L	RB11171001	SD7209-10	NM	11/17/2010	11/22/2010	12/09/2010	5	17	22

**TETRA TECHNUS, INC.
OLF SAUFLEY FIELD, FL CTO JM30
SDG: CTOJM30-1
SD7209**

**KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074**

**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
OLF SAUFLEY FIELD, FL – CTO JM30 SITE 2
SDG: CTOJM30-1
SD7209
PROJECT MANAGER: FRANK LESESNE**

Sample Receipt

The following samples were received on November 18, 2010 and were logged in under Katahdin Analytical Services work order number SD7209 for a hardcopy due date of December 9, 2010.

<u>KATAHDIN</u>	<u>TTNUS</u>
<u>Sample No.</u>	<u>Sample Identification</u>
SD7209-1	SBF1-10-12'-11/2010
SD7209-2	SBF1-50-55'-11/2010
SD7209-3	SBF1-55-58'-11/2010
SD7209-4	SBF1-61-63'-11/2010
SD7209-5	SBA1-27-33'-11/2010
SD7209-6	SAA1-0-2-11/2010
SD7209-7	FD11171001
SD7209-8	SBA1-2-4'-11/2010
SD7209-9	SBA1-46-47'-11/2010
SD7209-10	RB11171001
SD7209-11	TB11171001
SD7209-12	TRIP BLANK FOR SOIL

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Kelly Perkins**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of SDG CTOJM30-1 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency

Response, U.S. EPA, and/or Method for Determination of Petroleum Range Organics (Method #FL-PRO), Florida Department of Environmental Protection, November 1, 1995 and/or for the specific methods listed below or on the Report of Analysis.

8260B Analysis

Surrogate recoveries for all samples and QC were evaluated using laboratory established acceptance limits.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The initial calibration analyzed on the D instrument on 11/18/10 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Although the %RSD is greater than 15%, acetone was calibrated with the average model since this calibration model is more accurate for this analyte at concentrations near the PQL than either the linear or quadratic calibration models.

The initial calibration analyzed on the D instrument on 11/18/2010 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The analyte 1,4-dioxane failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990, respectively. This compound was calibrated using the average model. Since this analyte was not detected above the MDL for any of the associated samples and all other QC criteria were met, the associated samples were not reanalyzed.

The independent check standard (file C1863A), associated with the initial calibration analyzed on the C instrument on 11/19/10 had high concentrations for the target analytes bromomethane, trichlorofluoromethane, acetone, isopropylbenzene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The independent check standard is the same source as the LCS. The LCS had recoveries for these analytes that were within the LCS acceptance limits. The associated samples did not have any of these target analytes detected above the PQL. Therefore, the samples were not reanalyzed. The independent check standard recovery report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The independent check standard (file D8612A), associated with the initial calibration analyzed on the D instrument on 11/18/10 had high concentrations for the target analytes, acetone, isopropylbenzene, chloromethane and dichlorodifluoromethane, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. The independent check standard is the same source as the LCS. The LCS had recoveries for these analytes that were within the LCS acceptance limits. The associated samples did not have any of these target analytes detected above the PQL. Therefore, the samples were not

reanalyzed. The independent check standard recovery report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The calibration verification (CV) standard analyzed on the D instrument on 11/29/10 (file D8793) had a high response for the target analyte dichlorodifluoromethane and a low response for the target analyte 1,4-dioxane that resulted in %D's which were outside of the DoD QSM acceptance limit of $\pm 20\%$.

The target analyte toluene was detected above $\frac{1}{2}$ the reporting limit, but below the PQL, in the method blank WG85540-2. According to the DoD QSM section D.1.1.1, a method blank is considered to be contaminated if the concentration of any target analyte in the blank exceeds $\frac{1}{2}$ the reporting limit. Since this analyte was not detected in the associated samples, no further action was taken.

8270C SCAN Analysis

Surrogate recoveries for all samples and QC were evaluated using laboratory established acceptance limits.

All soil samples and associated QC were subjected to the GPC sample clean-up process.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are nominal limits for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable. Nominal limits are used for the LCS/LCSD until enough data is collected to generate statistically based acceptance limits.

The initial calibration analyzed on the U instrument on 11/19/10 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzaldehyde and 4-nitro-phenol failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990 respectively. These compounds were calibrated using the average model. The corresponding independent check standard (file U3738) had a low concentration for the target analytes benzaldehyde, N-nitrosodiphenylamine and high concentrations for 4-nitrophenol and atrazine, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. Since the associated aqueous and soil LCS/LCSD's had acceptable spike recoveries for these target analytes, the associated samples were not reanalyzed. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The analyte benzaldehyde is an EPA CLP compound that is very sensitive to the condition of the injection port of the GC/MS instrument. Consequently, the response of this analyte may fluctuate from one analysis to another which may result in high %RSD's for initial calibrations, high %D's for CV's, and low or high recoveries for LCS's.

The calibration verification standard (CV) (file U3772) had a low response for the analyte benzaldehyde, which was outside the DoD QSM acceptance limit of $\pm 20\%$. Since this is a known problematic

compound that fluctuates in response depending on various instrument conditions, the associated samples were not reanalyzed.

8270C SIM Analysis

Surrogate recoveries for all samples and QC were evaluated using laboratory established acceptance limits.

All soil samples and associated QC were subjected to the GPC sample clean-up process.

Samples SD7209-6, 7, 8 and 10 were manually integrated for the target analytes naphthalene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene and/or benzo(g,h,i)perylene. The specific reason for the manual integration is indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The LCSD WG85308-3 had a high recovery for the surrogate 2-methylnaphthalene-d10, which was outside the laboratory established acceptance limits. Since the LCS WG85308-2 had acceptable surrogate recoveries and the LCS/LCSD had acceptable spike recoveries, the associated samples were not reanalyzed.

The LCS WG85396-2 had a high recovery for the surrogate 2-methylnaphthalene-d10, which was outside the laboratory established acceptance limits. Since the LCSD WG85396-3 had acceptable surrogate recoveries and the LCS/LCSD had acceptable spike recoveries, the associated samples were not reanalyzed.

The initial calibration analyzed on the R instrument on 11/23/10 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analyte acenaphthene failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient and the coefficient of determination being less than the method acceptance criteria of 0.995 and 0.990 respectively. This compound was calibrated using the average model. The corresponding independent check standard (file R8234) had low concentrations for the target analytes fluoranthene and benzo(a)anthracene and a high concentration for 2-methylnaphthalene, which exceeded the DoD QSM acceptance limit of $\pm 20\%$ of the expected value from the ICAL. Since the LCS/LCSD's analyzed with this initial calibration had acceptable recoveries for the spiked analytes, the associated samples were not reanalyzed. The Independent Check Report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long the LCS is acceptable.

8082 Analysis

Surrogate recoveries for all samples and QC, as well as spike recoveries for the laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs) were evaluated using laboratory established acceptance limits.

All soil samples and associated QC were subjected to the GPC sample clean-up process.

The closing calibration verification standard (CV) (file 7DK462) had a low response for the surrogate TCX on channel B, which resulted in a %D that was outside of the DoD QSM acceptance limits of 20%. Since the response was acceptable on channel A and the responses for the surrogate DCB were acceptable on both channels, the associated samples were not reanalyzed.

The method blank WG85306-1, the LCS/LCSD WG85306-2 and 3, and samples SD7209-1 through 7 and 9 had low recoveries for the surrogate TCX on one or both channels, which were outside of the laboratory established acceptance limits. Since the recoveries of DCB were within the acceptance limits, the samples were not reextracted.

8081 Analysis

Surrogate recoveries for all samples and QC, as well as spike recoveries for the laboratory control samples (LCSs) and laboratory control sample duplicates (LCSDs) were evaluated using laboratory established acceptance limits.

All soil samples and associated QC were subjected to the GPC sample clean-up process.

Note: The Form VII has a column for %D that is set to 15%. The DoD QSM criterion for a CV is 20%D. All of the compounds in the CV's were evaluated to 20% criteria.

Samples SD7209-1 and 5 were manually integrated for 4,4-DDD and/or 4,4-DDT. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

Sample SD7209-8 had a high recovery for the surrogate DCB on channel A, which was outside the laboratory established acceptance limits. Since the recovery was acceptable on channel B and the recoveries for the surrogate TCX were acceptable on both channels, the sample was not reextracted.

Samples SD7209-5 and 7 had RPD's for 4,4'-DDD, 4,4'-DDE and/or 4,4'-DDT that were outside of the method acceptance limits of 40%. These analytes are flagged with a "J" qualifier on the report of analysis (ROA).

The LCS WG85427-2 had high recoveries for the spiked analytes alpha-BHC, endosulfan I, endosulfan II and endosulfan sulfate, which were outside of the laboratory established acceptance limits. The LCSD WG85427-3 had high recoveries for the spiked analytes endosulfan I and endosulfan II. Since high recoveries would indicate a high bias and no target analytes were detected in the associated sample, the sample was not reextracted.

The LCS/LCSD WG85305-2 and 3 have a relative percent difference (RPD) for the analyte alpha-BHC was greater than 40%. The RPD was high because the concentrations for this analyte were significantly different on the two channels. The difference in concentrations appears to be an interfering peak that coelutes with the analyte on the A channel and results in a high concentration, while the peak is resolved on channel B and results in a lower concentration.

FL-PRO Analysis

The recoveries for all samples and QC were evaluated using the method acceptance limit for the surrogate OTP and the nominal acceptance limit for the surrogate n-triacontane-d₆₂.

The spike recoveries were evaluated using the method acceptance limit.

Samples SD7209-6 and 7 were manually integrated for the target range PRO and the extraction surrogates o-Terphenyl and n-triacontane-D₆₂. The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

Sample SD7209-5 had high recoveries for the extraction surrogates o-Terphenyl and n-Triacontane-D₆₂, that were outside the acceptance limits. Since a high recovery would indicate a high bias and there was no Petroleum Range Organic detected above the LOQ, the sample was not reextracted.

Sample SD7209-10 had a low recovery for the extraction surrogate o-Terphenyl that was outside the method acceptance limit. Since the other extraction surrogate n-Triacontane-D₆₂ had an acceptable recovery, the sample was not reextracted.

The opening/closing calibration verification standard (CV) (file CDL2089) had low responses for all of the individual hydrocarbons, the PRO range C₈-C₄₀, and the extraction surrogates o-Terphenyl and n-Triacontane-D₆₂ that resulted in %D's that were greater than 25%. This CV was added to the instrument to be analyzed overnight and a solvent was added to the vial to prevent any concentration of the standard. However, a different solvent was added to the vial than the solvent that the standard is prepared with. Consequently, this caused the concentration of the standard compounds to be low. Since the opening and closing CV's were acceptable and all of the analyses of samples and QC had acceptable recoveries, except for those previously mentioned, the samples were not reanalyzed.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Metals Analysis

The samples of SDG CTOJM30-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Solid-matrix Katahdin Sample Numbers SD7209-(1-9) were digested for ICP analysis on 12/03/10 (QC Batch AL03ICS0) in accordance with USEPA Method 3050B. Katahdin Sample Number SD7209-9 was prepared with duplicate matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample Number SD7209-10 was digested for ICP analysis on 12/06/10 (QC Batch AL06ICW0) in accordance with USEPA Method 3010A. Duplicate laboratory control samples were prepared in this batch.

ICP analyses of SDG CTOJM30-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Numbers SD7209-(1-9) were originally digested for mercury analysis on 12/06/10 (QC Batch AL06HGS0) in accordance with USEPA Method 7471. Due to contamination in the preparation blank above the project acceptance limit, these samples were redigested on 12/09/10 (QC Batch AL09HGS0). All mercury results for these samples were taken from the redigested aliquots. Redigestates are identified on sample preparation and analysis run logs and throughout the raw data by the suffix "R" appended to the Katahdin Sample Number, e.g. "SD7209-002R".

Aqueous-matrix Katahdin Sample Number SD7209-10 was digested for mercury analysis on 12/06/10 (QC Batch AL06HGW0) in accordance with USEPA Method 7470.

Mercury analyses of SDG CTOJM30-1 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recoveries of antimony and potassium in the matrix-spiked aliquots of Katahdin Sample Number SD7209-9 are outside the project acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added). The measured recoveries of these analytes in a post-digestion spike of this sample are within acceptance criteria (75% - 125% recovery of the added element)

The matrix-spiked duplicate analysis of Katahdin Sample Number SD7209-9 is within the laboratory's acceptance limit (<20% relative difference between matrix-spiked duplicate aliquots) for all analytes.

The serial dilution analysis of Katahdin Sample Number SD7209-9 is within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the LOQ) for all analytes.

Reporting of Metals Results

Analytical results for client samples, matrix QC samples (duplicates and matrix spikes), and batch QC samples (preparation blanks and laboratory control samples) have been reported down to the laboratory's method detection limits (MDLs). Results that fall between the MDL and the PQL are flagged with "I" in

the C-qualifier column, and the measured concentration appears in the concentration column. Results that are less than the MDL are flagged with "U" in the C-qualifier column, and the MDL is listed in the concentration column. These PQLs and MDLs have been adjusted for each sample based on the sample amounts used in preparation and analysis.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, MDLs, and PQLs are listed on Form 10 of the accompanying data package.

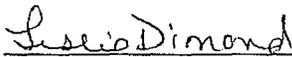
Wet Chemistry Analysis

The samples of SDG CTOJM30-1 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to "Standard Methods for the Examination of Water and Wastewater", 15th, 16th, 17th, 18th, 19th, and 20th editions, 1980, 1985, 1989, 1992, 1995, 1999. APHA-AWWA-WPCF.

All analyses were performed within analytical holding times, and all quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.


12.10.10

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

Client: <u>Tetra Tech</u>	KAS PM: <u>KAP</u>	Sampled By: <u>Chert</u>
Project:	KIMS Entry By: <u>GN</u>	Delivered By: <u>Fed-Ex</u>
KAS Work Order#: <u>SD7209</u>	KIMS Review By:	Received By: <u>GN</u>
SDG #:	Cooler: <u>1</u> of <u>3</u>	Date/Time Rec.: <u>11-18-10/10:00</u>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR.gun.	✓				Temp (°C): <u>-0.1</u>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?	✓				
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?	✓				
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12	✓				

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000011

Client: <i>Tetra Tech</i>	KAS PM: <i>KAP</i>	Sampled By: <i>Client</i>
Project:	KIMS Entry By: <i>GN</i>	Delivered By: <i>Fed-Ex</i>
KAS Work Order#: <i>SD7209</i>	KIMS Review By:	Received By: <i>GN</i>
SDG #:	Cooler: <u>2</u> of <u>3</u>	Date/Time Rec.: <i>11-18-10/10:00</i>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	<input checked="" type="checkbox"/>				
2. Chain of Custody present in cooler?				<input checked="" type="checkbox"/>	<i>in cooler 1</i>
3. Chain of Custody signed by client?				<input checked="" type="checkbox"/>	
4. Chain of Custody matches samples?				<input checked="" type="checkbox"/>	
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	<input checked="" type="checkbox"/>				Temp (°C): <i>3.4</i>
Samples received at <6 °C w/o freezing?	<input checked="" type="checkbox"/>				Note: Not required for metals analysis.
Ice packs or ice present?	<input checked="" type="checkbox"/>				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				<input checked="" type="checkbox"/>	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?				<input checked="" type="checkbox"/>	
Received in methanol?				<input checked="" type="checkbox"/>	
Methanol covering soil?				<input checked="" type="checkbox"/>	
7. Trip Blank present in cooler?				<input checked="" type="checkbox"/>	
8. Proper sample containers and volume?	<input checked="" type="checkbox"/>				
9. Samples within hold time upon receipt?	<input checked="" type="checkbox"/>				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12				<input checked="" type="checkbox"/>	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000012

Client: <i>Tetra Tech</i>	KAS PM: <i>KAP</i>	Sampled By: <i>Client</i>
Project:	KIMS Entry By: <i>GN</i>	Delivered By: <i>Fed-Ex</i>
KAS Work Order#: <i>SD7209</i>	KIMS Review By:	Received By: <i>GN</i>
SDG #:	Cooler: <u>3</u> of <u>3</u>	Date/Time Rec.: <i>11-18-10/10:00</i>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?				✓	<i>in cooler 3</i>
3. Chain of Custody signed by client?				✓	
4. Chain of Custody matches samples?					
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): <i>-0.1</i>
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container?	✓			✓	
Received in methanol?	✓				
Methanol covering soil?	✓				
7. Trip Blank present in cooler?	✓				
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12				✓ ✓ ✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

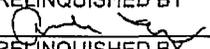
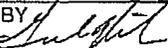
0000013



PROJECT NO: 112 G 02760	SITE NAME: Sausley Field Site 2	PROJECT MANAGER AND PHONE NUMBER: Frank Lesesne 850-385-9866	LABORATORY NAME AND CONTACT: Katahdin Kelly Perkins
SAMPLERS (SIGNATURE):  #17110 B72		FIELD OPERATIONS LEADER AND PHONE NUMBER: Amber Igoe 850-322-8033	ADDRESS: 600 Technology Way
		CARRIER/WAYBILL NUMBER:	CITY, STATE: Scarborough, ME 04073

STANDARD TAT <input checked="" type="checkbox"/>	CONTAINER TYPE PLASTIC (P) or GLASS (G)
RUSH TAT <input type="checkbox"/>	PRESERVATIVE USED
<input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day	ICE G G G

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS										COMMENTS		
						VOA	Metals, SVOA, LLSVOA	Pesticides, PCBs	VOA	SVOA	PCB/PCS	FLO-PRO	metals					
11/16	1550	SF-2-SBF1-10-12'-11/2010	Soil	G	7	S	1	1										VOAs frozen cooked to 27C
11/17	0900	SF-2-SBF1-50-55'-11/2010	Soil	G	7	S	1	1										''''
11/17	0911	SF-2-SBF1-55-58'-11/2010	Soil	G	7	S	1	1										
11/17	0936	SF-2-SBF1-61-63'-11/2010	Soil	G	7	S	1	1										
11/17	1040	SF-2-SBA1-27-33'-11/2010	Soil	G	7	S	1	1										
11/17	1100	SF-2-SBA1-0-2'-11/2010	Soil	G	7	S	1	1										
11/17	0000	FJ1171001 FJ1171001	QC	G	7	S	1	1										
11/17	1130	SF-2-SBA1-2-4'-11/2010	Soil	G	7	S	1	1										
11/17	1143	SF-2-SBA1-46-47'-11/2010	Soil	G	7	S	1	1										
11/17	1207	RB1171001 RB1171001	H ₂ O ^{QC}	G	10						3	2	2	2	1			
11/17	1207	TB1171001	H ₂ O ^{QC}	G	3						3							
11/17		Trip Blank for Soil	Soil QC	G	3													

1. RELINQUISHED BY 	DATE 11/17/10	TIME 1320	1. RECEIVED BY 	DATE 11/17/10	TIME 1320
2. RELINQUISHED BY 	DATE 11/17/10	TIME 1415	2. RECEIVED BY 	DATE 11-18-10	TIME 1000
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

KATAHDIN ANALYTICAL SERVICES - FLORIDA DATA QUALIFIERS

- U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.
- Note: All results reported as "U" MDL have a greater rate for false negatives, i.e. greater than 1%, than those results reported as "U" PQL/LOQ or "U" LOD.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- L Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range of highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
- J Estimated value. A justification will be included in the narrative for any result that has been flagged with a "J".
- V Indicates the analyte was detected in the sample and the associated method blank.
- N Presumptive evidence of a compound based on a mass spectral library search.
- Q Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis
- Y The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG85339-LCS	WG85339-1	104	114	104	93	0
02	WG85339-BLANK	WG85339-2	110	123	110	99	0
03	SBF1-55-58'-11/2010	SD7209-3	107	118	109	96	0
04	SBF1-61-63'-11/2010	SD7209-4	96	102	101	86	0
05	SBA1-27-33'-11/2010	SD7209-5	94	106	97	84	0
06	SAA1-0-2-11/2010	SD7209-6	89	102	81	53	0
07	WG85540-LCS	WG85540-1	100	106	100	91	0
08	WG85540-BLANK	WG85540-2	112	121	106	93	0
09	TRIP BLANK FOR SOIL	SD7209-12	112	117	109	96	0
10	SBF1-10-12'-11/2010	SD7209-1RA	106	110	99	86	0
11	FD11171001	SD7209-7	116	128	107	78	0
12	SBA1-2-4'-11/2010	SD7209-8	113	120	110	95	0
13	SBA1-46-47'-11/2010	SD7209-9	103	113	102	87	0
14	SBF1-50-55'-11/2010	SD7209-2RA2	82	86	84	72	0
15							
16							
17							
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20							
21							
22							
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24							
25							
26							
27							
28							

QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (64-130)
 SMC2 (DCA) = 1,2-Dichloroethane-D4 (58-134)
 SMC3 (TOL) = Toluene-D8 (67-118)
 SMC4 (BFB) = P-Bromofluorobenzene (47-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
	=====	=====	=====	=====	=====	=====	=====
01	WG85615-LCS	WG85615-1	99	92	100	98	0
02	WG85615-BLANK	WG85615-2	111	106	105	97	0
03	RB11171001	SD7209-10	118	111	112	101	0
04	TB11171001	SD7209-11	124	117	116	104	0
05							
06							
07							
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27							
28							

QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (68-128)
 SMC2 (DCA) = 1,2-Dichloroethane-D4 (67-135)
 SMC3 (TOL) = Toluene-D8 (65-128)
 SMC4 (BFB) = P-Bromofluorobenzene (56-133)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85339-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: C1865 Lab Sample ID: WG85339-2

Date Analyzed: 11/19/10 Time Analyzed: 1629

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: GCMS-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG85339-LCS	WG85339-1	C1863	11/19/10	1514
02	SBF1-55-58'-11/2010	SD7209-3	C1869	11/19/10	1832
03	SBF1-61-63'-11/2010	SD7209-4	C1870	11/19/10	1904
04	SBA1-27-33'-11/2010	SD7209-5	C1871	11/19/10	1936
05	SAA1-0-2-11/2010	SD7209-6	C1872	11/19/10	2008
06					
07					
08					
09					
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30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85339-2
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method: SW846 8260B
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.92	ug/Kgdrywt	1	10	10.	0.92	5.0
Chloromethane	U	1.4	ug/Kgdrywt	1	10	10.	1.4	5.0
Vinyl Chloride	U	0.87	ug/Kgdrywt	1	10	10.	0.87	5.0
Bromomethane	U	1.1	ug/Kgdrywt	1	10	10.	1.1	5.0
Chloroethane	U	1.3	ug/Kgdrywt	1	10	10.	1.3	5.0
Trichlorofluoromethane	U	0.91	ug/Kgdrywt	1	10	10.	0.91	5.0
1,1-Dichloroethene	U	0.93	ug/Kgdrywt	1	5	5.0	0.93	2.5
Carbon Disulfide	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
Methylene Chloride	U	7.9	ug/Kgdrywt	1	25	25.	7.9	12.
Acetone	U	5.1	ug/Kgdrywt	1	25	25.	5.1	12.
trans-1,2-Dichloroethene	U	0.71	ug/Kgdrywt	1	5	5.0	0.71	2.5
Methyl tert-butyl Ether	U	1.1	ug/Kgdrywt	1	5	5.0	1.1	2.5
1,1-Dichloroethane	U	1.7	ug/Kgdrywt	1	5	5.0	1.7	2.5
cis-1,2-Dichloroethene	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Bromochloromethane	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Chloroform	U	0.35	ug/Kgdrywt	1	5	5.0	0.35	2.5
Carbon Tetrachloride	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
1,1,1-Trichloroethane	U	0.42	ug/Kgdrywt	1	5	5.0	0.42	2.5
2-Butanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Benzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,2-Dichloroethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
Trichloroethene	U	0.59	ug/Kgdrywt	1	5	5.0	0.59	2.5
1,2-Dichloropropane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Bromodichloromethane	U	0.60	ug/Kgdrywt	1	5	5.0	0.60	2.5
cis-1,3-Dichloropropene	U	0.72	ug/Kgdrywt	1	5	5.0	0.72	2.5
Toluene	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
4-Methyl-2-Pentanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Tetrachloroethene	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
trans-1,3-Dichloropropene	U	0.86	ug/Kgdrywt	1	5	5.0	0.86	2.5
1,1,2-Trichloroethane	U	0.97	ug/Kgdrywt	1	5	5.0	0.97	2.5
Dibromochloromethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
1,2-Dibromoethane	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
2-Hexanone	U	4.8	ug/Kgdrywt	1	25	25.	4.8	12.
Chlorobenzene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5

Report of Analytical Results

Client:
Lab ID: WG85339-2
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date:
Extracted By: TTC
Extraction Method: SW846 8260B
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.65	ug/Kgdrywt	1	5	5.0	0.65	2.5
m+p-Xylenes	U	1.7	ug/Kgdrywt	1	10	10.	1.7	5.0
o-Xylene	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
Styrene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5
Bromoform	U	0.70	ug/Kgdrywt	1	5	5.0	0.70	2.5
Isopropylbenzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,1,2,2-Tetrachloroethane	U	0.84	ug/Kgdrywt	1	5	5.0	0.84	2.5
1,3-Dichlorobenzene	U	0.62	ug/Kgdrywt	1	5	5.0	0.62	2.5
1,4-Dichlorobenzene	U	0.44	ug/Kgdrywt	1	5	5.0	0.44	2.5
1,2-Dichlorobenzene	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
1,2-Dibromo-3-Chloropropane	U	1.5	ug/Kgdrywt	1	5	5.0	1.5	2.5
1,2,4-Trichlorobenzene	U	0.79	ug/Kgdrywt	1	5	5.0	0.79	2.5
1,2,3-Trichlorobenzene	U	0.76	ug/Kgdrywt	1	5	5.0	0.76	2.5
Freon-113	U	0.90	ug/Kgdrywt	1	5	5.0	0.90	2.5
1,4-Dioxane	U	33.	ug/Kgdrywt	1	500	500	33.	250
Cyclohexane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Methyl acetate	U	2.7	ug/Kgdrywt	1	5	5.0	2.7	3.0
Methylcyclohexane	U	0.96	ug/Kgdrywt	1	5	5.0	0.96	2.5
p-Bromofluorobenzene		99.2	%					
Toluene-D8		110.	%					
1,2-Dichloroethane-D4		123.	%					
Dibromofluoromethane		110.	%					

LCS Recovery Report

Client:
Lab ID: WG85339-1
Client ID: LCS
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: NONE
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	98.0	50.0	49.0	ug/Kgdrywt	45-167
Chloromethane	115.	50.0	57.3	ug/Kgdrywt	69-127
Vinyl Chloride	121.	50.0	60.4	ug/Kgdrywt	73-134
Bromomethane	134.	50.0	66.8	ug/Kgdrywt	64-136
Chloroethane	82.2	50.0	41.1	ug/Kgdrywt	71-127
Trichlorofluoromethane	122.	50.0	61.0	ug/Kgdrywt	73-145
1,1-Dichloroethene	117.	50.0	58.5	ug/Kgdrywt	71-137
Carbon Disulfide	100.	50.0	50.1	ug/Kgdrywt	69-138
Methylene Chloride	105.	50.0	52.5	ug/Kgdrywt	56-152
Acetone	135.	50.0	67.5	ug/Kgdrywt	76-213
trans-1,2-Dichloroethene	107.	50.0	53.3	ug/Kgdrywt	67-133
Methyl tert-butyl Ether	112.	100.	112.	ug/Kgdrywt	81-125
1,1-Dichloroethane	108.	50.0	53.9	ug/Kgdrywt	75-126
cis-1,2-Dichloroethene	115.	50.0	57.6	ug/Kgdrywt	82-123
Bromochloromethane	109.	50.0	54.5	ug/Kgdrywt	84-115
Chloroform	114.	50.0	56.8	ug/Kgdrywt	83-118
Carbon Tetrachloride	108.	50.0	53.9	ug/Kgdrywt	78-124
1,1,1-Trichloroethane	109.	50.0	54.6	ug/Kgdrywt	80-120
2-Butanone	117.	50.0	58.3	ug/Kgdrywt	78-148
Benzene	104.	50.0	51.8	ug/Kgdrywt	82-113
1,2-Dichloroethane	107.	50.0	53.3	ug/Kgdrywt	83-121
Trichloroethene	106.	50.0	53.2	ug/Kgdrywt	83-113
1,2-Dichloropropane	104.	50.0	52.2	ug/Kgdrywt	84-115
Bromodichloromethane	106.	50.0	52.9	ug/Kgdrywt	82-118
cis-1,3-Dichloropropene	108.	50.0	53.9	ug/Kgdrywt	80-115
Toluene	103.	50.0	51.4	ug/Kgdrywt	80-113
4-Methyl-2-Pentanone	110.	50.0	54.9	ug/Kgdrywt	75-137
Tetrachloroethene	104.	50.0	51.9	ug/Kgdrywt	73-122
trans-1,3-Dichloropropene	120.	50.0	59.8	ug/Kgdrywt	87-136
1,1,2-Trichloroethane	109.	50.0	54.4	ug/Kgdrywt	78-117
Dibromochloromethane	110.	50.0	55.0	ug/Kgdrywt	80-120
1,2-Dibromoethane	105.	50.0	52.5	ug/Kgdrywt	81-119
2-Hexanone	111.	50.0	55.6	ug/Kgdrywt	72-149
Chlorobenzene	107.	50.0	53.3	ug/Kgdrywt	85-111
Ethylbenzene	104.	50.0	52.1	ug/Kgdrywt	81-112

LCS Recovery Report

Client:
Lab ID: WG85339-1
Client ID: LCS
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: NONE
Extracted By: TTC
Extraction Method:
Lab Prep Batch: WG85339

Analysis Date: 19-NOV-10
Analyst: TTC
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
m+p-Xylenes	105.	100.	105.	ug/Kgdrywt	80-115
o-Xylene	105.	50.0	52.3	ug/Kgdrywt	82-115
Styrene	106.	50.0	53.0	ug/Kgdrywt	84-112
Bromoform	111.	50.0	55.3	ug/Kgdrywt	76-126
Isopropylbenzene	123.	50.0	61.6	ug/Kgdrywt	89-136
1,1,2,2-Tetrachloroethane	112.	50.0	56.2	ug/Kgdrywt	78-122
1,3-Dichlorobenzene	107.	50.0	53.7	ug/Kgdrywt	79-119
1,4-Dichlorobenzene	107.	50.0	53.7	ug/Kgdrywt	80-117
1,2-Dichlorobenzene	107.	50.0	53.3	ug/Kgdrywt	76-118
1,2-Dibromo-3-Chloropropane	109.	50.0	54.7	ug/Kgdrywt	66-132
1,2,4-Trichlorobenzene	105.	50.0	52.7	ug/Kgdrywt	61-135
1,2,3-Trichlorobenzene	103.	50.0	51.7	ug/Kgdrywt	55-134
Freon-113	111.	50.0	55.7	ug/Kgdrywt	67-135
1,4-Dioxane	103.	1000	1030	ug/Kgdrywt	39-137
Cyclohexane	114.	50.0	57.0	ug/Kgdrywt	75-128
Methyl acetate	112.	50.0	56.0	ug/Kgdrywt	72-133
Methylcyclohexane	111.	50.0	55.5	ug/Kgdrywt	71-127
p-Bromofluorobenzene	93.4				47-119
Toluene-D8	104.				67-118
1,2-Dichloroethane-D4	114.				58-134
Dibromofluoromethane	104.				64-130

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85540-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: C1883 Lab Sample ID: WG85540-2

Date Analyzed: 11/24/10 Time Analyzed: 1118

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: GCMS-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG85540-LCS	WG85540-1	C1881	11/24/10	1000
02	TRIP BLANK FOR SOIL	SD7209-12	C1884	11/24/10	1212
03	SBF1-10-12'-11/2010	SD7209-1RA	C1885	11/24/10	1243
04	FD11171001	SD7209-7	C1887	11/24/10	1344
05	SBA1-2-4'-11/2010	SD7209-8	C1888	11/24/10	1415
06	SBA1-46-47'-11/2010	SD7209-9	C1889	11/24/10	1445
07	SBF1-50-55'-11/2010	SD7209-2RA2	C1891	11/24/10	1549
08					
09					
10					
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12					
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COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85540-2
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 24-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.92	ug/Kgdrywt	1	10	10.	0.92	5.0
Chloromethane	U	1.4	ug/Kgdrywt	1	10	10.	1.4	5.0
Vinyl Chloride	U	0.87	ug/Kgdrywt	1	10	10.	0.87	5.0
Bromomethane	U	1.1	ug/Kgdrywt	1	10	10.	1.1	5.0
Chloroethane	U	1.3	ug/Kgdrywt	1	10	10.	1.3	5.0
Trichlorofluoromethane	U	0.91	ug/Kgdrywt	1	10	10.	0.91	5.0
1,1-Dichloroethene	U	0.93	ug/Kgdrywt	1	5	5.0	0.93	2.5
Carbon Disulfide	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
Methylene Chloride	U	7.9	ug/Kgdrywt	1	25	25.	7.9	12.
Acetone	U	5.1	ug/Kgdrywt	1	25	25.	5.1	12.
trans-1,2-Dichloroethene	U	0.71	ug/Kgdrywt	1	5	5.0	0.71	2.5
Methyl tert-butyl Ether	U	1.1	ug/Kgdrywt	1	5	5.0	1.1	2.5
1,1-Dichloroethane	U	1.7	ug/Kgdrywt	1	5	5.0	1.7	2.5
cis-1,2-Dichloroethene	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Bromochloromethane	U	0.91	ug/Kgdrywt	1	5	5.0	0.91	2.5
Chloroform	U	0.35	ug/Kgdrywt	1	5	5.0	0.35	2.5
Carbon Tetrachloride	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
1,1,1-Trichloroethane	U	0.42	ug/Kgdrywt	1	5	5.0	0.42	2.5
2-Butanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Benzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,2-Dichloroethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
Trichloroethene	U	0.59	ug/Kgdrywt	1	5	5.0	0.59	2.5
1,2-Dichloropropane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Bromodichloromethane	U	0.60	ug/Kgdrywt	1	5	5.0	0.60	2.5
cis-1,3-Dichloropropene	U	0.72	ug/Kgdrywt	1	5	5.0	0.72	2.5
Toluene	I	4.2	ug/Kgdrywt	1	5	5.0	1.4	2.5
4-Methyl-2-Pentanone	U	5.9	ug/Kgdrywt	1	25	25.	5.9	12.
Tetrachloroethene	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
trans-1,3-Dichloropropene	U	0.86	ug/Kgdrywt	1	5	5.0	0.86	2.5
1,1,2-Trichloroethane	U	0.97	ug/Kgdrywt	1	5	5.0	0.97	2.5
Dibromochloromethane	U	1.0	ug/Kgdrywt	1	5	5.0	1.0	2.5
1,2-Dibromoethane	U	1.2	ug/Kgdrywt	1	5	5.0	1.2	2.5
2-Hexanone	U	4.8	ug/Kgdrywt	1	25	25.	4.8	12.
Chlorobenzene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5

Report of Analytical Results

Client:
Lab ID: WG85540-2
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 24-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.65	ug/Kgdrywt	1	5	5.0	0.65	2.5
m+p-Xylenes	U	1.7	ug/Kgdrywt	1	10	10.	1.7	5.0
o-Xylene	U	1.3	ug/Kgdrywt	1	5	5.0	1.3	2.5
Styrene	U	0.51	ug/Kgdrywt	1	5	5.0	0.51	2.5
Bromoform	U	0.70	ug/Kgdrywt	1	5	5.0	0.70	2.5
Isopropylbenzene	U	0.92	ug/Kgdrywt	1	5	5.0	0.92	2.5
1,1,2,2-Tetrachloroethane	U	0.84	ug/Kgdrywt	1	5	5.0	0.84	2.5
1,3-Dichlorobenzene	U	0.62	ug/Kgdrywt	1	5	5.0	0.62	2.5
1,4-Dichlorobenzene	U	0.44	ug/Kgdrywt	1	5	5.0	0.44	2.5
1,2-Dichlorobenzene	U	0.78	ug/Kgdrywt	1	5	5.0	0.78	2.5
1,2-Dibromo-3-Chloropropane	U	1.5	ug/Kgdrywt	1	5	5.0	1.5	2.5
1,2,4-Trichlorobenzene	U	0.79	ug/Kgdrywt	1	5	5.0	0.79	2.5
1,2,3-Trichlorobenzene	U	0.76	ug/Kgdrywt	1	5	5.0	0.76	2.5
Freon-113	U	0.90	ug/Kgdrywt	1	5	5.0	0.90	2.5
1,4-Dioxane	U	33.	ug/Kgdrywt	1	500	500	33.	250
Cyclohexane	U	1.4	ug/Kgdrywt	1	5	5.0	1.4	2.5
Methyl acetate	U	2.7	ug/Kgdrywt	1	5	5.0	2.7	3.0
Methylcyclohexane	U	0.96	ug/Kgdrywt	1	5	5.0	0.96	2.5
p-Bromofluorobenzene		92.9	%					
Toluene-D8		106.	%					
1,2-Dichloroethane-D4		121.	%					
Dibromofluoromethane		112.	%					

LCS Recovery Report

Client:
Lab ID: WG85540-1
Client ID: LCS
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 24-NOV-10
Extract Date: NONE
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	132.	50.0	66.2	ug/Kgdrywt	45-167
Chloromethane	112.	50.0	55.9	ug/Kgdrywt	69-127
Vinyl Chloride	119.	50.0	59.3	ug/Kgdrywt	73-134
Bromomethane	J 139.	50.0	69.5	ug/Kgdrywt	64-136
Chloroethane	124.	50.0	62.0	ug/Kgdrywt	71-127
Trichlorofluoromethane	138.	50.0	69.2	ug/Kgdrywt	73-145
1,1-Dichloroethene	119.	50.0	59.4	ug/Kgdrywt	71-137
Carbon Disulfide	102.	50.0	50.9	ug/Kgdrywt	69-138
Methylene Chloride	109.	50.0	54.7	ug/Kgdrywt	56-152
Acetone	149.	50.0	74.4	ug/Kgdrywt	76-213
trans-1,2-Dichloroethene	111.	50.0	55.7	ug/Kgdrywt	67-133
Methyl tert-butyl Ether	104.	100.	104.	ug/Kgdrywt	81-125
1,1-Dichloroethane	109.	50.0	54.5	ug/Kgdrywt	75-126
cis-1,2-Dichloroethene	118.	50.0	59.1	ug/Kgdrywt	82-123
Bromochloromethane	109.	50.0	54.7	ug/Kgdrywt	84-115
Chloroform	113.	50.0	56.7	ug/Kgdrywt	83-118
Carbon Tetrachloride	112.	50.0	56.0	ug/Kgdrywt	78-124
1,1,1-Trichloroethane	110.	50.0	55.2	ug/Kgdrywt	80-120
2-Butanone	118.	50.0	58.9	ug/Kgdrywt	78-148
Benzene	107.	50.0	53.6	ug/Kgdrywt	82-113
1,2-Dichloroethane	107.	50.0	53.4	ug/Kgdrywt	83-121
Trichloroethene	110.	50.0	55.1	ug/Kgdrywt	83-113
1,2-Dichloropropane	103.	50.0	51.6	ug/Kgdrywt	84-115
Bromodichloromethane	108.	50.0	54.2	ug/Kgdrywt	82-118
cis-1,3-Dichloropropene	106.	50.0	53.0	ug/Kgdrywt	80-115
Toluene	J 115.	50.0	57.5	ug/Kgdrywt	80-113
4-Methyl-2-Pentanone	99.2	50.0	49.6	ug/Kgdrywt	75-137
Tetrachloroethene	113.	50.0	56.6	ug/Kgdrywt	73-122
trans-1,3-Dichloropropene	117.	50.0	58.6	ug/Kgdrywt	87-136
1,1,2-Trichloroethane	108.	50.0	53.8	ug/Kgdrywt	78-117
Dibromochloromethane	111.	50.0	55.6	ug/Kgdrywt	80-120
1,2-Dibromoethane	106.	50.0	53.0	ug/Kgdrywt	81-119
2-Hexanone	108.	50.0	54.0	ug/Kgdrywt	72-149
Chlorobenzene	107.	50.0	53.6	ug/Kgdrywt	85-111
Ethylbenzene	105.	50.0	52.6	ug/Kgdrywt	81-112

LCS Recovery Report

Client:
Lab ID: WG85540-1
Client ID: LCS
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 24-NOV-10
Extract Date: NONE
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: NA
Report Date: 08-DEC-10

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
m+p-Xylenes	106.	100.	106.	ug/Kgdrywt	80-115
o-Xylene	104.	50.0	52.2	ug/Kgdrywt	82-115
Styrene	107.	50.0	53.3	ug/Kgdrywt	84-112
Bromoform	111.	50.0	55.4	ug/Kgdrywt	76-126
Isopropylbenzene	123.	50.0	61.4	ug/Kgdrywt	89-136
1,1,2,2-Tetrachloroethane	105.	50.0	52.6	ug/Kgdrywt	78-122
1,3-Dichlorobenzene	107.	50.0	53.7	ug/Kgdrywt	79-119
1,4-Dichlorobenzene	108.	50.0	53.8	ug/Kgdrywt	80-117
1,2-Dichlorobenzene	105.	50.0	52.6	ug/Kgdrywt	76-118
1,2-Dibromo-3-Chloropropane	104.	50.0	51.9	ug/Kgdrywt	66-132
1,2,4-Trichlorobenzene	104.	50.0	52.0	ug/Kgdrywt	61-135
1,2,3-Trichlorobenzene	98.0	50.0	49.0	ug/Kgdrywt	55-134
Freon-113	102.	50.0	51.1	ug/Kgdrywt	67-135
1,4-Dioxane	106.	1000	1060	ug/Kgdrywt	39-137
Cyclohexane	111.	50.0	55.3	ug/Kgdrywt	75-128
Methyl acetate	92.2	50.0	46.1	ug/Kgdrywt	72-133
Methylcyclohexane	98.0	50.0	49.0	ug/Kgdrywt	71-127
p-Bromofluorobenzene	90.6				47-119
Toluene-D8	100.				67-118
1,2-Dichloroethane-D4	106.				58-134
Dibromofluoromethane	99.6				64-130

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85615-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: D8796 Lab Sample ID: WG85615-2

Date Analyzed: 11/29/10 Time Analyzed: 1218

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-D

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG85615-LCS	WG85615-1	D8794	11/29/10	1102
02	RB11171001	SD7209-10	D8799	11/29/10	1354
03	TB11171001	SD7209-11	D8800	11/29/10	1425
04					
05					
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07					
08					
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COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85615-2
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 29-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
Chloromethane	U	0.36	ug/L	1	2	2.0	0.36	1.0
Vinyl Chloride	U	0.25	ug/L	1	2	2.0	0.25	1.0
Bromomethane	U	0.49	ug/L	1	2	2.0	0.49	1.0
Chloroethane	U	0.55	ug/L	1	2	2.0	0.55	1.0
Trichlorofluoromethane	U	0.24	ug/L	1	2	2.0	0.24	1.0
1,1-Dichloroethene	U	0.35	ug/L	1	1	1.0	0.35	0.50
Carbon Disulfide	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methylene Chloride	U	1.1	ug/L	1	5	5.0	1.1	2.5
Acetone	U	2.2	ug/L	1	5	5.0	2.2	2.5
trans-1,2-Dichloroethene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Methyl tert-butyl Ether	U	0.36	ug/L	1	1	1.0	0.36	0.50
1,1-Dichloroethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
cis-1,2-Dichloroethene	U	0.21	ug/L	1	1	1.0	0.21	0.50
Bromochloromethane	U	0.21	ug/L	1	1	1.0	0.21	0.50
Chloroform	U	0.32	ug/L	1	1	1.0	0.32	0.50
Carbon Tetrachloride	U	0.22	ug/L	1	1	1.0	0.22	0.50
1,1,1-Trichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
2-Butanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Benzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,2-Dichloroethane	U	0.20	ug/L	1	1	1.0	0.20	0.50
Trichloroethene	U	0.28	ug/L	1	1	1.0	0.28	0.50
1,2-Dichloropropane	U	0.25	ug/L	1	1	1.0	0.25	0.50
Bromodichloromethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
cis-1,3-Dichloropropene	U	0.19	ug/L	1	1	1.0	0.19	0.50
Toluene	U	0.27	ug/L	1	1	1.0	0.27	0.50
4-Methyl-2-Pentanone	U	1.3	ug/L	1	5	5.0	1.3	2.5
Tetrachloroethene	U	0.40	ug/L	1	1	1.0	0.40	0.50
trans-1,3-Dichloropropene	U	0.20	ug/L	1	1	1.0	0.20	0.50
1,1,2-Trichloroethane	U	0.33	ug/L	1	1	1.0	0.33	0.50
Dibromochloromethane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,2-Dibromoethane	U	0.22	ug/L	1	1	1.0	0.22	0.50
2-Hexanone	U	1.7	ug/L	1	5	5.0	1.7	2.5
Chlorobenzene	U	0.22	ug/L	1	1	1.0	0.22	0.50

Report of Analytical Results

Client:
Lab ID: WG85615-2
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 29-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method: SW846 8260B
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Ethylbenzene	U	0.21	ug/L	1	1	1.0	0.21	0.50
m+p-Xylenes	U	0.59	ug/L	1	2	2.0	0.59	1.0
o-Xylene	U	0.25	ug/L	1	1	1.0	0.25	0.50
Styrene	U	0.23	ug/L	1	1	1.0	0.23	0.50
Bromoform	U	0.23	ug/L	1	1	1.0	0.23	0.50
Isopropylbenzene	U	0.23	ug/L	1	1	1.0	0.23	0.50
1,1,2,2-Tetrachloroethane	U	0.38	ug/L	1	1	1.0	0.38	0.50
1,3-Dichlorobenzene	U	0.26	ug/L	1	1	1.0	0.26	0.50
1,4-Dichlorobenzene	U	0.24	ug/L	1	1	1.0	0.24	0.50
1,2-Dichlorobenzene	U	0.15	ug/L	1	1	1.0	0.15	0.50
1,2-Dibromo-3-Chloropropane	U	0.50	ug/L	1	1	1.0	0.50	0.75
1,2,4-Trichlorobenzene	U	0.37	ug/L	1	1	1.0	0.37	0.50
1,2,3-Trichlorobenzene	U	0.20	ug/L	1	1	1.0	0.20	0.50
Freon-113	U	0.31	ug/L	1	1	1.0	0.31	0.50
Cyclohexane	U	0.31	ug/L	1	1	1.0	0.31	0.50
Methyl acetate	U	0.53	ug/L	1	1	1.0	0.53	0.75
Methylcyclohexane	U	0.30	ug/L	1	1	1.0	0.30	0.50
1,4-Dioxane	U	8.8	ug/L	1	100	100	8.8	50.
P-Bromofluorobenzene		97.0	%					
Toluene-d8		105.	%					
1,2-Dichloroethane-d4		106.	%					
Dibromofluoromethane		111.	%					

LCS Recovery Report

Client:
Lab ID: WG85615-1
Client ID: LCS
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 29-NOV-10
Extract Date: NONE
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
Dichlorodifluoromethane	61.4	50.0	30.7	ug/L	29-164
Chloromethane	72.4	50.0	36.2	ug/L	59-123
Vinyl Chloride	92.4	50.0	46.2	ug/L	64-131
Bromomethane	87.8	50.0	43.9	ug/L	57-135
Chloroethane	90.0	50.0	45.0	ug/L	53-157
Trichlorofluoromethane	103.	50.0	51.4	ug/L	70-149
1,1-Dichloroethene	95.6	50.0	47.8	ug/L	88-127
Carbon Disulfide	77.2	50.0	38.6	ug/L	71-129
Methylene Chloride	102.	50.0	51.1	ug/L	72-129
Acetone	109.	50.0	54.3	ug/L	62-172
trans-1,2-Dichloroethene	90.6	50.0	45.3	ug/L	78-125
Methyl tert-butyl Ether	96.2	100.	96.2	ug/L	81-125
1,1-Dichloroethane	98.0	50.0	49.0	ug/L	76-130
cis-1,2-Dichloroethene	104.	50.0	52.0	ug/L	85-123
Bromochloromethane	104.	50.0	52.0	ug/L	85-117
Chloroform	103.	50.0	51.6	ug/L	78-128
Carbon Tetrachloride	102.	50.0	50.8	ug/L	87-126
1,1,1-Trichloroethane	99.4	50.0	49.7	ug/L	77-129
2-Butanone	111.	50.0	55.7	ug/L	71-132
Benzene	96.4	50.0	48.2	ug/L	86-116
1,2-Dichloroethane	99.8	50.0	49.9	ug/L	81-125
Trichloroethene	98.2	50.0	49.1	ug/L	79-121
1,2-Dichloropropane	98.6	50.0	49.3	ug/L	84-118
Bromodichloromethane	104.	50.0	52.0	ug/L	85-122
cis-1,3-Dichloropropene	104.	50.0	51.8	ug/L	83-119
Toluene	99.4	50.0	49.7	ug/L	84-118
4-Methyl-2-Pentanone	104.	50.0	52.0	ug/L	83-122
Tetrachloroethene	108.	50.0	54.2	ug/L	47-155
trans-1,3-Dichloropropene	113.	50.0	56.6	ug/L	85-135
1,1,2-Trichloroethane	104.	50.0	51.8	ug/L	84-115
Dibromochloromethane	109.	50.0	54.5	ug/L	85-119
1,2-Dibromoethane	102.	50.0	51.0	ug/L	84-116
2-Hexanone	93.0	50.0	46.5	ug/L	80-124
Chlorobenzene	103.	50.0	51.6	ug/L	89-113
Ethylbenzene	102.	50.0	51.1	ug/L	88-113

LCS Recovery Report

Client:
Lab ID: WG85615-1
Client ID: LCS
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 29-NOV-10
Extract Date: NONE
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85615

Analysis Date: 29-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: AQ
% Solids: NA
Report Date: 08-DEC-10

Compound	Recovery (%)	Conc Added	Conc Recovered	Conc Units	Limits
m+p-Xylenes	104.	100.	104.	ug/L	88-116
o-Xylene	108.	50.0	54.0	ug/L	90-116
Styrene	99.8	50.0	49.9	ug/L	88-117
Bromoform	96.8	50.0	48.4	ug/L	86-117
Isopropylbenzene	127.	50.0	63.3	ug/L	96-136
1,1,2,2-Tetrachloroethane	105.	50.0	52.3	ug/L	79-121
1,3-Dichlorobenzene	107.	50.0	53.7	ug/L	86-110
1,4-Dichlorobenzene	104.	50.0	52.0	ug/L	86-111
1,2-Dichlorobenzene	107.	50.0	53.7	ug/L	86-112
1,2-Dibromo-3-Chloropropane	108.	50.0	54.1	ug/L	67-124
1,2,4-Trichlorobenzene	113.	50.0	56.3	ug/L	76-126
1,2,3-Trichlorobenzene	107.	50.0	53.3	ug/L	70-122
Freon-113	106.	50.0	53.2	ug/L	73-126
Cyclohexane	105.	50.0	52.6	ug/L	71-133
Methyl acetate	100.	50.0	50.1	ug/L	70-132
Methylcyclohexane	108.	50.0	54.2	ug/L	73-125
1,4-Dioxane	72.1	1000	721.	ug/L	10-149
P-Bromofluorobenzene	98.3				56-133
Toluene-d8	100.				65-128
1,2-Dichloroethane-d4	92.6				67-135
Dibromofluoromethane	98.8				68-128

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: CB094 BFB Injection Date: 11/19/10

Instrument ID: GCMS-C BFB Injection Time: 1049

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	45.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.7 (7.6)1
176	95.0 - 101.0% of mass 174	76.0 (100.2)1
177	5.0 - 9.0% of mass 176	4.9 (6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200C19A	C1857	11/19/10	1120
02		VSTD100C19A	C1858	11/19/10	1151
03		VSTD050C19A	C1859	11/19/10	1222
04		VSTD020C19A	C1860	11/19/10	1253
05		VSTD010C19A	C1861	11/19/10	1323
06		VSTD005C19A	C1862	11/19/10	1354
07		IND CHECK	C1863A	11/19/10	1514
08	WG85339-LCS	WG85339-1	C1863	11/19/10	1514
09	WG85339-BLANK	WG85339-2	C1865	11/19/10	1629
10	SBF1-55-58'-11/2010	SD7209-3	C1869	11/19/10	1832
11	SBF1-61-63'-11/2010	SD7209-4	C1870	11/19/10	1904
12	SBA1-27-33'-11/2010	SD7209-5	C1871	11/19/10	1936
13	SAA1-0-2-11/2010	SD7209-6	C1872	11/19/10	2008
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-C Calibration Date(s): 11/19/10 11/19/10

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1120 1354

LAB FILE ID: RF5: C1862 RF10: C1861 RF20: C1860
RF50: C1859 RF100: C1858 RF200: C1857

COMPOUND	COEFFICIENTS							A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
	RF5	RF10	RF20	RF50	RF100	RF200	CURVE					
Dichlorodifluoromethane	0.316	0.338	0.293	0.260	0.294	0.278	AVRG	0.29641846			9.258	15.000
Chloromethane	0.678	0.682	0.602	0.542	0.556	0.528	AVRG	0.59804315			11.384	15.000
Vinyl chloride	0.528	0.562	0.498	0.439	0.478	0.446	AVRG	0.49191411			9.643	15.000
Bromomethane	27305	53419	92404	224040	440460	717040	2ORDR	1.119e-003	2.72324322	2.83200539	0.99925	0.99000
Chloroethane	13723	30087	54126	126080	254800	421900	2ORDR	-1.95e-003	5.03507883	7.33549462	0.99916	0.99000
Trichlorofluoromethane	0.541	0.593	0.545	0.457	0.492	0.464	AVRG	0.51544080			10.321	15.000
1,1-Dichloroethene	0.317	0.344	0.320	0.271	0.312	0.300	AVRG	0.31080546			7.765	15.000
Carbon Disulfide	130670	235310	408910	1004300	2261200	4430700	LINR	-4.94e-002	0.81855825		0.99942	0.99000
Methylene Chloride	0.542	0.491	0.424	0.394	0.399	0.370	AVRG	0.43663001			15.171	15.000
Acetone	0.130	0.127	0.116	0.108	0.111	0.106	AVRG	0.11642184			8.650	15.000
trans-1,2-Dichloroethene	0.397	0.419	0.383	0.354	0.384	0.369	AVRG	0.38439636			5.766	15.000
Methyl tert-butyl ether	1.118	1.210	1.128	1.094	1.106	1.025	AVRG	1.11378316			5.369	15.000
1,1-Dichloroethane	0.766	0.776	0.727	0.677	0.706	0.687	AVRG	0.72318506			5.646	15.000
cis-1,2-Dichloroethene	0.411	0.430	0.393	0.373	0.387	0.380	AVRG	0.39551317			5.389	15.000
Bromochloromethane	0.181	0.183	0.174	0.160	0.168	0.165	AVRG	0.17208103			5.252	15.000
Chloroform	0.662	0.696	0.647	0.617	0.636	0.622	AVRG	0.64655291			4.505	15.000
Carbon Tetrachloride	0.207	0.224	0.214	0.202	0.234	0.241	AVRG	0.22027341			6.924	15.000
1,1,1-Trichloroethane	0.553	0.579	0.537	0.497	0.544	0.541	AVRG	0.54192932			4.939	15.000
2-Butanone	0.189	0.191	0.190	0.185	0.184	0.170	AVRG	0.18491183			4.319	15.000
Benzene	0.884	0.895	0.862	0.845	0.922	0.939	AVRG	0.89127066			3.971	15.000
1,2-Dichloroethane	0.237	0.244	0.237	0.227	0.242	0.237	AVRG	0.23733349			2.489	15.000
Trichloroethene	0.192	0.198	0.189	0.187	0.211	0.223	AVRG	0.20025910			7.095	15.000
1,2-Dichloropropane	0.217	0.224	0.211	0.209	0.224	0.226	AVRG	0.21838063			3.344	15.000
Bromodichloromethane	0.260	0.267	0.254	0.256	0.277	0.282	AVRG	0.26604608			4.383	15.000
cis-1,3-dichloropropene	0.315	0.337	0.336	0.333	0.361	0.363	AVRG	0.34079540			5.325	15.000
Toluene	0.553	0.557	0.529	0.520	0.577	0.607	AVRG	0.55701712			5.712	15.000
4-methyl-2-pentanone	0.200	0.201	0.201	0.202	0.199	0.174	AVRG	0.19636618			5.492	15.000
Tetrachloroethene	0.146	0.157	0.152	0.152	0.182	0.200	AVRG	0.16478144			12.894	15.000
trans-1,3-Dichloropropene	0.251	0.274	0.265	0.269	0.296	0.304	AVRG	0.27662860			7.147	15.000
1,1,2-Trichloroethane	0.141	0.147	0.143	0.142	0.152	0.155	AVRG	0.14681297			3.930	15.000
Dibromochloromethane	0.170	0.179	0.178	0.183	0.197	0.194	AVRG	0.18335534			5.614	15.000
1,2-Dibromoethane	0.149	0.158	0.156	0.157	0.168	0.169	AVRG	0.15967292			4.770	15.000
2-Hexanone	0.155	0.156	0.156	0.160	0.155	0.136	AVRG	0.15293785			5.460	15.000
Chlorobenzene	0.598	0.606	0.590	0.593	0.641	0.654	AVRG	0.61381901			4.413	15.000
Ethylbenzene	0.324	0.335	0.320	0.321	0.355	0.363	AVRG	0.33636772			5.570	15.000
m+p-Xylenes	0.409	0.426	0.411	0.418	0.473	0.476	AVRG	0.43536442			7.061	15.000
o-Xylene	0.402	0.409	0.393	0.398	0.435	0.450	AVRG	0.41443510			5.530	15.000
Styrene	0.665	0.684	0.670	0.686	0.757	0.769	AVRG	0.70510735			6.479	15.000
Bromoform	0.093	0.104	0.106	0.114	0.128	0.131	AVRG	0.11272537			12.850	15.000
Isopropylbenzene	1.559	1.669	1.545	1.519	1.709	1.780	AVRG	1.63009495			6.415	15.000
1,1,2,2-Tetrachloroethane	0.458	0.470	0.443	0.453	0.466	0.451	AVRG	0.45681127			2.231	15.000
1,3-Dichlorobenzene	0.814	0.845	0.819	0.839	0.947	1.012	AVRG	0.87954464			9.225	15.000
1,4-Dichlorobenzene	0.881	0.924	0.874	0.904	1.010	1.082	AVRG	0.94608835			8.741	15.000
1,2-Dichlorobenzene	0.775	0.814	0.779	0.791	0.888	0.936	AVRG	0.83075223			7.986	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-C Calibration Date(s): 11/19/10 11/19/10

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1120 1354

LAB FILE ID: RF5: C1862 RF10: C1861 RF20: C1860
RF50: C1859 RF100: C1858 RF200: C1857

COMPOUND								COEFFICIENTS			%RSD	MAX %RSD
	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	A0	A1	A2		
1,2-Dibromo-3-Chloropropa	0.088	0.087	0.087	0.087	0.086	0.079	AVRG		8.593e-002		4.041	15.000
1,2,4-Trichlorobenzene	0.572	0.584	0.554	0.561	0.623	0.680	AVRG		0.59570389		8.019	15.000
1,2,3-Trimethylbenzene	1.657	1.802	1.661	1.672	1.839	1.866	AVRG		1.74944300		5.513	15.000
Freon-113	0.203	0.233	0.199	0.180	0.198	0.195	AVRG		0.20145288		8.627	15.000
1,4-Dioxane	0.002	0.003	0.002	0.003	0.002	0.002	AVRG		2.531e-003		8.166	15.000
Cyclohexane	0.722	0.779	0.729	0.630	0.724	0.702	AVRG		0.71446474		6.830	15.000
Methyl Acetate	0.359	0.338	0.303	0.299	0.293	0.270	AVRG		0.31023195		10.463	15.000
Methylcyclohexane	0.667	0.774	0.687	0.640	0.716	0.750	AVRG		0.70586382		7.204	15.000
Dibromofluoromethane	0.417	0.395	0.367	0.323	0.342	0.331	AVRG		0.36267950		10.285	15.000
1,2-Dichloroethane-D4	35734	69302	128770	306800	673820	1271400	LINR	-7.99e-002	2.85088648		0.99890	0.99000
Toluene-D8	161760	274340	483190	1133600	2538800	5073800	LINR	-8.1e-003	1.26397791		0.99872	0.99000
P-Bromofluorobenzene	0.420	0.354	0.322	0.283	0.311	0.319	AVRG		0.33484064		14.222	15.000

Average %RSD test result.
Calculate Average %RSD: 8.095554352
Maximum Average %RSD: 20.00000000
Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: CB096 BFB Injection Date: 11/24/10

Instrument ID: GCMS-C BFB Injection Time: 0745

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.7 (1.1)1
174	Greater than 50.0% of mass 95	65.8
175	5.0 - 9.0% of mass 174	4.4 (6.8)1
176	95.0 - 101.0% of mass 174	65.6 (99.7)1
177	5.0 - 9.0% of mass 176	4.2 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050C24A	C1879	11/24/10	0825
02	WG85540-LCS	WG85540-1	C1881	11/24/10	1000
03	WG85540-BLANK	WG85540-2	C1883	11/24/10	1118
04	TRIP BLANK FOR SOIL	SD7209-12	C1884	11/24/10	1212
05	SBF1-10-12'-11/2010	SD7209-1RA	C1885	11/24/10	1243
06	FD11171001	SD7209-7	C1887	11/24/10	1344
07	SBA1-2-4'-11/2010	SD7209-8	C1888	11/24/10	1415
08	SBA1-46-47'-11/2010	SD7209-9	C1889	11/24/10	1445
09	SBF1-50-55'-11/2010	SD7209-2RA2	C1891	11/24/10	1549
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-C Calibration Date: 11/24/10 Time: 0825

Lab File ID: C1879 Init. Calib. Date(s): 11/19/10 11/19/10

Init. Calib. Times: 1120 1354

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.2960000	0.2517800	0.2517800	0.01	-14.94	20.00	AVRG
Chloromethane	0.5980000	0.5196300	0.5196300	0.1	-13.10	20.00	AVRG
Vinyl chloride	0.4920000	0.4590600	0.4590600	0.01	-6.70	20.00	AVRG
Bromomethane	55.6860000	50.0000000	0.3091600	0.01	11.37		2RDR
Chloroethane	48.6160000	50.0000000	0.1574000	0.01	-2.77		2RDR
Trichlorofluoromethane	0.5150000	0.5630600	0.5630600	0.01	9.33	20.00	AVRG
1,1-Dichloroethene	0.3110000	0.3109700	0.3109700	0.01	-0.01	20.00	AVRG
Carbon Disulfide	50.6880000	50.0000000	1.2988000	0.01	1.38		LINR
Methylene Chloride	0.4370000	0.4251800	0.4251800	0.01	-2.70	20.00	AVRG
Acetone	0.1160000	0.1109100	0.1109100	0.01	-4.39	20.00	AVRG
trans-1,2-Dichloroethene	0.3840000	0.3834100	0.3834100	0.01	-0.15	20.00	AVRG
Methyl tert-butyl ether	1.1140000	1.0774000	1.0774000	0.01	-3.28	20.00	AVRG
1,1-Dichloroethane	0.7230000	0.6893000	0.6893000	0.1	-4.66	20.00	AVRG
cis-1,2-Dichloroethene	0.3960000	0.3873400	0.3873400	0.01	-2.19	20.00	AVRG
Bromochloromethane	0.1720000	0.1709200	0.1709200	0.01	-0.63	20.00	AVRG
Chloroform	0.6470000	0.6410700	0.6410700	0.01	-0.92	20.00	AVRG
Carbon Tetrachloride	0.2200000	0.2212300	0.2212300	0.01	0.56	20.00	AVRG
1,1,1-Trichloroethane	0.5420000	0.5244800	0.5244800	0.01	-3.23	20.00	AVRG
2-Butanone	0.1850000	0.1751500	0.1751500	0.01	-5.32	20.00	AVRG
Benzene	0.8910000	0.8878000	0.8878000	0.01	-0.36	20.00	AVRG
1,2-Dichloroethane	0.2370000	0.2415600	0.2415600	0.01	1.92	20.00	AVRG
Trichloroethene	0.2000000	0.2067800	0.2067800	0.01	3.39	20.00	AVRG
1,2-Dichloropropane	0.2180000	0.2159500	0.2159500	0.01	-0.94	20.00	AVRG
Bromodichloromethane	0.2660000	0.2734600	0.2734600	0.01	2.80	20.00	AVRG
cis-1,3-dichloropropene	0.3410000	0.3464300	0.3464300	0.01	1.59	20.00	AVRG
Toluene	0.5570000	0.5614200	0.5614200	0.01	0.79	20.00	AVRG
4-methyl-2-pentanone	0.1960000	0.1947200	0.1947200	0.01	-0.65	20.00	AVRG
Tetrachloroethene	0.1650000	0.1734500	0.1734500	0.01	5.12	20.00	AVRG
trans-1,3-Dichloropropene	0.2760000	0.2822400	0.2822400	0.01	2.26	20.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-C Calibration Date: 11/24/10 Time: 0825

Lab File ID: C1879 Init. Calib. Date(s): 11/19/10 11/19/10

Init. Calib. Times: 1120 1354

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,1,2-Trichloroethane	0.1470000	0.1512100	0.1512100	0.01	2.86	20.00	AVRG
Dibromochloromethane	0.1840000	0.1950700	0.1950700	0.01	6.02	20.00	AVRG
1,2-Dibromoethane	0.1600000	0.1621400	0.1621400	0.01	1.34	20.00	AVRG
2-Hexanone	0.1530000	0.1498600	0.1498600	0.01	-2.05	20.00	AVRG
Chlorobenzene	0.6140000	0.6165000	0.6165000	0.3	0.41	20.00	AVRG
Ethylbenzene	0.3360000	0.3357300	0.3357300	0.01	-0.08	20.00	AVRG
m+p-Xylenes	0.4360000	0.4346800	0.4346800	0.01	-0.30	20.00	AVRG
o-Xylene	0.4140000	0.4059500	0.4059500	0.01	-1.94	20.00	AVRG
Styrene	0.7050000	0.7084100	0.7084100	0.01	0.48	20.00	AVRG
Bromoform	0.1130000	0.1194800	0.1194800	0.1	5.73	20.00	AVRG
Isopropylbenzene	1.6300000	1.6222000	1.6222000	0.01	-0.48	20.00	AVRG
1,1,2,2-Tetrachloroethane	0.4570000	0.4685300	0.4685300	0.3	2.52	20.00	AVRG
1,3-Dichlorobenzene	0.8790000	0.8828400	0.8828400	0.01	0.44	20.00	AVRG
1,4-Dichlorobenzene	0.9460000	0.9465200	0.9465200	0.01	0.05	20.00	AVRG
1,2-Dichlorobenzene	0.8300000	0.8298500	0.8298500	0.01	-0.02	20.00	AVRG
1,2-Dibromo-3-Chloropropane	8.6e-002	8.69e-002	8.69e-002	0.01	1.05	20.00	AVRG
1,2,4-Trichlorobenzene	0.5960000	0.5610200	0.5610200	0.01	-5.87	20.00	AVRG
1,2,3-Trimethylbenzene	1.7500000	1.5836000	1.5836000	0.01	-9.51	20.00	AVRG
Freon-113	0.2010000	0.1905200	0.1905200	0.01	-5.21	20.00	AVRG
1,4-Dioxane	2.e-003	2.13e-003	2.13e-003	0.01	6.50	20.00	AVRG
Cyclohexane	0.7140000	0.6716600	0.6716600	0.01	-5.93	20.00	AVRG
Methyl Acetate	0.3100000	0.2718900	0.2718900	0.01	-12.29	20.00	AVRG
Methylcyclohexane	0.7060000	0.6431100	0.6431100	0.01	-8.91	20.00	AVRG
Dibromofluoromethane	0.3620000	0.3378000	0.3378000	0.01	-6.68	20.00	AVRG
1,2-Dichloroethane-D4	50.543000	50.000000	0.3826200	0.01	1.09		LINR
Toluene-D8	47.424000	50.000000	0.7568100	0.01	-5.15		LINR
P-Bromofluorobenzene	0.3350000	0.2892700	0.2892700	0.01	-13.65	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.738371849
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: DB526 BFB Injection Date: 11/18/10

Instrument ID: GCMS-D BFB Injection Time: 0837

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.7
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	82.1
175	5.0 - 9.0% of mass 174	6.0 (7.3)1
176	95.0 - 101.0% of mass 174	81.0 (98.6)1
177	5.0 - 9.0% of mass 176	5.8 (7.2)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050D18A	D8606	11/18/10	0904
02		VSTD020D18A	D8607	11/18/10	0953
03		VSTD005D18A	D8608	11/18/10	1024
04		VSTD001D18A	D8609	11/18/10	1056
05		VSTD200D18A	D8610	11/18/10	1127
06		VSTD100D18A	D8611	11/18/10	1159
07		IND CHECK	D8612A	11/18/10	1230
08					
09					
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-D Calibration Date(s): 11/18/10 11/18/10

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0904 1159

LAB FILE ID: RF1: D8609 RF5: D8608 RF20: D8607
RF50: D8606 RF100: D8611 RF200: D8610

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICIENTS			%RSD OR R^2	MAX %RSD OR R^2
								A0	A1	A2		
Dichlorodifluoromethane	0.510	0.490	0.501	0.368	0.409	0.375	AVRG		0.44213260		14.886	15.000
Chloromethane	5883	28647	112130	222300	578310	942010	2ORDR	1.068e-002	1.22078400	0.16045845	0.99752	0.99000
Vinyl chloride	0.820	0.801	0.768	0.590	0.676	0.611	AVRG		0.71087734		13.930	15.000
Bromomethane	3306	13819	53149	113940	270920	543360	LINR	4.835e-003	2.85157836		0.99892	0.99000
Chloroethane	0.585	0.534	0.484	0.410	0.481	0.414	AVRG		0.48460061		14.086	15.000
Trichlorofluoromethane	0.957	0.978	0.952	0.774	0.875	0.827	AVRG		0.89388873		9.178	15.000
1,1-Dichloroethene	0.478	0.453	0.446	0.361	0.427	0.397	AVRG		0.42714985		9.904	15.000
Carbon Disulfide	1.742	1.693	1.653	1.417	1.612	1.539	AVRG		1.60951626		7.266	15.000
Methylene Chloride	4900	21852	80123	181330	436980	775890	LINR	-3.5e-002	1.96774587		0.99875	0.99000
Acetone	0.180	0.161	0.178	0.137	0.144	0.118	AVRG		0.15293879		16.103	15.000
trans-1,2-Dichloroethene	0.604	0.572	0.540	0.478	0.526	0.489	AVRG		0.53507813		8.991	15.000
Methyl tert-butyl ether	1.323	1.404	1.477	1.305	1.547	1.439	AVRG		1.41599810		6.515	15.000
1,1-Dichloroethane	1.275	1.243	1.162	1.050	1.109	1.057	AVRG		1.14940724		8.241	15.000
cis-1,2-Dichloroethene	0.596	0.591	0.563	0.513	0.544	0.524	AVRG		0.55522711		6.181	15.000
Bromochloromethane	0.280	0.279	0.274	0.255	0.266	0.245	AVRG		0.26679884		5.306	15.000
Chloroform	1.175	1.121	1.069	0.978	1.015	0.981	AVRG		1.05652618		7.581	15.000
Carbon Tetrachloride	0.529	0.561	0.562	0.504	0.565	0.571	AVRG		0.54857292		4.810	15.000
1,1,1-Trichloroethane	0.949	0.982	0.967	0.864	0.941	0.927	AVRG		0.93867135		4.389	15.000
2-Butanone	0.182	0.219	0.250	0.216	0.253	0.238	AVRG		0.22652442		11.791	15.000
Benzene	1.760	1.726	1.657	1.566	1.663	1.645	AVRG		1.66945244		4.050	15.000
1,2-Dichloroethane	0.681	0.680	0.673	0.618	0.653	0.655	AVRG		0.66009393		3.611	15.000
Trichloroethene	0.428	0.427	0.415	0.380	0.411	0.424	AVRG		0.41406928		4.360	15.000
1,2-Dichloropropane	0.453	0.435	0.437	0.414	0.437	0.450	AVRG		0.43761719		3.193	15.000
Bromodichloromethane	0.508	0.558	0.561	0.552	0.585	0.602	AVRG		0.56112557		5.738	15.000
cis-1,3-dichloropropene	0.580	0.600	0.675	0.676	0.725	0.750	AVRG		0.66765376		10.087	15.000
Toluene	1.097	1.074	1.042	0.999	1.066	1.116	AVRG		1.06566808		3.885	15.000
4-methyl-2-pentanone	11552	75855	374620	861500	2439000	4504000	LINR	0.23492259	2.28619659		0.99802	0.99000
Tetrachloroethene	0.422	0.404	0.385	0.351	0.384	0.365	AVRG		0.38516448		6.660	15.000
trans-1,3-Dichloropropene	0.449	0.516	0.584	0.586	0.637	0.669	AVRG		0.57346981		13.992	15.000
1,1,2-Trichloroethane	0.267	0.266	0.280	0.269	0.294	0.314	AVRG		0.28173621		6.714	15.000
Dibromochloromethane	0.339	0.370	0.412	0.395	0.438	0.421	AVRG		0.39563895		9.157	15.000
1,2-Dibromoethane	0.310	0.308	0.322	0.301	0.345	0.364	AVRG		0.32514351		7.530	15.000
2-Hexanone	6412	47121	246800	553380	1587000	2935000	LINR	6.461e-002	3.60068856		0.99618	0.99000
Chlorobenzene	1.406	1.320	1.285	1.206	1.242	1.217	AVRG		1.27948494		5.882	15.000
Ethylbenzene	0.674	0.664	0.676	0.620	0.676	0.679	AVRG		0.66496471		3.410	15.000
m+p-Xylenes	0.780	0.832	0.842	0.810	0.890	0.892	AVRG		0.84097152		5.250	15.000
o-Xylene	0.605	0.716	0.786	0.768	0.819	0.835	AVRG		0.75475786		11.178	15.000
Styrene	6922	46550	228630	588280	1466300	3063800	LINR	3.397e-002	0.70274008		0.99941	0.99000
Bromoform	1496	10573	50779	124690	336410	698210	LINR	4.529e-002	3.07525580		0.99851	0.99000
Isopropylbenzene	2.421	2.843	2.935	2.701	2.878	2.801	AVRG		2.76340595		6.699	15.000
1,1,2,2-Tetrachloroethane	0.755	0.696	0.739	0.628	0.727	0.707	AVRG		0.70863711		6.320	15.000
1,3-Dichlorobenzene	1.808	1.848	1.845	1.771	1.830	1.806	AVRG		1.81808575		1.611	15.000
1,4-Dichlorobenzene	2.259	2.043	1.930	1.849	1.903	1.892	AVRG		1.97951120		7.664	15.000
1,2-Dichlorobenzene	1.712	1.717	1.736	1.669	1.755	1.744	AVRG		1.72219164		1.772	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-D Calibration Date(s): 11/18/10 11/18/10

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0904 1159

LAB FILE ID: RF1: D8609 RF5: D8608 RF20: D8607
RF50: D8606 RF100: D8611 RF200: D8610

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICIENTS			%RSD	MAX %RSD
								A0	A1	A2		
1,2-Dibromo-3-Chloropropa	0.137	0.114	0.112	0.125	0.155	0.148	AVRG		0.13165464		13.499	15.000
1,2,4-Trichlorobenzene	1.178	1.244	1.284	1.260	1.293	1.233	AVRG		1.24849045		3.305	15.000
1,2,3-Trichlorobenzene	0.960	1.103	1.111	1.049	1.121	1.041	AVRG		1.06423152		5.713	15.000
Freon-113	0.371	0.377	0.369	0.325	0.339		AVRG		0.35624136		6.453	15.000
Cyclohexane	0.829	0.983	1.014	0.868	1.025	1.009	AVRG		0.95473570		8.843	15.000
Methyl Acetate	0.452	0.473	0.452	0.366	0.454	0.419	AVRG		0.43599737		8.800	15.000
Methylcyclohexane	0.798	0.858	0.919	0.868	0.925	0.923	AVRG		0.88185934		5.730	15.000
1,4-Dioxane	0.007	0.006	0.002	0.001	0.003	0.000	AVRG		3.238e-003		82.171	15.000
Dibromofluoromethane	0.533	0.586	0.573	0.514	0.552	0.543	AVRG		0.55038275		4.784	15.000
1,2-Dichloroethane-D4	0.878	0.860	0.835	0.723	0.770	0.755	AVRG		0.80356749		7.788	15.000
Toluene-D8	1.390	1.470	1.480	1.366	1.488	1.496	AVRG		1.44839514		3.838	15.000
p-Bromofluorobenzene	0.580	0.586	0.595	0.577	0.638	0.692	AVRG		0.61142645		7.435	15.000

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: DB534 BFB Injection Date: 11/29/10

Instrument ID: GCMS-D BFB Injection Time: 0932

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	87.3
175	5.0 - 9.0% of mass 174	5.5 (6.3)1
176	95.0 - 101.0% of mass 174	84.5 (96.8)1
177	5.0 - 9.0% of mass 176	5.8 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050D29A	D8793	11/29/10	0958
02	WG85615-LCS	WG85615-1	D8794	11/29/10	1102
03	WG85615-BLANK	WG85615-2	D8796	11/29/10	1218
04	RB11171001	SD7209-10	D8799	11/29/10	1354
05	TB11171001	SD7209-11	D8800	11/29/10	1425
06					
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-D Calibration Date: 11/29/10 Time: 0958

Lab File ID: D8793 Init. Calib. Date(s): 11/18/10 11/18/10

Init. Calib. Times: 0904 1159

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Dichlorodifluoromethane	0.4420000	0.5376300	0.5376300	0.01	21.64	20.00	AVRG <-
Chloromethane	48.431000	50.000000	0.7171000	0.1	-3.14	20.00	2RDR
Vinyl chloride	0.7110000	0.7874600	0.7874600	0.01	10.75	20.00	AVRG
Bromomethane	49.745000	50.000000	0.3472000	0.01	-0.51	20.00	LINR
Chloroethane	0.4850000	0.4891100	0.4891100	0.01	0.85	20.00	AVRG
Trichlorofluoromethane	0.8940000	0.9945700	0.9945700	0.01	11.25	20.00	AVRG
1,1-Dichloroethene	0.4270000	0.4176000	0.4176000	0.1	-2.20	20.00	AVRG
Carbon Disulfide	1.6090000	1.5625000	1.5625000	0.01	-2.89	20.00	AVRG
Methylene Chloride	50.019000	50.000000	0.5262000	0.01	0.04	20.00	LINR
Acetone	0.1530000	0.1524300	0.1524300	0.01	-0.37	20.00	AVRG
trans-1,2-Dichloroethene	0.5350000	0.4990900	0.4990900	0.01	-6.71	20.00	AVRG
Methyl tert-butyl ether	1.4160000	1.2423000	1.2423000	0.01	-12.27	20.00	AVRG
1,1-Dichloroethane	1.1490000	1.0753000	1.0753000	0.1	-6.41	20.00	AVRG
cis-1,2-Dichloroethene	0.5550000	0.5258000	0.5258000	0.01	-5.26	20.00	AVRG
Bromochloromethane	0.2660000	0.2690800	0.2690800	0.01	1.16	20.00	AVRG
Chloroform	1.0560000	1.0120000	1.0120000	0.01	-4.17	20.00	AVRG
Carbon Tetrachloride	0.5490000	0.5651000	0.5651000	0.01	2.93	20.00	AVRG
1,1,1-Trichloroethane	0.9380000	0.9452600	0.9452600	0.01	0.77	20.00	AVRG
2-Butanone	0.2260000	0.2366000	0.2366000	0.01	4.69	20.00	AVRG
Benzene	1.6700000	1.6275000	1.6275000	0.01	-2.54	20.00	AVRG
1,2-Dichloroethane	0.6600000	0.6255100	0.6255100	0.01	-5.22	20.00	AVRG
Trichloroethene	0.4140000	0.4171000	0.4171000	0.01	0.75	20.00	AVRG
1,2-Dichloropropane	0.4380000	0.4160300	0.4160300	0.01	-5.02	20.00	AVRG
Bromodichloromethane	0.5610000	0.5674900	0.5674900	0.01	1.16	20.00	AVRG
cis-1,3-dichloropropene	0.6680000	0.6608800	0.6608800	0.01	-1.06	20.00	AVRG
Toluene	1.0660000	1.0554000	1.0554000	0.01	-0.99	20.00	AVRG
4-methyl-2-pentanone	229.82000	250.00000	0.3815500	0.01	-8.07	20.00	LINR
Tetrachloroethene	0.3850000	0.4280300	0.4280300	0.01	11.18	20.00	AVRG
trans-1,3-Dichloropropene	0.5740000	0.5747200	0.5747200	0.01	0.12	20.00	AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-D Calibration Date: 11/29/10 Time: 0958

Lab File ID: D8793 Init. Calib. Date(s): 11/18/10 11/18/10

Init. Calib. Times: 0904 1159

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,1,2-Trichloroethane	0.2820000	0.2794800	0.2794800	0.01	-0.89	20.00	AVRG
Dibromochloromethane	0.3960000	0.3923300	0.3923300	0.01	-0.93	20.00	AVRG
1,2-Dibromoethane	0.3250000	0.3093700	0.3093700	0.01	-4.81	20.00	AVRG
2-Hexanone	234.40000	250.00000	0.2568000	0.01	-6.24	20.00	LINR
Chlorobenzene	1.2790000	1.2423000	1.2423000	0.3	-2.87	20.00	AVRG
Ethylbenzene	0.6650000	0.6465500	0.6465500	0.01	-2.77	20.00	AVRG
m+p-Xylenes	0.8410000	0.8398800	0.8398800	0.01	-0.13	20.00	AVRG
o-Xylene	0.7550000	0.7680200	0.7680200	0.01	1.72	20.00	AVRG
Styrene	47.230000	50.000000	1.2958000	0.01	-5.54	20.00	LINR
Bromoform	44.470000	50.000000	0.2744800	0.1	-11.06	20.00	LINR
Isopropylbenzene	2.7630000	2.8447000	2.8447000	0.01	2.96	20.00	AVRG
1,1,2,2-Tetrachloroethane	0.7090000	0.6541900	0.6541900	0.3	-7.73	20.00	AVRG
1,3-Dichlorobenzene	1.8180000	1.8191000	1.8191000	0.01	0.06	20.00	AVRG
1,4-Dichlorobenzene	1.9790000	1.9387000	1.9387000	0.01	-2.04	20.00	AVRG
1,2-Dichlorobenzene	1.7220000	1.7431000	1.7431000	0.01	1.22	20.00	AVRG
1,2-Dibromo-3-Chloropropane	0.1320000	0.1093800	0.1093800	0.01	-17.14	20.00	AVRG
1,2,4-Trichlorobenzene	1.2490000	1.2298000	1.2298000	0.01	-1.54	20.00	AVRG
1,2,3-Trichlorobenzene	1.0640000	1.0031000	1.0031000	0.01	-5.72	20.00	AVRG
Freon-113	0.3560000	0.3543200	0.3543200	0.01	-0.47	20.00	AVRG
Cyclohexane	0.9550000	0.9827700	0.9827700	0.01	2.91	20.00	AVRG
Methyl Acetate	0.4360000	0.3621700	0.3621700	0.01	-16.93	20.00	AVRG
Methylcyclohexane	0.8820000	0.9303300	0.9303300	0.01	5.48	20.00	AVRG
1,4-Dioxane	3.e-003	1.84e-003	1.84e-003	0.001	-38.67	20.00	AVRG <-
Dibromofluoromethane	0.5500000	0.5290000	0.5290000	0.01	-3.82	20.00	AVRG
1,2-Dichloroethane-D4	0.8040000	0.7028200	0.7028200	0.01	-12.58	20.00	AVRG
Toluene-D8	1.4480000	1.3774000	1.3774000	0.01	-4.88	20.00	AVRG
P-Bromofluorobenzene	0.6110000	0.6012700	0.6012700	0.01	-1.59	20.00	AVRG

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): C1859 Date Analyzed: 11/19/10

Instrument ID: GCMS-C Time Analyzed: 1222

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		834974	9.72	1575568	10.44	1458369	14.28
UPPER LIMIT		1669948	10.22	3151136	10.94	2916738	14.78
LOWER LIMIT		417487	9.22	787784	9.94	729185	13.78
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01 WGB5339-LCS	WGB5339-1	735702	9.72	1443676	10.44	1351340	14.28
02 WGB5339-BLANK	WGB5339-2	686524	9.72	1331555	10.44	1233801	14.28
03 SBF1-55-58'-11/2010	SD7209-3	603796	9.72	1131421	10.44	1030909	14.28
04 SBF1-61-63'-11/2010	SD7209-4	621123	9.72	1139608	10.44	1033857	14.28
05 SBA1-27-33'-11/2010	SD7209-5	597990	9.72	1080251	10.44	986218	14.28
06 SAA1-0-2-11/2010	SD7209-6	653981	9.72	1165658	10.44	1039685	14.28
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IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): C1859 Date Analyzed: 11/19/10

Instrument ID: GCMS-C Time Analyzed: 1222

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB)					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		823972	17.23				
UPPER LIMIT		1647944	17.73				
LOWER LIMIT		411986	16.73				
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
01	WG85339-LCS	WG85339-1	749839	17.23			
02	WG85339-BLANK	WG85339-2	667977	17.23			
03	SBF1-55-58'-11/2010	SD7209-3	541278	17.23			
04	SBF1-61-63'-11/2010	SD7209-4	553914	17.23			
05	SBA1-27-33'-11/2010	SD7209-5	516558	17.23			
06	SAA1-0-2-11/2010	SD7209-6	519793	17.23			
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): C1859 Date Analyzed: 11/19/10

Instrument ID: GCMS-C Time Analyzed: 1222

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		834974	9.72	1575568	10.44	1458373	14.28
UPPER LIMIT		1669948	10.22	3151136	10.94	2916746	14.78
LOWER LIMIT		417487	9.22	787784	9.94	729187	13.78
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01	VSTD050C24A	689100	9.72	1260318	10.44	1178293	14.28
02	WG85540-LCS	639962	9.72	1220284	10.43	1156232	14.28
03	WG85540-BLANK	545823	9.72	1090613	10.44	1016617	14.28
04	TRIP BLANK FOR SOIL	550030	9.72	1086937	10.43	1022132	14.28
05	SBF1-10-12'-11/3010	525680	9.72	1057295	10.44	975450	14.28
06	FD11171001	473685	9.72	941160	10.44	847173	14.28
07	SBA1-2-4'-11/2010	497824	9.72	979216	10.44	910665	14.28
08	SBA1-46-47'-11/2010	498427	9.72	954094	10.44	883169	14.28
09	SBF1-50-55'-11/2010	459280	9.72	852422	10.44	782706	14.28
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IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): C1859 Date Analyzed: 11/19/10

Instrument ID: GCMS-C Time Analyzed: 1222

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB)					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		823972	17.23				
UPPER LIMIT		1647944	17.73				
LOWER LIMIT		411986	16.73				
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01	VSTD050C24A	658859	17.23				
02	WGB5540-LCS	648098	17.23				
03	WGB5540-BLANK	546433	17.23				
04	TRIP BLANK FOR SOIL	551717	17.23				
05	SBF1-10-12'-11/2010	519369	17.23				
06	FD11171001	415652	17.23				
07	SBA1-2-4'-11/2010	480303	17.23				
08	SBA1-46-47'-11/2010	467182	17.23				
09	SBF1-50-55'-11/2010	415873	17.23				
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): D8606 Date Analyzed: 11/18/10

Instrument ID: GCMS-D Time Analyzed: 0904

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (PFB)		IS2 (DFB)		IS3 (CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		348070	8.22	486909	8.88	460645	12.36
UPPER LIMIT		696140	8.72	973818	9.38	921290	12.86
LOWER LIMIT		174035	7.72	243455	8.38	230323	11.86
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE ID	LAB SAMPLE ID						
=====	=====	=====	=====	=====	=====	=====	=====
01	VSTD050D29A	266231	8.22	373192	8.87	363761	12.36
02	WGB5615-LCS	280097	8.22	395100	8.88	368254	12.36
03	WGB5615-BLANK	220188	8.22	327907	8.88	297652	12.36
04	RB11171001	193518	8.22	296223	8.88	273587	12.36
05	TB11171001	183343	8.22	286203	8.88	261489	12.36
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IS1 (PFB) = Pentafluorobenzene
 IS2 (DFB) = 1,4-Difluorobenzene
 IS3 (CBZ) = Chlorobenzene-D5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): D8606 Date Analyzed: 11/18/10

Instrument ID: GCMS-D Time Analyzed: 0904

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS4 (DCB)					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		286033	15.71				
UPPER LIMIT		572066	16.21				
LOWER LIMIT		143017	15.21				
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01	VSTD050D29A	222357	15.70				
02	WG85615-LCS	224468	15.71				
03	WG85615-BLANK	165311	15.70				
04	RB11171001	148101	15.71				
05	TB11171001	143929	15.71				
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20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

CTOJM30-1

SAMPLE ID SF-2-SBF1-10-12"-11/2010

SAMPLE CALC

IS AREA	DILUTION	COMPOUND OF INTEREST	IS AMOUNT (NG)	Final Extract Volume (UL)	AVE RRF	CONCENTRATION PPB
975450	1	4667	50	5	0.1648	1.29
		% Solids		Sample Volume (Grams)		
		0.916		6.15		

Tetrachloroethene = 1.3 ug/kg

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-1RA
Client ID: SBF1-10-12'-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 16-NOV-10
Received Date: 18-NOV-10
Extract Date:
Extracted By: DJP
Extraction Method:
Lab Prep Batch: WG85540

Analysis Date: 24-NOV-10
Analyst: DJP
Analysis Method: SW846 8260B
Matrix: SL
% Solids: 92.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Dichlorodifluoromethane	U	0.82	ug/Kgdrywt	1	10	8.9	0.82	4.4
Chloromethane	U	1.2	ug/Kgdrywt	1	10	8.9	1.2	4.4
Vinyl Chloride	U	0.77	ug/Kgdrywt	1	10	8.9	0.77	4.4
Bromomethane	U	0.98	ug/Kgdrywt	1	10	8.9	0.98	4.4
Chloroethane	U	1.2	ug/Kgdrywt	1	10	8.9	1.2	4.4
Trichlorofluoromethane	U	0.81	ug/Kgdrywt	1	10	8.9	0.81	4.4
1,1-Dichloroethene	U	0.83	ug/Kgdrywt	1	5	4.4	0.83	2.2
Carbon Disulfide	U	0.69	ug/Kgdrywt	1	5	4.4	0.69	2.2
Methylene Chloride	U	7.0	ug/Kgdrywt	1	25	22.	7.0	11.
Acetone	I	6.2	ug/Kgdrywt	1	25	22.	4.5	11.
trans-1,2-Dichloroethene	U	0.63	ug/Kgdrywt	1	5	4.4	0.63	2.2
Methyl tert-butyl Ether	U	0.98	ug/Kgdrywt	1	5	4.4	0.98	2.2
1,1-Dichloroethane	U	1.5	ug/Kgdrywt	1	5	4.4	1.5	2.2
cis-1,2-Dichloroethene	U	0.81	ug/Kgdrywt	1	5	4.4	0.81	2.2
Bromochloromethane	U	0.81	ug/Kgdrywt	1	5	4.4	0.81	2.2
Chloroform	U	0.31	ug/Kgdrywt	1	5	4.4	0.31	2.2
Carbon Tetrachloride	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
1,1,1-Trichloroethane	U	0.37	ug/Kgdrywt	1	5	4.4	0.37	2.2
2-Butanone	U	5.2	ug/Kgdrywt	1	25	22.	5.2	11.
Benzene	U	0.82	ug/Kgdrywt	1	5	4.4	0.82	2.2
1,2-Dichloroethane	U	0.89	ug/Kgdrywt	1	5	4.4	0.89	2.2
Trichloroethene	U	0.52	ug/Kgdrywt	1	5	4.4	0.52	2.2
1,2-Dichloropropane	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
Bromodichloromethane	U	0.53	ug/Kgdrywt	1	5	4.4	0.53	2.2
cis-1,3-Dichloropropene	U	0.64	ug/Kgdrywt	1	5	4.4	0.64	2.2
Toluene	U	1.2	ug/Kgdrywt	1	5	4.4	1.2	2.2
4-Methyl-2-Pentanone	U	5.2	ug/Kgdrywt	1	25	22.	5.2	11.
Tetrachloroethene	I	1.3	ug/Kgdrywt	1	5	4.4	1.1	2.2
trans-1,3-Dichloropropene	U	0.76	ug/Kgdrywt	1	5	4.4	0.76	2.2
1,1,2-Trichloroethane	U	0.86	ug/Kgdrywt	1	5	4.4	0.86	2.2
Dibromochloromethane	U	0.89	ug/Kgdrywt	1	5	4.4	0.89	2.2
1,2-Dibromoethane	U	1.1	ug/Kgdrywt	1	5	4.4	1.1	2.2
2-Hexanone	U	4.3	ug/Kgdrywt	1	25	22.	4.3	11.
Chlorobenzene	U	0.45	ug/Kgdrywt	1	5	4.4	0.45	2.2
Ethylbenzene	U	0.58	ug/Kgdrywt	1	5	4.4	0.58	2.2

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-c.i\C112410.b\C1885.D
 Lab Smp Id: SD7209-1RA Client Smp ID: SBF1-10-12'-11/2010
 Inj Date : 24-NOV-2010 12:43 MS Autotune Date: 18-NOV-2010 08:01
 Operator : DJP Inst ID: gcms-c.i
 Smp Info : SD7209-1RA
 Misc Info : WG85540,C1859
 Comment : SW846 5035
 Method : \\target_server\GG\chem\gcms-c.i\C112410.b\C826S19.m
 Meth Date : 24-Nov-2010 08:56 jsampson Quant Type: ISTD
 Cal Date : 19-NOV-2010 13:54 Cal File: C1862.D
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: TETRATOLFSF.sub
 Target Version: 4.12
 Processing Host: V200T1

Concentration Formula: Amt * DF * (100/(100-M)) * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	8.427	% Moisture
Vt	5.000	Volume of DI Water (mL)
Ws	6.150	Weight of Sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW
							ON-COLUMN (ug/kg)	FINAL (ug/Kgdrywt)	
15 Acetone	43		5.190	5.183	(0.534)	8543	6.97950	6.2(a)	
59 Tetrachloroethene	164		12.612	12.619	(0.883)	4667	1.45176	1.3(a)	
\$ 37 Dibromofluoromethane	113		8.894	8.894	(0.915)	202191	53.0258	47.1	
\$ 45 1,2-Dichloroethane-D4	65		9.737	9.738	(1.001)	217506	54.9825	48.8	
\$ 55 Toluene-D8	98		12.054	12.062	(1.155)	837181	49.6366	44.1	
\$ 76 P-Bromofluorobenzene	95		15.922	15.923	(1.525)	305209	43.1055	38.3	
* 42 Pentafluorobenzene	168		9.723	9.724	(1.000)	525680	50.0000		
* 49 1,4-Difluorobenzene	114		10.438	10.439	(1.000)	1057295	50.0000		
* 66 Chlorobenzene-D5	117		14.278	14.278	(1.000)	975450	50.0000		
* 91 1,4-Dichlorobenzene-D4	152		17.231	17.231	(1.000)	519369	50.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount
 Below Limit Of Quantitation(BLOQ).

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG85307-BLANK	WG85307-1	47	54	54	63	36	56			0
02	WG85307-LCS	WG85307-2	52	56	57	64	70	70			0
03	WG85307-LCSD	WG85307-3	54	56	57	64	67	67			0
04	SBF1-10-12-11/2010	SD7209-1	60	62	61	72	73	65			0
05	SBF1-50-55-11/2010	SD7209-2	59	62	63	75	68	68			0
06	SBF1-55-58-11/2010	SD7209-3	53	56	58	68	59	61			0
07	SBF1-61-63-11/2010	SD7209-4	54	57	58	69	64	64			0
08	SBA1-27-33-11/2010	SD7209-5	60	60	60	72	72	66			0
09	SAA1-0-2-11/2010	SD7209-6	44	46	44	54	67	66			0
10	FD11171001	SD7209-7	51	53	52	64	70	62			0
11	SBA1-2-4-11/2010	SD7209-8	57	60	59	69	70	65			0
12	SBA1-46-47-11/2010	SD7209-9	54	59	58	70	66	70			0
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QC LIMITS

S1 (2FP) = 2-Fluorophenol (19- 81)
 S2 (PHL) = Phenol-D6 (25- 82)
 S3 (NBZ) = Nitrobenzene-D5 (24- 81)
 S4 (FBP) = 2-Fluorobiphenyl (29- 83)
 S5 (TBP) = 2,4,6-Tribromophenol (16-103)
 S6 (TPH) = Terphenyl-D14 (24-136)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG85395-BLANK	WG85395-1	38	23	67	81	79	67			0
02	RB11171001	SD7209-10	34	19	69	84	80	71			0
03	WG85395-LCS	WG85395-2	36	23	75	81	91	78			0
04	WG85395-LCSD	WG85395-3	43	28	80	85	94	80			0
05											
06											
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QC LIMITS

S1 (2FP) = 2-Fluorophenol (10- 80)
 S2 (PHL) = Phenol-D6 (10- 90)
 S3 (NBZ) = Nitrobenzene-D5 (41- 91)
 S4 (FBP) = 2-Fluorobiphenyl (43- 90)
 S5 (TBP) = 2,4,6-Tribromophenol (37-112)
 S6 (TPH) = Terphenyl-D14 (36-156)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85307-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1
 Lab File ID: U3750 Lab Sample ID: WG85307-1
 Instrument ID: GCMS-U Date Extracted: 11/19/10
 Matrix: (soil/water) SOIL Date Analyzed: 11/23/10
 Level: (low/med) LOW Time Analyzed: 1112

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG85307-LCS	WG85307-2	U3753	11/23/10	1325
02	WG85307-LCSD	WG85307-3	U3754	11/23/10	1409
03	SBF1-10-12-11/2010	SD7209-1	U3758	11/23/10	1708
04	SBF1-50-55-11/2010	SD7209-2	U3759	11/23/10	1752
05	SBF1-55-58-11/2010	SD7209-3	U3760	11/23/10	1837
06	SBF1-61-63-11/2010	SD7209-4	U3761	11/23/10	1922
07	SBA1-27-33-11/2010	SD7209-5	U3762	11/23/10	2008
08	SAA1-0-2-11/2010	SD7209-6	U3773	11/24/10	1111
09	FD11171001	SD7209-7	U3774	11/24/10	1155
10	SBA1-2-4-11/2010	SD7209-8	U3775	11/24/10	1240
11	SBA1-46-47-11/2010	SD7209-9	U3776	11/24/10	1325
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COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85307-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-dec-2010 09:10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	160	ug/Kgdrywt	1	330	330	160	250
Bis(2-Chloroethyl) Ether	U	81.	ug/Kgdrywt	1	330	330	81.	250
2-Chlorophenol	U	160	ug/Kgdrywt	1	330	330	160	250
2-Methylphenol	U	200	ug/Kgdrywt	1	330	330	200	250
2,2'-Oxybis(1-Chloropropane)	U	89.	ug/Kgdrywt	1	330	330	89.	250
3&4-Methylphenol	U	190	ug/Kgdrywt	1	330	330	190	250
N-Nitroso-Di-N-Propylamine	U	83.	ug/Kgdrywt	1	330	330	83.	250
Hexachloroethane	U	96.	ug/Kgdrywt	1	330	330	96.	250
Nitrobenzene	U	91.	ug/Kgdrywt	1	330	330	91.	250
Isophorone	U	75.	ug/Kgdrywt	1	330	330	75.	250
2-Nitrophenol	U	170	ug/Kgdrywt	1	330	330	170	250
2,4-Dimethylphenol	U	160	ug/Kgdrywt	1	330	330	160	250
Bis(2-Chloroethoxy) Methane	U	96.	ug/Kgdrywt	1	330	330	96.	250
2,4-Dichlorophenol	U	150	ug/Kgdrywt	1	330	330	150	250
4-Chloroaniline	U	120	ug/Kgdrywt	1	330	330	120	250
Hexachlorobutadiene	U	83.	ug/Kgdrywt	1	330	330	83.	250
4-Chloro-3-Methylphenol	U	170	ug/Kgdrywt	1	330	330	170	250
2,4,6-Trichlorophenol	U	160	ug/Kgdrywt	1	330	330	160	250
2,4,5-Trichlorophenol	U	160	ug/Kgdrywt	1	820	820	160	620
2-Chloronaphthalene	U	87.	ug/Kgdrywt	1	330	330	87.	250
2-Nitroaniline	U	75.	ug/Kgdrywt	1	820	820	75.	620
Dimethyl Phthalate	U	78.	ug/Kgdrywt	1	330	330	78.	250
2,6-Dinitrotoluene	U	79.	ug/Kgdrywt	1	330	330	79.	250
3-Nitroaniline	U	94.	ug/Kgdrywt	1	820	820	94.	620
2,4-Dinitrophenol	U	380	ug/Kgdrywt	1	820	820	380	620
4-Nitrophenol	U	310	ug/Kgdrywt	1	820	820	310	620
Dibenzofuran	U	79.	ug/Kgdrywt	1	330	330	79.	250
2,4-Dinitrotoluene	U	85.	ug/Kgdrywt	1	330	330	85.	250
Diethylphthalate	U	80.	ug/Kgdrywt	1	330	330	80.	250
4-Chlorophenyl-Phenylether	U	78.	ug/Kgdrywt	1	330	330	78.	250
4-Nitroaniline	U	130	ug/Kgdrywt	1	820	820	130	620
4,6-Dinitro-2-Methylphenol	U	340	ug/Kgdrywt	1	820	820	340	620
N-Nitrosodiphenylamine	U	220	ug/Kgdrywt	1	330	330	220	250
4-Bromophenyl-Phenylether	U	85.	ug/Kgdrywt	1	330	330	85.	250

Report of Analytical Results

Client:
Lab ID: WG85307-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA
Report Date: 08-dec-2010 09:10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Hexachlorobenzene	U	82.	ug/Kgdrywt	1	330	330	82.	250
Pentachlorophenol	U	240	ug/Kgdrywt	1	820	820	240	620
Carbazole	U	110	ug/Kgdrywt	1	330	330	110	250
Di-N-Butylphthalate	U	100	ug/Kgdrywt	1	330	330	100	250
Butylbenzylphthalate	U	93.	ug/Kgdrywt	1	330	330	93.	250
3,3'-Dichlorobenzidine	U	110	ug/Kgdrywt	1	330	330	110	250
Bis(2-Ethylhexyl)Phthalate	U	98.	ug/Kgdrywt	1	330	330	98.	250
Di-N-Octylphthalate	U	210	ug/Kgdrywt	1	330	330	210	250
1,1'-biphenyl	U	73.	ug/Kgdrywt	1	330	330	73.	250
Hexachlorocyclopentadiene	U	82.	ug/Kgdrywt	1	330	330	82.	250
Caprolactam	U	140	ug/Kgdrywt	1	330	330	140	250
Benzaldehyde	U	120	ug/Kgdrywt	1	330	330	120	250
Atrazine	U	91.	ug/Kgdrywt	1	330	330	91.	250
Acetophenone	U	180	ug/Kgdrywt	1	330	330	180	250
2,3,4,6-Tetrachlorophenol	U	140	ug/Kgdrywt	1	330	330	140	250
1,2,4,5-Tetrachlorobenzene	U	140	ug/Kgdrywt	1	330	330	140	250
2-Fluorophenol		47.3	%					
Phenol-D6		53.7	%					
Nitrobenzene-d5		54.4	%					
2-Fluorobiphenyl		63.4	%					
2,4,6-Tribromophenol		35.7	%					
Terphenyl-d14		56.4	%					

LCS/LCSD Recovery Report

LCS ID: WG85307-2
LCSD ID: WG85307-3
Project:
SDG: CTOJM30-1
Report Date: 09-dec-2010 11:09

Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	3330	1800	54.0	1810	54.4	ug/Kgdrywt	0	20	40-100
Bis(2-Chloroethyl) Ether	1670	910.	54.5	928.	55.6	ug/Kgdrywt	2	20	40-100
2-Chlorophenol	3330	1880	56.4	1920	57.6	ug/Kgdrywt	2	20	40-100
2-Methylphenol	3330	1780	53.4	1740	52.2	ug/Kgdrywt	2	20	40-100
2,2'-Oxybis(1-Chloropropane)	1670	1140	68.3	1190	71.2	ug/Kgdrywt	4	20	20-100
3&4-Methylphenol	3330	1840	55.2	1790	53.8	ug/Kgdrywt	3	20	40-100
N-Nitroso-Di-N-Propylamine	1670	1000	59.9	1010	60.5	ug/Kgdrywt	1	20	40-100
Hexachloroethane	1670	962.	57.6	1000	59.9	ug/Kgdrywt	4	20	20-100
Nitrobenzene	1670	1020	61.1	1040	62.3	ug/Kgdrywt	2	20	40-100
Isophorone	1670	860.	51.5	846.	50.6	ug/Kgdrywt	2	20	40-100
2-Nitrophenol	3330	1860	55.8	1860	55.8	ug/Kgdrywt	0	20	40-100
2,4-Dimethylphenol	3330	1750	52.6	1790	53.8	ug/Kgdrywt	2	20	20-100
Bis(2-Chloroethoxy) Methane	1670	968.	58.0	958.	57.4	ug/Kgdrywt	1	20	40-100
2,4-Dichlorophenol	3330	2000	60.1	1930	58.0	ug/Kgdrywt	4	20	40-100
4-Chloroaniline	1670	565.	33.8	524.	31.4	ug/Kgdrywt	8	20	10-100
Hexachlorobutadiene	1670	1050	62.9	1080	64.7	ug/Kgdrywt	3	20	40-100
4-Chloro-3-Methylphenol	3330	2150	64.6	2030	61.0	ug/Kgdrywt	6	20	40-100
2,4,6-Trichlorophenol	3330	2100	63.1	2030	61.0	ug/Kgdrywt	3	20	40-100
2,4,5-Trichlorophenol	3330	2280	68.5	2170	65.2	ug/Kgdrywt	5	20	40-100
2-Chloronaphthalene	1670	903.	54.1	900.	53.9	ug/Kgdrywt	0	20	40-100
2-Nitroaniline	1670	1130	67.7	1090	65.3	ug/Kgdrywt	4	20	40-100
Dimethyl Phthalate	1670	1230	73.6	1170	70.0	ug/Kgdrywt	5	20	40-100
2,6-Dinitrotoluene	1670	1190	71.2	1130	67.7	ug/Kgdrywt	5	20	40-100
3-Nitroaniline	1670	699.	41.8	632.	37.8	ug/Kgdrywt	10	20	20-100
2,4-Dinitrophenol	3330	1230	36.9	1050	31.5	ug/Kgdrywt	16	20	10-100
4-Nitrophenol	3330	2260	67.9	2260	67.9	ug/Kgdrywt	0	20	10-100
Dibenzofuran	1670	1110	66.5	1060	63.5	ug/Kgdrywt	5	20	40-100
2,4-Dinitrotoluene	1670	1280	76.6	1220	73.0	ug/Kgdrywt	5	20	40-100
Diethylphthalate	1670	1180	70.6	1130	67.7	ug/Kgdrywt	4	20	40-100
4-Chlorophenyl-Phenylether	1670	1190	71.2	1140	68.3	ug/Kgdrywt	4	20	40-100
4-Nitroaniline	1670	833.	49.9	841.	50.4	ug/Kgdrywt	1	20	20-100
4,6-Dinitro-2-Methylphenol	3330	2080	62.5	1940	58.2	ug/Kgdrywt	7	20	20-100
N-Nitrosodiphenylamine	1670	951.	56.9	892.	53.4	ug/Kgdrywt	6	20	40-100
4-Bromophenyl-Phenylether	1670	1240	74.2	1140	68.3	ug/Kgdrywt	8	20	40-100
Hexachlorobenzene	1670	1220	73.0	1170	70.0	ug/Kgdrywt	4	20	40-100

LCS/LCSD Recovery Report

LCS ID: WG85307-2

LCSD ID: WG85307-3

Project:
SDG: CTOJM30-1

Report Date: 09-dec-2010 11:09

Received Date: 19-NOV-10

Extract Date: 19-NOV-10

Extracted By: WS

Extraction Method: SW846 3550

Lab Prep Batch: WG85307

Analysis Date: 23-NOV-10

Analyst: JCG

Analysis Method: SW846 8270C

Matrix: SL

% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Pentachlorophenol	3330	2450	73.6	2240	67.3	ug/Kgdrywt	9	20	20-100
Carbazole	1670	1200	71.8	1150	68.9	ug/Kgdrywt	4	20	40-100
Di-N-Butylphthalate	1670	1380	82.6	1260	75.4	ug/Kgdrywt	9	20	40-100
Butylbenzylphthalate	1670	1260	75.4	1170	70.0	ug/Kgdrywt	7	20	40-100
3,3'-Dichlorobenzidine	1670	668.	40.0J	628.	37.6J	ug/Kgdrywt	6	20	40-100
Bis(2-Ethylhexyl)Phthalate	1670	1220	73.0	1140	68.3	ug/Kgdrywt	7	20	40-100
Di-N-Octylphthalate	1670	1060	63.5	1000	59.9	ug/Kgdrywt	6	20	40-100
1,1'-biphenyl	1670	1120	67.1	1080	64.7	ug/Kgdrywt	4	20	40-100
Hexachlorocyclopentadiene	1670	877.	52.5	922.	55.2	ug/Kgdrywt	5	20	10-100
Caprolactam	1670	536.	32.1	496.	29.7	ug/Kgdrywt	8	20	20-100
Benzaldehyde	1670	328.	19.6	637.	38.1	ug/Kgdrywt	64*	20	10-100
Atrazine	1670	1820	109.J	1640	98.2	ug/Kgdrywt	10	20	40-100
Acetophenone	1670	981.	58.7	1020	61.1	ug/Kgdrywt	4	20	40-100
2,3,4,6-Tetrachlorophenol	3330	2400	72.1	2280	68.5	ug/Kgdrywt	5	20	40-100
1,2,4,5-Tetrachlorobenzene	1670	1060	63.5	1080	64.7	ug/Kgdrywt	2	20	40-100
2-Fluorophenol			51.5		53.7				19-81
Phenol-D6			55.8		56.1				25-82
Nitrobenzene-d5			56.6		57.4				24-81
2-Fluorobiphenyl			64.5		64.6				29-83
2,4,6-Tribromophenol			70.4		66.8				16-103
Terphenyl-d14			70.1		66.7				24-136

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85395-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: U3749 Lab Sample ID: WG85395-1

Instrument ID: GCMS-U Date Extracted: 11/22/10

Matrix: (soil/water) WATER Date Analyzed: 11/23/10

Level:(low/med) LOW Time Analyzed: 1024

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RB11171001	SD7209-10	U3755	11/23/10	1454
02	WG85395-LCS	WG85395-2	U3756	11/23/10	1538
03	WG85395-LCSD	WG85395-3	U3757	11/23/10	1623
04					
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COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85395-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85395

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 08-dec-2010 09:11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Phenol	U	1.8	ug/L	1	10	10.	1.8	7.5
Bis(2-Chloroethyl) Ether	U	2.0	ug/L	1	10	10.	2.0	7.5
2-Chlorophenol	U	3.2	ug/L	1	10	10.	3.2	7.5
2,2'-Oxybis(1-Chloropropane)	U	2.1	ug/L	1	10	10.	2.1	7.5
2-Methylphenol	U	3.8	ug/L	1	10	10.	3.8	7.5
Hexachloroethane	U	2.3	ug/L	1	10	10.	2.3	7.5
N-Nitroso-Di-N-Propylamine	U	2.0	ug/L	1	10	10.	2.0	7.5
3&4-Methylphenol	U	5.6	ug/L	1	10	10.	5.6	7.5
Nitrobenzene	U	3.1	ug/L	1	10	10.	3.1	7.5
Isophorone	U	1.7	ug/L	1	10	10.	1.7	7.5
2-Nitrophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
2,4-Dimethylphenol	U	4.4	ug/L	1	10	10.	4.4	7.5
Bis(2-Chloroethoxy) Methane	U	2.1	ug/L	1	10	10.	2.1	7.5
2,4-Dichlorophenol	U	3.0	ug/L	1	10	10.	3.0	7.5
4-Chloroaniline	U	1.9	ug/L	1	10	10.	1.9	7.5
Hexachlorobutadiene	U	1.8	ug/L	1	10	10.	1.8	7.5
4-Chloro-3-Methylphenol	U	3.6	ug/L	1	10	10.	3.6	7.5
2,4,6-Trichlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
2,4,5-Trichlorophenol	U	3.6	ug/L	1	25	25.	3.6	19.
2-Chloronaphthalene	U	2.9	ug/L	1	10	10.	2.9	7.5
2-Nitroaniline	U	1.8	ug/L	1	25	25.	1.8	19.
Dimethyl Phthalate	U	2.0	ug/L	1	10	10.	2.0	7.5
2,6-Dinitrotoluene	U	2.0	ug/L	1	10	10.	2.0	7.5
3-Nitroaniline	U	1.5	ug/L	1	25	25.	1.5	19.
2,4-Dinitrophenol	U	1.0	ug/L	1	25	25.	1.0	19.
Dibenzofuran	U	1.6	ug/L	1	10	10.	1.6	7.5
4-Nitrophenol	U	1.8	ug/L	1	25	25.	1.8	19.
2,4-Dinitrotoluene	U	2.2	ug/L	1	10	10.	2.2	7.5
Diethylphthalate	U	2.0	ug/L	1	10	10.	2.0	7.5
4-Chlorophenyl-Phenylether	U	2.2	ug/L	1	10	10.	2.2	7.5
4-Nitroaniline	U	1.6	ug/L	1	25	25.	1.6	19.
4,6-Dinitro-2-Methylphenol	U	2.0	ug/L	1	25	25.	2.0	19.
N-Nitrosodiphenylamine	U	3.7	ug/L	1	10	10.	3.7	7.5
4-Bromophenyl-Phenylether	U	1.9	ug/L	1	10	10.	1.9	7.5

Report of Analytical Results

Client:
Lab ID: WG85395-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85395

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA
Report Date: 08-dec-2010 09:11

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Hexachlorobenzene	U	2.1	ug/L	1	10	10.	2.1	7.5
Pentachlorophenol	U	2.3	ug/L	1	25	25.	2.3	19.
Carbazole	U	2.1	ug/L	1	10	10.	2.1	7.5
Di-N-Butylphthalate	U	2.5	ug/L	1	10	10.	2.5	7.5
Butylbenzylphthalate	U	1.9	ug/L	1	10	10.	1.9	7.5
3,3'-Dichlorobenzidine	U	1.1	ug/L	1	10	10.	1.1	19.
Bis(2-Ethylhexyl) Phthalate	U	1.7	ug/L	1	10	10.	1.7	7.5
Di-N-Octylphthalate	U	1.8	ug/L	1	10	10.	1.8	7.5
1,1'-Biphenyl	U	2.7	ug/L	1	10	10.	2.7	7.5
Caprolactam	U	0.40	ug/L	1	10	10.	0.40	7.5
Benzaldehyde	U	1.0	ug/L	1	10	10.	1.0	7.5
Acetophenone	U	3.9	ug/L	1	10	10.	3.9	7.5
Atrazine	U	3.3	ug/L	1	10	10.	3.3	7.5
2,3,4,6-Tetrachlorophenol	U	2.7	ug/L	1	10	10.	2.7	7.5
1,2,4,5-Tetrachlorobenzene	U	1.8	ug/L	1	10	10.	1.8	7.5
Hexachlorocyclopentadiene	U	1.2	ug/L	1	10	10.	1.2	7.5
2-Fluorophenol		38.0	%					
Phenol-D6		23.5	%					
Nitrobenzene-d5		66.9	%					
2-Fluorobiphenyl		81.2	%					
2,4,6-Tribromophenol		78.7	%					
Terphenyl-d14		67.5	%					

LCS/LCSD Recovery Report

LCS ID: WG85395-2
LCSD ID: WG85395-3
Project:
SDG: CTOJM30-1
Report Date: 09-dec-2010 11:10

Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85395

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Phenol	100.	24.2	24.2	28.8	28.8	ug/L	17	20	10-78
Bis(2-Chloroethyl) Ether	50.0	34.4	68.8	38.3	76.6	ug/L	11	20	45-95
2-Chlorophenol	100.	64.4	64.4	71.8	71.8	ug/L	11	20	44-91
2,2'-Oxybis(1-Chloropropane)	50.0	43.1	86.2	45.1	90.2	ug/L	4	20	42-100
2-Methylphenol	100.	48.9	48.9	55.8	55.8	ug/L	13	20	37-87
Hexachloroethane	50.0	36.4	72.8	41.3	82.6	ug/L	13	20	31-90
N-Nitroso-Di-N-Propylamine	50.0	38.0	76.0	39.7	79.4	ug/L	4	20	41-97
3&4-Methylphenol	100.	44.2	44.2	51.2	51.2	ug/L	15	20	28-85
Nitrobenzene	50.0	38.9	77.8	41.0	82.0	ug/L	5	20	48-95
Isophorone	50.0	31.7	63.4	33.5	67.0	ug/L	6	20	53-93
2-Nitrophenol	100.	72.7	72.7	78.4	78.4	ug/L	8	20	48-101
2,4-Dimethylphenol	100.	66.2	66.2	71.8	71.8	ug/L	8	20	51-87
Bis(2-Chloroethoxy) Methane	50.0	35.7	71.4	36.7	73.4	ug/L	3	20	40-98
2,4-Dichlorophenol	100.	70.5	70.5	77.1	77.1	ug/L	9	20	47-106
4-Chloroaniline	50.0	30.0	60.0	31.3	62.6	ug/L	4	20	34-100
Hexachlorobutadiene	50.0	38.0	76.0	43.4	86.8J	ug/L	13	20	34-86
4-Chloro-3-Methylphenol	100.	70.4	70.4	75.4	75.4	ug/L	7	20	63-101
2,4,6-Trichlorophenol	100.	76.2	76.2	78.3	78.3	ug/L	3	20	57-109
2,4,5-Trichlorophenol	100.	83.1	83.1	88.0	88.0	ug/L	6	20	53-136
2-Chloronaphthalene	50.0	33.3	66.6	34.9	69.8	ug/L	5	20	37-76
2-Nitroaniline	50.0	41.5	83.0	41.7	83.4	ug/L	0	20	56-108
Dimethyl Phthalate	50.0	18.6	37.2	27.9	55.8	ug/L	40*	20	10-111
2,6-Dinitrotoluene	50.0	42.3	84.6	43.5	87.0	ug/L	3	20	35-110
3-Nitroaniline	50.0	29.7	59.4	27.3	54.6	ug/L	8	20	46-97
2,4-Dinitrophenol	100.	95.9	95.9	75.2	75.2	ug/L	24*	20	12-143
Dibenzofuran	50.0	39.2	78.4	39.5	79.0	ug/L	1	20	62-104
4-Nitrophenol	100.	16.8	16.8	22.3	22.3	ug/L	28*	20	10-114
2,4-Dinitrotoluene	50.0	47.2	94.4	47.0	94.0	ug/L	0	20	66-123
Diethylphthalate	50.0	33.5	67.0	37.8	75.6	ug/L	12	20	58-101
4-Chlorophenyl-Phenylether	50.0	41.8	83.6	43.1	86.2	ug/L	3	20	65-100
4-Nitroaniline	50.0	36.1	72.2	37.1	74.2	ug/L	3	20	52-106
4,6-Dinitro-2-Methylphenol	100.	90.6	90.6	84.3	84.3	ug/L	7	20	52-129
N-Nitrosodiphenylamine	50.0	32.0	64.0	31.9	63.8	ug/L	0	20	52-96
4-Bromophenyl-Phenylether	50.0	42.8	85.6	42.8	85.6	ug/L	0	20	56-106
Hexachlorobenzene	50.0	43.1	86.2	43.6	87.2	ug/L	1	20	51-112

LCS/LCSD Recovery Report

LCS ID: WG85395-2
LCSD ID: WG85395-3
Project:
SDG: CTOJM30-1
Report Date: 09-dec-2010 11:10

Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85395

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Pentachlorophenol	100.	104.	104.	99.4	99.4	ug/L	4	20	41-134
Carbazole	50.0	43.1	86.2	42.3	84.6	ug/L	2	20	57-125
Di-N-Butylphthalate	50.0	46.1	92.2	47.2	94.4	ug/L	2	20	68-114
Butylbenzylphthalate	50.0	36.6	73.2	39.2	78.4	ug/L	7	20	56-129
3,3'-Dichlorobenzidine	50.0	28.7	57.4	26.7	53.4	ug/L	7	20	36-87
Bis(2-Ethylhexyl) Phthalate	50.0	42.6	85.2	40.7	81.4	ug/L	4	20	51-155
Di-N-Octylphthalate	50.0	38.9	77.8	37.5	75.0	ug/L	4	20	33-184
1,1'-Biphenyl	50.0	43.3	86.6	44.8	89.6	ug/L	3	20	51-105
Caprolactam	50.0	8.49	17.0	8.31	16.6	ug/L	2	20	10-86
Benzaldehyde	50.0	17.4	34.8	15.0	30.0	ug/L	15	20	10-189
Acetophenone	50.0	37.4	74.8	40.1	80.2	ug/L	7	20	49-102
Atrazine	50.0	74.9	150.	69.4	139.	ug/L	8	20	83-153
2,3,4,6-Tetrachlorophenol	100.	91.7	91.7	90.0	90.0	ug/L	2	20	49-119
1,2,4,5-Tetrachlorobenzene	50.0	38.8	77.6	41.6	83.2	ug/L	7	20	30-150
Hexachlorocyclopentadiene	50.0	26.5	53.0	31.9	63.8	ug/L	18	20	23-70
2-Fluorophenol			35.8		43.3				10-80
Phenol-D6			22.8		28.0				10-90
Nitrobenzene-d5			75.5		79.8				41-91
2-Fluorobiphenyl			80.8		84.6				43-90
2,4,6-Tribromophenol			90.8		93.5				37-112
Terphenyl-d14			78.6		79.8				36-156

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: UD462 DFTPP Injection Date: 11/19/10

Instrument ID: GCMS-U DFTPP Injection Time: 1033

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.4 (1.0)1
69	Less than 100.0% of mass 198	42.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	19.9
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	9.7 (83.3)2
442	40.0 - 100.0% of mass 198	61.9
443	17.0 - 23.0% of mass 442	11.6 (18.8)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U1119	U3732	11/19/10	1056
02		SSTD010U1119	U3733	11/19/10	1142
03		SSTD025U1119	U3734	11/19/10	1227
04		SSTD075U1119	U3735	11/19/10	1311
05		SSTD100U1119	U3736	11/19/10	1356
06		SSTD125U1119	U3737	11/19/10	1440
07		8270 IND CHECK	U3738	11/19/10	1525
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30

SDG No.: CTOJM30-1

Instrument ID: GCMS-U

Calibration Date(s): 11/19/10 11/19/10

Column: ZB5-MS

ID: 0.25 (mm)

Calibration Time(s): 1056

1440

LAB FILE ID: RF10: U3733 RF25: U3734 RF50: U3732
RF75: U3735 RF100: U3736 RF125: U3737

COMPOUND	RF							CURVE	COEFFICIENTS			%RSD OR R^2	MAX %RSD OR R^2
	RF10	RF25	RF50	RF75	RF100	RF125	A0		A1	A2			
Phenol	1.713	1.744	1.688	1.683	1.585	1.566	AVRG		1.66308885		4.311	30.000	
Bis(2-Chloroethyl) ether	1.404	1.402	1.227	1.302	1.163	1.136	AVRG		1.27216788		9.134	15.000	
2-Chlorophenol	1.357	1.372	1.317	1.284	1.207	1.181	AVRG		1.28636818		6.081	15.000	
2-Methylphenol	1.312	1.263	1.260	1.281	1.246	1.267	AVRG		1.27151326		1.792	15.000	
2,2'-Oxybis(1-chloropropa	1.393	1.420	1.366	1.359	1.256	1.239	AVRG		1.33867071		5.533	15.000	
3&4-Methylphenol	1.284	1.304	1.345	1.332	1.245	1.264	AVRG		1.29573889		3.001	15.000	
N-Nitroso-di-n-propylamin	0.953	0.924	0.886	0.836	0.738	0.700	AVRG		0.83939318		12.146	15.000	
Hexachloroethane	0.632	0.627	0.585	0.540	0.499	0.465	AVRG		0.55806926		12.301	15.000	
Nitrobenzene	0.370	0.372	0.346	0.326	0.314	0.304	AVRG		0.33888737		8.561	15.000	
Isophorone	0.708	0.706	0.659	0.647	0.632	0.623	AVRG		0.66259992		5.501	15.000	
2-Nitrophenol	0.180	0.191	0.189	0.183	0.175	0.174	AVRG		0.18204818		3.740	30.000	
2,4-Dimethylphenol	0.346	0.347	0.345	0.326	0.314	0.306	AVRG		0.33066355		5.522	15.000	
Bis(2-Chloroethoxy)methan	0.435	0.449	0.408	0.404	0.385	0.364	AVRG		0.40754902		7.634	15.000	
2,4-Dichlorophenol	0.269	0.285	0.280	0.278	0.266	0.258	AVRG		0.27283611		3.674	30.000	
4-Chloroaniline	0.368	0.420	0.375	0.354	0.324	0.330	AVRG		0.36196771		9.636	15.000	
Hexachlorobutadiene	0.177	0.170	0.159	0.151	0.143	0.136	AVRG		0.15588662		10.101	30.000	
4-Chloro-3-Methylphenol	0.295	0.297	0.293	0.293	0.283	0.267	AVRG		0.28801608		3.893	30.000	
2,4,6-Trichlorophenol	0.338	0.351	0.340	0.325	0.309	0.300	AVRG		0.32723762		6.044	30.000	
2,4,5-Trichlorophenol	0.340	0.342	0.344	0.338	0.319	0.303	AVRG		0.33136077		4.957	15.000	
2-Chloronaphthalene	0.390	0.416	0.378	0.313	0.305	0.308	AVRG		0.35173264		13.823	15.000	
2-Nitroaniline	0.249	0.282	0.282	0.280	0.257	0.257	AVRG		0.26807325		5.723	15.000	
Dimethyl Phthalate	1.246	1.211	1.129	1.101	1.042	1.011	AVRG		1.12321267		8.208	15.000	
2,6-Dinitrotoluene	0.270	0.275	0.267	0.257	0.246	0.237	AVRG		0.25877032		5.750	15.000	
3-Nitroaniline	0.229	0.266	0.256	0.243	0.222	0.225	AVRG		0.24019194		7.534	15.000	
2,4-Dinitrophenol	19149	83447	199180	304930	373970	449070	2ORDR	9.229e-002	4.56373814	6.07775185	0.99722	0.99000	
4-Nitrophenol	0.095	0.127	0.075	0.065	0.065	0.064	AVRG		8.197e-002		30.678	15.000	
Dibenzofuran	1.457	1.449	1.303	1.223	1.142	1.092	AVRG		1.27773545		12.014	15.000	
2,4-Dinitrotoluene	0.338	0.365	0.352	0.337	0.296	0.294	AVRG		0.33032212		8.822	15.000	
Diethylphthalate	285540	752270	1384600	2028100	2335000	2761600	2ORDR	3.89e-002	0.46492144	0.27719629	0.99821	0.99000	
4-Chlorophenyl-phenylethe	0.563	0.549	0.520	0.487	0.452	0.439	AVRG		0.50155172		10.122	15.000	
4-Nitroaniline	0.188	0.225	0.222	0.206	0.186	0.184	AVRG		0.20195370		9.105	15.000	
4,6-Dinitro-2-Methylpheno	0.109	0.132	0.132	0.128	0.124	0.121	AVRG		0.12453332		6.866	15.000	
N-Nitrosodiphenylamine	0.604	0.596	0.576	0.570	0.566	0.552	AVRG		0.57738131		3.388	30.000	
4-Bromophenyl-phenylether	0.203	0.199	0.192	0.188	0.188	0.189	AVRG		0.19314419		3.376	15.000	
Hexachlorobenzene	0.236	0.228	0.214	0.212	0.213	0.203	AVRG		0.21746691		5.576	15.000	
Pentachlorophenol	0.104	0.122	0.122	0.113	0.112	0.109	AVRG		0.11356825		6.480	30.000	
Carbazole	0.849	0.868	0.776	0.701	0.666	0.645	AVRG		0.75082684		12.601	15.000	
Di-n-butylphthalate	496910	1246900	2189600	2936500	3335600	3901500	2ORDR	-1.33e-003	0.62302402	0.18472431	0.99966	0.99000	
Butylbenzylphthalate	0.732	0.693	0.682	0.632	0.598	0.557	AVRG		0.64887852		10.040	15.000	
1,3'-Dichlorobenzidine	0.208	0.244	0.260	0.268	0.260	0.265	AVRG		0.25083309		9.055	15.000	
bis(2-Ethylhexyl)phthalat	1.003	0.934	0.937	0.865	0.803	0.765	AVRG		0.88454198		10.170	15.000	
Di-n-octylphthalate	317130	755000	1307500	1627100	2050000	2894700	2ORDR	1.658e-002	0.39809592	8.631e-002	0.99916	0.99000	
1,1'-Biphenyl	287500	703870	1289700	1865400	2257300	2657600	2ORDR	1.428e-002	0.60799260	0.25358244	0.99976	0.99000	
Caprolactam	0.078	0.112	0.113	0.120	0.118	0.117	AVRG		0.10973551		14.655	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-U Calibration Date(s): 11/19/10 11/19/10

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1056 1440

LAB FILE ID: RF10: U3733 RF25: U3734 RF50: U3732
RF75: U3735 RF100: U3736 RF125: U3737

COMPOUND	RF10	RF25	RF50	RF75	RF100	RF125	CURVE	COEFFICIENTS			%RSD OR R^2	MAX %RSD OR R^2
								A0	A1	A2		
Benzaldehyde	0.515	0.119	0.114	0.391	0.336	0.152	AVRG		0.27120691		61.806	15.000
Acetophenone	0.493	0.476	0.457	0.453	0.446	0.436	AVRG		0.46036541		4.547	15.000
Atrazine	67266	164830	288600	374250	405690	445100	2ORDR	5.205e-002	2.12078662	23.2194872	0.99618	0.99000
2,3,4,6-Tetrachlorophenol	0.264	0.281	0.264	0.254	0.242	0.230	AVRG		0.25588181		7.080	15.000
1,2,4,5-Tetrachlorobenzen	0.526	0.493	0.446	0.414	0.386	0.374	AVRG		0.43969232		13.685	15.000
Hexachlorocyclopentadiene	0.339	0.334	0.323	0.301	0.285	0.276	AVRG		0.30974299		8.473	15.000
2-Fluorophenol	1.271	1.358	1.368	1.323	1.281	1.282	AVRG		1.31393855		3.205	15.000
Phenol-D6	1.494	1.633	1.644	1.628	1.535	1.558	AVRG		1.58229084		3.910	15.000
Nitrobenzene-D5	0.374	0.387	0.369	0.356	0.346	0.350	AVRG		0.36392140		4.307	15.000
2-Fluorobiphenyl	1.209	1.182	1.069	0.988	0.928	0.894	AVRG		1.04497374		12.540	15.000
2,4,6-Tribromophenol	0.176	0.190	0.182	0.174	0.158	0.156	AVRG		0.17263619		7.787	15.000
Terphenyl-D14	0.924	0.916	0.930	0.891	0.801	0.736	AVRG		0.86618583		9.193	15.000

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: UD463 DFTPP Injection Date: 11/23/10

Instrument ID: GCMS-U DFTPP Injection Time: 0826

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	40.9
68	Less than 2.0% of mass 69	0.4 (0.8)1
69	Less than 100.0% of mass 198	49.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	57.4
197	Less than 1.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	23.8
365	1.0 - 100.0% of mass 198	2.7
441	0.0 - 100.0% of mass 443	9.4 (81.0)2
442	40.0 - 100.0% of mass 198	62.2
443	17.0 - 23.0% of mass 442	11.6 (18.6)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050U1123	U3747	11/23/10	0847
02	WG85395-BLANK	U3749	11/23/10	1024
03	WG85307-BLANK	U3750	11/23/10	1112
04	WG85307-LCS	U3753	11/23/10	1325
05	WG85307-LCSD	U3754	11/23/10	1409
06	RB11171001	U3755	11/23/10	1454
07	WG85395-LCS	U3756	11/23/10	1538
08	WG85395-LCSD	U3757	11/23/10	1623
09	SBF1-10-12-11/2010	U3758	11/23/10	1708
10	SBF1-50-55-11/2010	U3759	11/23/10	1752
11	SBF1-55-58-11/2010	U3760	11/23/10	1837
12	SBF1-61-63-11/2010	U3761	11/23/10	1922
13	SBA1-27-33-11/2010	U3762	11/23/10	2008
14				
15				
16				
17				
18				
19				
20				

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-U Calibration Date: 11/23/10 Time: 0847

Lab File ID: U3747 Init. Calib. Date(s): 11/19/10 11/19/10

Init. Calib. Times: 1056 1440

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.6630000	1.5440000	1.5440000	0.01	-7.16	20.01	AVRG
Bis(2-Chloroethyl) ether	1.2720000	1.1350000	1.1350000	0.01	-10.77	20.00	AVRG
2-Chlorophenol	1.2860000	1.2584000	1.2584000	0.01	-2.15	20.00	AVRG
2-Methylphenol	1.2720000	1.1599000	1.1599000	0.01	-8.81	20.00	AVRG
2,2'-Oxybis(1-chloropropane)	1.3390000	1.5525000	1.5525000	0.01	15.94	20.00	AVRG
3&4-Methylphenol	1.2960000	1.1955000	1.1955000	0.01	-7.75	20.00	AVRG
N-Nitroso-di-n-propylamine	0.8400000	0.8470100	0.8470100	0.05	0.83	20.00	AVRG
Hexachloroethane	0.5580000	0.5871000	0.5871000	0.01	5.22	20.00	AVRG
Nitrobenzene	0.3390000	0.3425000	0.3425000	0.01	1.03	20.00	AVRG
Isophorone	0.6620000	0.6469600	0.6469600	0.01	-2.27	20.00	AVRG
2-Nitrophenol	0.1820000	0.1805600	0.1805600	0.01	-0.79	20.01	AVRG
2,4-Dimethylphenol	0.3310000	0.3311600	0.3311600	0.01	0.05	20.00	AVRG
Bis(2-Chloroethoxy)methane	0.4080000	0.3849200	0.3849200	0.01	-5.66	20.00	AVRG
2,4-Dichlorophenol	0.2730000	0.2721600	0.2721600	0.01	-0.31	20.01	AVRG
4-Chloroaniline	0.3620000	0.3630900	0.3630900	0.01	0.30	20.00	AVRG
Hexachlorobutadiene	0.1560000	0.1684400	0.1684400	0.01	7.97	20.01	AVRG
4-Chloro-3-Methylphenol	0.2880000	0.2822600	0.2822600	0.01	-1.99	20.01	AVRG
2,4,6-Trichlorophenol	0.3270000	0.3368500	0.3368500	0.01	3.01	20.01	AVRG
2,4,5-Trichlorophenol	0.3310000	0.3540900	0.3540900	0.01	6.98	20.00	AVRG
2-Chloronaphthalene	0.3520000	0.4077900	0.4077900	0.01	15.85	20.00	AVRG
2-Nitroaniline	0.2680000	0.3029500	0.3029500	0.01	13.04	20.00	AVRG
Dimethyl Phthalate	1.1230000	1.1779000	1.1779000	0.01	4.89	20.00	AVRG
2,6-Dinitrotoluene	0.2590000	0.2712300	0.2712300	0.01	4.72	20.00	AVRG
3-Nitroaniline	0.2400000	0.2586600	0.2586600	0.01	7.78	20.00	AVRG
2,4-Dinitrophenol	54.217000	50.000000	0.1721100	0.05	8.43	20.00	2RDR
4-Nitrophenol	8.2e-002	7.57e-002	7.57e-002	0.05	-7.68	20.00	AVRG
Dibenzofuran	1.2780000	1.3692000	1.3692000	0.01	7.14	20.00	AVRG
2,4-Dinitrotoluene	0.3300000	0.3661700	0.3661700	0.01	10.96	20.00	AVRG
Diethylphthalate	55.842000	50.000000	1.2221000	0.01	11.68	20.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-U Calibration Date: 11/23/10 Time: 0847

Lab File ID: U3747 Init. Calib. Date(s): 11/19/10 11/19/10

Init. Calib. Times: 1056 1440

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.5020000	0.5225800	0.5225800	0.01	4.10	20.00	AVRG
4-Nitroaniline	0.2020000	0.2242000	0.2242000	0.01	10.99	20.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1240000	0.1318100	0.1318100	0.01	6.30	20.00	AVRG
N-Nitrosodiphenylamine	0.5770000	0.5498700	0.5498700	0.01	-4.70	20.01	AVRG
4-Bromophenyl-phenylether	0.1930000	0.1909300	0.1909300	0.01	-1.07	20.00	AVRG
Hexachlorobenzene	0.2180000	0.2244000	0.2244000	0.01	2.94	20.00	AVRG
Pentachlorophenol	0.1140000	0.1300500	0.1300500	0.01	14.08	20.01	AVRG
Carbazole	0.7510000	0.7966600	0.7966600	0.01	6.08	20.00	AVRG
Di-n-butylphthalate	55.681000	50.000000	1.2292000	0.01	11.36	20.00	2RDR
Butylbenzylphthalate	0.6490000	0.6264000	0.6264000	0.01	-3.48	20.00	AVRG
3,3'-Dichlorobenzidine	0.2510000	0.2708200	0.2708200	0.01	7.90	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8840000	0.8372000	0.8372000	0.01	-5.29	20.00	AVRG
Di-n-octylphthalate	44.441000	50.000000	1.5490000	0.01	-11.12	20.01	2RDR
1,1'-Biphenyl	56.724000	50.000000	1.1535000	0.01	13.45	20.00	2RDR
Caprolactam	0.1100000	0.1065300	0.1065300	0.01	-3.15	20.00	AVRG
Benzaldehyde	0.2710000	0.2550500	0.2550500	0.01	-5.88	20.00	AVRG
Acetophenone	0.4600000	0.4500700	0.4500700	0.01	-2.16	20.00	AVRG
Atrazine	58.130000	50.000000	0.1633600	0.01	16.26	20.00	2RDR
2,3,4,6-Tetrachlorophenol	0.2560000	0.2899800	0.2899800	0.01	13.27	20.00	AVRG
1,2,4,5-Tetrachlorobenzene	0.4400000	0.4600000	0.4600000	0.01	4.54	20.00	AVRG
Hexachlorocyclopentadiene	0.3100000	0.3517900	0.3517900	0.05	13.48	20.00	AVRG
2-Fluorophenol	1.3140000	1.2550000	1.2550000	0.01	-4.49	20.00	AVRG
Phenol-D6	1.5820000	1.5147000	1.5147000	0.01	-4.25	20.00	AVRG
Nitrobenzene-D5	0.3640000	0.3657200	0.3657200	0.01	0.47	20.00	AVRG
2-Fluorobiphenyl	1.0450000	1.1062000	1.1062000	0.01	5.86	20.00	AVRG
2,4,6-Tribromophenol	0.1730000	0.1884100	0.1884100	0.01	8.91	20.00	AVRG
Terphenyl-D14	0.8660000	0.8277200	0.8277200	0.01	-4.42	20.00	AVRG

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: UD464 DFTPP Injection Date: 11/24/10

Instrument ID: GCMS-U DFTPP Injection Time: 0954

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.5 (1.2)1
69	Less than 100.0% of mass 198	43.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.0
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	24.3
365	1.0 - 100.0% of mass 198	3.2
441	0.0 - 100.0% of mass 443	11.9 (83.7)2
442	40.0 - 100.0% of mass 198	75.6
443	17.0 - 23.0% of mass 442	14.2 (18.8)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U1124	U3772	11/24/10	1013
02	SAA1-0-2-11/2010	SD7209-6	U3773	11/24/10	1111
03	FD11171001	SD7209-7	U3774	11/24/10	1155
04	SBA1-2-4-11/2010	SD7209-8	U3775	11/24/10	1240
05	SBA1-46-47-11/2010	SD7209-9	U3776	11/24/10	1325
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FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-U Calibration Date: 11/24/10 Time: 1013

Lab File ID: U3772 Init. Calib. Date(s): 11/19/10 11/19/10

Init. Calib. Times: 1056 1440

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.6630000	1.4846000	1.4846000	0.01	-10.73	20.01	AVRG
Bis(2-Chloroethyl) ether	1.2720000	1.0991000	1.0991000	0.01	-13.59	20.00	AVRG
2-Chlorophenol	1.2860000	1.2153000	1.2153000	0.01	-5.50	20.00	AVRG
2-Methylphenol	1.2720000	1.1212000	1.1212000	0.01	-11.86	20.00	AVRG
2,2'-Oxybis(1-chloropropane)	1.3390000	1.4859000	1.4859000	0.01	10.97	20.00	AVRG
3&4-Methylphenol	1.2960000	1.1568000	1.1568000	0.01	-10.74	20.00	AVRG
N-Nitroso-di-n-propylamine	0.8400000	0.8716300	0.8716300	0.05	3.76	20.00	AVRG
Hexachloroethane	0.5580000	0.5825100	0.5825100	0.01	4.39	20.00	AVRG
Nitrobenzene	0.3390000	0.3431000	0.3431000	0.01	1.21	20.00	AVRG
Isophorone	0.6620000	0.6323100	0.6323100	0.01	-4.48	20.00	AVRG
2-Nitrophenol	0.1820000	0.1747500	0.1747500	0.01	-3.98	20.01	AVRG
2,4-Dimethylphenol	0.3310000	0.3281200	0.3281200	0.01	-0.87	20.00	AVRG
Bis(2-Chloroethoxy)methane	0.4080000	0.3761200	0.3761200	0.01	-7.81	20.00	AVRG
2,4-Dichlorophenol	0.2730000	0.2655200	0.2655200	0.01	-2.74	20.01	AVRG
4-Chloroaniline	0.3620000	0.3532800	0.3532800	0.01	-2.41	20.00	AVRG
Hexachlorobutadiene	0.1560000	0.1695800	0.1695800	0.01	8.70	20.01	AVRG
4-Chloro-3-Methylphenol	0.2880000	0.2843600	0.2843600	0.01	-1.26	20.01	AVRG
2,4,6-Trichlorophenol	0.3270000	0.3249800	0.3249800	0.01	-0.62	20.01	AVRG
2,4,5-Trichlorophenol	0.3310000	0.3455900	0.3455900	0.01	4.41	20.00	AVRG
2-Chloronaphthalene	0.3520000	0.4049400	0.4049400	0.01	15.04	20.00	AVRG
2-Nitroaniline	0.2680000	0.3028300	0.3028300	0.01	13.00	20.00	AVRG
Dimethyl Phthalate	1.1230000	1.1395000	1.1395000	0.01	1.47	20.00	AVRG
2,6-Dinitrotoluene	0.2590000	0.2649100	0.2649100	0.01	2.28	20.00	AVRG
3-Nitroaniline	0.2400000	0.2535000	0.2535000	0.01	5.62	20.00	AVRG
2,4-Dinitrophenol	49.576000	50.000000	0.1590000	0.05	-0.85	20.00	2RDR
4-Nitrophenol	8.2e-002	8.14e-002	8.14e-002	0.05	-0.73	20.00	AVRG
Dibenzofuran	1.2780000	1.3332000	1.3332000	0.01	4.32	20.00	AVRG
2,4-Dinitrotoluene	0.3300000	0.3574100	0.3574100	0.01	8.31	20.00	AVRG
Diethylphthalate	55.249000	50.000000	1.2131000	0.01	10.50	20.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-U Calibration Date: 11/24/10 Time: 1013

Lab File ID: U3772 Init. Calib. Date(s): 11/19/10 11/19/10

Init. Calib. Times: 1056 1440

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.5020000	0.5120800	0.5120800	0.01	2.01	20.00	AVRG
4-Nitroaniline	0.2020000	0.2114600	0.2114600	0.01	4.68	20.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1240000	0.1249200	0.1249200	0.01	0.74	20.00	AVRG
N-Nitrosodiphenylamine	0.5770000	0.5486700	0.5486700	0.01	-4.91	20.01	AVRG
4-Bromophenyl-phenylether	0.1930000	0.1907000	0.1907000	0.01	-1.19	20.00	AVRG
Hexachlorobenzene	0.2180000	0.2198300	0.2198300	0.01	0.84	20.00	AVRG
Pentachlorophenol	0.1140000	0.1304300	0.1304300	0.01	14.41	20.01	AVRG
Carbazole	0.7510000	0.8102900	0.8102900	0.01	7.89	20.00	AVRG
Di-n-butylphthalate	55.262000	50.000000	1.2221000	0.01	10.52	20.00	2RDR
Butylbenzylphthalate	0.6490000	0.6288800	0.6288800	0.01	-3.10	20.00	AVRG
3,3'-Dichlorobenzidine	0.2510000	0.2373900	0.2373900	0.01	-5.42	20.00	AVRG
bis(2-Ethylhexyl)phthalate	0.8840000	0.8385000	0.8385000	0.01	-5.15	20.00	AVRG
Di-n-octylphthalate	48.254000	50.000000	1.6516000	0.01	-3.49	20.01	2RDR
1,1'-Biphenyl	57.154000	50.000000	1.1599000	0.01	14.31	20.00	2RDR
Caprolactam	0.1100000	0.1022800	0.1022800	0.01	-7.02	20.00	AVRG
Benzaldehyde	0.2710000	0.2040000	0.2040000	0.01	-24.72	20.00	AVRG
Acetophenone	0.4600000	0.4361600	0.4361600	0.01	-5.18	20.00	AVRG
Atrazine	58.570000	50.000000	0.1641100	0.01	17.14	20.00	2RDR
2,3,4,6-Tetrachlorophenol	0.2560000	0.2825200	0.2825200	0.01	10.36	20.00	AVRG
1,2,4,5-Tetrachlorobenzene	0.4400000	0.4498700	0.4498700	0.01	2.24	20.00	AVRG
Hexachlorocyclopentadiene	0.3100000	0.3442200	0.3442200	0.05	11.04	20.00	AVRG
2-Fluorophenol	1.3140000	1.2116000	1.2116000	0.01	-7.79	20.00	AVRG
Phenol-D6	1.5820000	1.4545000	1.4545000	0.01	-8.06	20.00	AVRG
Nitrobenzene-D5	0.3640000	0.3600300	0.3600300	0.01	-1.09	20.00	AVRG
2-Fluorobiphenyl	1.0450000	1.0682000	1.0682000	0.01	2.22	20.00	AVRG
2,4,6-Tribromophenol	0.1730000	0.1857400	0.1857400	0.01	7.36	20.00	AVRG
Terphenyl-D14	0.8660000	0.8110700	0.8110700	0.01	-6.34	20.00	AVRG

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): U3732 Date Analyzed: 11/19/10

Instrument ID: GCMS-U Time Analyzed: 1056

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		447880	8.40	1711200	11.21	985356	15.33
UPPER LIMIT		895760	8.90	3422400	11.71	1970712	15.83
LOWER LIMIT		223940	7.90	855600	10.71	492678	14.83
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====	=====	=====	=====	=====	=====	=====	=====
01	SSTD050U1123	328394	8.39	1269646	11.20	731650	15.31
02	WG85395-BLANK	361278	8.39	1383882	11.19	757629	15.31
03	WG85307-BLANK	362424	8.39	1405767	11.20	778393	15.31
04	WG85307-LCS	386880	8.39	1468826	11.20	843580	15.31
05	WG85307-LCSD	396964	8.39	1505398	11.20	845677	15.31
06	RB11171001	356275	8.39	1340473	11.19	740889	15.31
07	WG85395-LCS	334296	8.39	1277336	11.19	727388	15.31
08	WG85395-LCSD	369997	8.39	1402702	11.20	794703	15.31
09	SBF1-10-12-11/2010	376806	8.39	1456406	11.19	821974	15.31
10	SBF1-50-55-11/2010	349469	8.39	1373603	11.19	762599	15.31
11	SBF1-55-58-11/2010	397263	8.39	1522273	11.19	849328	15.31
12	SBF1-61-63-11/2010	371612	8.39	1423473	11.19	809321	15.31
13	SBAL-27-33-11/2010	377029	8.39	1466176	11.19	827147	15.31
14	SSTD050U1124	359000	8.39	1377585	11.20	805307	15.31
15	SAA1-0-2-11/2010	346729	8.39	1356334	11.19	776469	15.31
16	FD11171001	342990	8.39	1317591	11.19	742932	15.31
17	SBAL-2-4-11/2010	354708	8.39	1381949	11.19	782060	15.31
18	SBAL-46-47-11/2010	368591	8.39	1423545	11.19	812641	15.31
19							
20							

IS1 (DCB) = 1,4-Dichlorobenzene-D4
 IS2 (NPT) = Naphthalene-D8
 IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): U3732 Date Analyzed: 11/19/10

Instrument ID: GCMS-U Time Analyzed: 1056

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
=====		=====	=====	=====	=====	=====	=====
12 HOUR STD		1526801	18.85	796965	25.14	595765	28.27
UPPER LIMIT		3053602	19.35	1593930	25.64	1191530	28.77
LOWER LIMIT		763401	18.35	398483	24.64	297883	27.77
=====		=====	=====	=====	=====	=====	=====
CLIENT SAMPLE	LAB SAMPLE						
ID	ID						
=====		=====	=====	=====	=====	=====	=====
01	SSTD050U1123	1230679	18.83	849749	25.13	688628	28.27
02	WG85395-BLANK	1256857	18.82	1095543	25.12	817452	28.27
03	WG85307-BLANK	1284373	18.82	1126295	25.13	849062	28.27
04	WG85307-LCS	1395049	18.83	1066833	25.13	799444	28.27
05	WG85307-LCSD	1422861	18.83	1067063	25.13	816645	28.27
06	RB11171001	1201109	18.82	901030	25.13	637818	28.27
07	WG85395-LCS	1261735	18.83	1017686	25.13	765935	28.27
08	WG85395-LCSD	1373641	18.83	1078500	25.13	836959	28.27
09	SBF1-10-12-11/2010	1372008	18.83	1167832	25.13	873789	28.27
10	SBF1-50-55-11/2010	1261741	18.82	1120559	25.13	803577	28.27
11	SBF1-55-58-11/2010	1390509	18.82	1206218	25.13	900001	28.27
12	SBF1-61-63-11/2010	1343253	18.82	1127015	25.12	777510	28.27
13	SBA1-27-33-11/2010	1391633	18.82	1252030	25.13	927428	28.27
14	SSTD050U1124	1347524	18.84	984696	25.13	726238	28.27
15	SAA1-0-2-11/2010	1308086	18.82	948493	25.12	656502	28.27
16	FD11171001	1263825	18.82	1014585	25.12	747669	28.27
17	SBA1-2-4-11/2010	1330994	18.82	1132127	25.12	818440	28.27
18	SBA1-46-47-11/2010	1387629	18.82	1088703	25.13	697166	28.28
19							
20							

IS4 (PHN) = Phenanthrene-D10
 IS5 (CRY) = Chrysene-D12
 IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 2
SOIL PESTICIDE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG85305-BLANK	WG85305-1	40	41	71	71			0
02	WG85305-LCS	WG85305-2	53	53	76	75			0
03	WG85305-LCSD	WG85305-3	57	56	78	79			0
04	SBF1-10-12'-11/2010	SD7209-1	58	57	86	82			0
05	SBF1-50-55'-11/2010	SD7209-2	43	41	72	72			0
06	SBF1-55-58'-11/2010	SD7209-3	50	48	73	70			0
07	SBF1-61-63'-11/2010	SD7209-4	48	47	74	72			0
08	SBA1-27-33'-11/2010	SD7209-5	53	51	74	72			0
09	SAA1-0-2-11/2010	SD7209-6	70	68	83	83			0
10	FD11171001	SD7209-7	60	58	81	77			0
11	SBA1-2-4'-11/2010	SD7209-8	75	72	102*	98			1
12	SBA1-46-47'-11/2010	SD7209-9	51	49	76	74			0
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-Xylene (32- 89)
S2 (DCB) = Decachlorobiphenyl (44- 99)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

FORM 2
WATER PESTICIDE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column(1): ZB-MULTIRESIDUE-1ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG85427-BLANK	WG85427-1	74	73	75	75			0
02	WG85427-LCS	WG85427-2	98	96	82	81			0
03	WG85427-LCSD	WG85427-3	83	81	69	70			0
04	RB11171001	SD7209-10	88	89	63	64			0
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-Xylene (48-112)
S2 (DCB) = Decachlorobiphenyl (41-131)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 4
 PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85305-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab Sample ID: WG85305-1 Lab File ID: 1DK00083

Matrix (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 11/19/10

Date Analyzed (1): 11/29/10 Date Analyzed (2): 11/29/10

Time Analyzed (1): 2152 Time Analyzed (2): 2152

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG85305-LCS	WG85305-2	1DK00084	11/29/10	11/29/10
02	WG85305-LCSD	WG85305-3	1DK00085	11/29/10	11/29/10
03	SBF1-10-12'-11/2010	SD7209-1	1DL00004	12/01/10	12/01/10
04	SBF1-50-55'-11/2010	SD7209-2	1DL00005	12/01/10	12/01/10
05	SBF1-55-58'-11/2010	SD7209-3	1DL00006	12/01/10	12/01/10
06	SBF1-61-63'-11/2010	SD7209-4	1DL00007	12/01/10	12/01/10
07	SBA1-27-33'-11/2010	SD7209-5	1DL00008	12/01/10	12/01/10
08	SAA1-0-2-11/2010	SD7209-6	1DL00009	12/01/10	12/01/10
09	FD11171001	SD7209-7	1DL00010	12/01/10	12/01/10
10	SBA1-2-4'-11/2010	SD7209-8	1DL00011	12/01/10	12/01/10
11	SBA1-46-47'-11/2010	SD7209-9	1DL00012	12/01/10	12/01/10
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

Report of Analytical Results

Client:
Lab ID: WG85305-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: NA
Report Date: 08-dec-2010 12:02

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.068	ug/Kgdrywt	1	1.7	0.34	0.068	0.17
gamma-BHC	U	0.054	ug/Kgdrywt	1	1.7	0.34	0.054	0.17
Heptachlor	U	0.058	ug/Kgdrywt	1	1.7	0.34	0.058	0.17
Aldrin	U	0.056	ug/Kgdrywt	1	1.7	0.34	0.056	0.17
beta-BHC	U	0.066	ug/Kgdrywt	1	1.7	0.34	0.066	0.17
delta-BHC	U	0.064	ug/Kgdrywt	1	1.7	0.34	0.064	0.17
Heptachlor Epoxide	U	0.044	ug/Kgdrywt	1	1.7	0.34	0.044	0.17
Endosulfan I	U	0.048	ug/Kgdrywt	1	1.7	0.34	0.048	0.17
Gamma-Chlordane	U	0.046	ug/Kgdrywt	1	1.7	0.34	0.046	0.17
Alpha-Chlordane	U	0.042	ug/Kgdrywt	1	1.7	0.34	0.042	0.17
4,4'-DDE	U	0.038	ug/Kgdrywt	1	3.3	0.66	0.038	0.33
Dieldrin	U	0.044	ug/Kgdrywt	1	3.3	0.66	0.044	0.33
Endrin	U	0.17	ug/Kgdrywt	1	3.3	0.66	0.17	0.33
4,4'-DDD	U	0.040	ug/Kgdrywt	1	3.3	0.66	0.040	0.33
Endosulfan II	U	0.068	ug/Kgdrywt	1	3.3	0.66	0.068	0.33
4,4'-DDT	U	0.062	ug/Kgdrywt	1	3.3	0.66	0.062	0.33
Endrin Aldehyde	U	0.098	ug/Kgdrywt	1	3.3	0.66	0.098	0.33
Endosulfan Sulfate	U	0.12	ug/Kgdrywt	1	3.3	0.66	0.12	0.33
Methoxychlor	U	0.10	ug/Kgdrywt	1	17	3.4	0.10	1.7
Toxaphene	U	1.4	ug/Kgdrywt	1	33	6.6	1.4	3.2
Tetrachloro-M-Xylene		40.8	%					
Decachlorobiphenyl		71.2	%					

LCS/LCSD Recovery Report

LCS ID: WG85305-2
LCSD ID: WG85305-3
Project:
SDG: CTOJM30-1
Report Date: 08-DEC-10

Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85305

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
alpha-BHC	3.34	3.30	98.81	2.51	75.1	ug/Kgdrywt	27	50	31-128
gamma-BHC	3.34	2.41	72.2	2.37	71.0	ug/Kgdrywt	2	50	47-98
Heptachlor	3.34	2.33	69.8	2.26	67.7	ug/Kgdrywt	3	50	47-101
Aldrin	3.34	2.16	64.7	2.15	64.4	ug/Kgdrywt	0	50	46-91
beta-BHC	3.34	2.71	81.1	2.68	80.2	ug/Kgdrywt	1	50	53-106
delta-BHC	3.34	3.00	89.8	3.04	91.0	ug/Kgdrywt	1	50	34-123
Heptachlor Epoxide	3.34	2.37	71.0	2.40	71.8	ug/Kgdrywt	1	50	50-96
Endosulfan I	3.34	2.28	68.3	2.30	68.9	ug/Kgdrywt	1	50	23-80
Gamma-Chlordane	3.34	2.39	71.6	2.43	72.8	ug/Kgdrywt	2	50	54-96
Alpha-Chlordane	3.34	2.38	71.2	2.46	73.6	ug/Kgdrywt	3	50	32-131
4,4'-DDE	3.34	2.42	72.4	2.53	75.7	ug/Kgdrywt	4	50	52-103
Dieldrin	3.34	2.40	71.8	2.44	73.0	ug/Kgdrywt	2	50	39-115
Endrin	3.34	2.49	74.6	2.62	78.4	ug/Kgdrywt	5	50	19-148
4,4'-DDD	3.34	2.54	76.0	2.66	79.6	ug/Kgdrywt	5	50	48-111
Endosulfan II	3.34	2.41	72.2	2.61	78.1	ug/Kgdrywt	8	50	33-87
4,4'-DDT	3.34	2.37	71.0	2.53	75.7	ug/Kgdrywt	6	50	39-112
Endrin Aldehyde	3.34	1.92	57.5	1.73	51.8	ug/Kgdrywt	10	50	34-91
Endosulfan Sulfate	3.34	3.08	92.2	3.20	95.8	ug/Kgdrywt	4	50	11-143
Methoxychlor	3.34	2.54	76.0	2.63	78.7	ug/Kgdrywt	3	50	28-142
Tetrachloro-M-Xylene			53.2		56.8				32-89
Decachlorobiphenyl			76.6		79.0				44-99

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85427-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab Sample ID: WG85427-1 Lab File ID: 1DK00079

Matrix (soil/water) WATER Extraction: (SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 11/22/10

Date Analyzed (1): 11/29/10 Date Analyzed (2): 11/29/10

Time Analyzed (1): 2042 Time Analyzed (2): 2042

Instrument ID (1): GC01 Instrument ID (2): GC01

GC Column (1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG85427-LCS	WG85427-2	1DK00080	11/29/10	11/29/10
02	WG85427-LCSD	WG85427-3	1DK00081	11/29/10	11/29/10
03	RB11171001	SD7209-10	1DK00082	11/29/10	11/29/10
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

Report of Analytical Results

Client:
 Lab ID: WG85427-1
 Client ID: Method Blank Sample
 Project:
 SDG: CTOJM30-1

Sample Date:
 Received Date: 22-NOV-10
 Extract Date: 22-NOV-10
 Extracted By: KF
 Extraction Method: SW846 3510
 Lab Prep Batch: WG85427

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA
Report Date: 08-dec-2010 11:57

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
alpha-BHC	U	0.0014	ug/L	1	.05	0.010	0.0014	0.0050
Gamma-BHC	U	0.0014	ug/L	1	.05	0.010	0.0014	0.0050
Heptachlor	U	0.0016	ug/L	1	.05	0.010	0.0016	0.0050
Aldrin	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
beta-BHC	U	0.0013	ug/L	1	.05	0.010	0.0013	0.0050
delta-BHC	U	0.0026	ug/L	1	.05	0.010	0.0026	0.0050
Heptachlor Epoxide	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
Endosulfan I	U	0.0013	ug/L	1	.05	0.010	0.0013	0.0050
Gamma-Chlordane	U	0.0012	ug/L	1	.05	0.010	0.0012	0.0050
Alpha-Chlordane	U	0.0015	ug/L	1	.05	0.010	0.0015	0.0050
4,4'-DDE	U	0.00098	ug/L	1	.1	0.020	0.00098	0.010
Dieldrin	U	0.0013	ug/L	1	.1	0.020	0.0013	0.010
Endrin	U	0.0017	ug/L	1	.1	0.020	0.0017	0.010
4,4'-DDD	U	0.0018	ug/L	1	.1	0.020	0.0018	0.010
Endosulfan II	U	0.0011	ug/L	1	.1	0.020	0.0011	0.010
4,4'-DDT	U	0.0018	ug/L	1	.1	0.020	0.0018	0.010
Endrin Aldehyde	U	0.0012	ug/L	1	.1	0.020	0.0012	0.010
Endosulfan Sulfate	U	0.0013	ug/L	1	.1	0.020	0.0013	0.010
Methoxychlor	U	0.0017	ug/L	1	.5	0.10	0.0017	0.050
Toxaphene	U	0.034	ug/L	1	1	0.20	0.034	0.10
Tetrachloro-M-Xylene		73.5	%					
Decachlorobiphenyl		74.5	%					

LCS/LCSD Recovery Report

LCS ID: WG85427-2
LCSD ID: WG85427-3
Project:
SDG: CTOJM30-1
Report Date: 09-DEC-10

Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85427

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8081A
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
alpha-BHC	0.100	0.106	106.J	0.0898	89.8	ug/L	15	30	66-104
Gamma-BHC	0.100	0.102	102.	0.0889	88.9	ug/L	14	30	67-105
Heptachlor	0.100	0.0986	98.6	0.0850	85.0	ug/L	15	30	55-110
Aldrin	0.100	0.0919	91.9	0.0796	79.6	ug/L	14	30	58-98
beta-BHC	0.100	0.105	105.	0.0929	92.9	ug/L	12	30	68-115
delta-BHC	0.100	0.113	113.	0.0975	97.5	ug/L	15	30	61-117
Heptachlor Epoxide	0.100	0.0972	97.2	0.0854	85.4	ug/L	13	30	73-98
Endosulfan I	0.100	0.0934	93.4J	0.0809	80.9J	ug/L	14	30	40-70
Gamma-Chlordane	0.100	0.0981	98.1	0.0824	82.4	ug/L	17	30	72-101
Alpha-Chlordane	0.100	0.0981	98.1	0.0846	84.6	ug/L	15	30	73-100
4,4'-DDE	0.100	0.0960	96.0	0.0819	81.9	ug/L	16	30	64-105
Dieldrin	0.100	0.0963	96.3	0.0838	83.8	ug/L	14	30	72-97
Endrin	0.100	0.103	103	0.0882	88.2	ug/L	15	30	70-103
4,4'-DDD	0.100	0.0973	97.3	0.0850	85.0	ug/L	13	30	64-108
Endosulfan II	0.100	0.0949	94.9J	0.0841	84.1J	ug/L	12	30	50-79
4,4'-DDT	0.100	0.0972	97.2	0.0798	79.8	ug/L	20	30	51-103
Endrin Aldehyde	0.100	0.0911	91.1	0.0812	81.2	ug/L	11	30	64-103
Endosulfan Sulfate	0.100	0.117	117.J	0.102	102.	ug/L	14	30	61-113
Methoxychlor	0.100	0.102	102.	0.0873	87.3	ug/L	16	30	54-118
Tetrachloro-M-Xylene			97.5		83.0				48-112
Decachlorobiphenyl			82.5		70.5				41-131

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)Init. Calib. Date(s): 11/29/10 11/29/10

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION							
		TCX: 3.32		DCB: 10.97			
CLIENT	LAB	DATE	TIME	TCX	DCB		
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#	#
=====							
01	EVAL	11/29/10	1124				
02	INDAB 0.05	11/29/10	1142	3.33	10.97		
03	INDAB 0.005	11/29/10	1159	3.33	10.97		
04	INDAB 0.01	11/29/10	1217	3.33	10.97		
05	INDAB 0.025	11/29/10	1234	3.33	10.97		
06	INDAB 0.1	11/29/10	1252	3.33	10.97		
07	INDAB 0.25	11/29/10	1309	3.33	10.97		
08	IND 0.05	11/29/10	1326				
09	TOX 1.0	11/29/10	1528				
10	INDAB 0.05	11/29/10	1915	3.33	10.98		
11	WG85427-BLAN	WG85427-1	11/29/10	2042	3.33	10.98	
12	WG85427-LCS	WG85427-2	11/29/10	2059	3.33	10.98	
13	WG85427-LCSD	WG85427-3	11/29/10	2117	3.34	10.98	
14	RB11171001	SD7209-10	11/29/10	2134	3.34	10.98	
15	WG85305-BLAN	WG85305-1	11/29/10	2152	3.33	10.98	
16	WG85305-LCS	WG85305-2	11/29/10	2209	3.33	10.98	
17	WG85305-LCSD	WG85305-3	11/29/10	2227	3.33	10.98	
18	INDAB 0.025	11/29/10	2244	3.33	10.98		
19	EVAL	12/01/10	1302				
20	INDAB 0.05	12/01/10	1319	3.33	10.98		

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 3.19	DCB: 10.76			
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
=====						
01	EVAL	11/29/10	1124			
02	INDAB 0.05	11/29/10	1142	3.19	10.76	
03	INDAB 0.005	11/29/10	1159	3.19	10.76	
04	INDAB 0.01	11/29/10	1217	3.19	10.76	
05	INDAB 0.025	11/29/10	1234	3.19	10.76	
06	INDAB 0.1	11/29/10	1252	3.19	10.76	
07	INDAB 0.25	11/29/10	1309	3.19	10.76	
08	IND 0.05	11/29/10	1326			
09	TOX 1.0	11/29/10	1528			
10	INDAB 0.05	11/29/10	1915	3.19	10.76	
11	WG85427-BLAN	WG85427-1	11/29/10	2042	3.20	10.76
12	WG85427-LCS	WG85427-2	11/29/10	2059	3.20	10.76
13	WG85427-LCSD	WG85427-3	11/29/10	2117	3.20	10.76
14	RB11171001	SD7209-10	11/29/10	2134	3.20	10.76
15	WG85305-BLAN	WG85305-1	11/29/10	2152	3.19	10.76
16	WG85305-LCS	WG85305-2	11/29/10	2209	3.20	10.76
17	WG85305-LCSD	WG85305-3	11/29/10	2227	3.19	10.76
18	INDAB 0.025	11/29/10	2244	3.19	10.76	
19	EVAL	12/01/10	1302			
20	INDAB 0.05	12/01/10	1319	3.19	10.76	

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 3.32		DCB: 10.97		
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
01	SBF1-10-12'-	SD7209-1	12/01/10	1411	3.33	10.98
02	SBF1-50-55'-	SD7209-2	12/01/10	1429	3.33	10.98
03	SBF1-55-58'-	SD7209-3	12/01/10	1446	3.33	10.98
04	SBF1-61-63'-	SD7209-4	12/01/10	1503	3.33	10.98
05	SBA1-27-33'-	SD7209-5	12/01/10	1521	3.33	10.98
06	SAA1-0-2-11/	SD7209-6	12/01/10	1538	3.33	10.98
07	FD11171001	SD7209-7	12/01/10	1556	3.33	10.98
08	SBA1-2-4'-11	SD7209-8	12/01/10	1613	3.33	10.98
09	SBA1-46-47'-	SD7209-9	12/01/10	1631	3.33	10.98
10		INDAB 0.025	12/01/10	1648	3.32	10.97
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Instrument ID: GC01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 3.19		DCB: 10.76		
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SBF1-10-12'-	SD7209-1	12/01/10	1411	3.18	10.76
02	SBF1-50-55'-	SD7209-2	12/01/10	1429	3.19	10.76
03	SBF1-55-58'-	SD7209-3	12/01/10	1446	3.19	10.76
04	SBF1-61-63'-	SD7209-4	12/01/10	1503	3.19	10.76
05	SBA1-27-33'-	SD7209-5	12/01/10	1521	3.19	10.76
06	SAA1-0-2-11/	SD7209-6	12/01/10	1538	3.19	10.76
07	FD11171001	SD7209-7	12/01/10	1556	3.19	10.76
08	SBA1-2-4'-11	SD7209-8	12/01/10	1613	3.19	10.76
09	SBA1-46-47'-	SD7209-9	12/01/10	1631	3.19	10.76
10		INDAB 0.025	12/01/10	1648	3.19	10.76
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-Xylene (+/- 0.07 MINUTES)

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date(s): 11/29/10 11/29/10

Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Calibration Time(s): 1142 1546

LAB FILE ID: RF0.005: 1DK00056 RF0.01: 1DK00057 RF0.025: 1DK00058
RF0.05: 1DK00062 RF0.1: 1DK00059 RF0.25: 1DK00060

COMPOUND	RF0.005 RF0.01 RF0.025 RF0.05 RF0.1 RF0.25 CURVE							COEFFICIENTS			%RSD	MAX %RSD
	A0	A1	A2	OR R^2	OR R^2							
alpha-BHC	33097	80808	177920	457020	963680	2400100	2ORDR	2.323e-003	1.029e-007	1.087e-016	0.99941	0.99000
gamma-BHC	30003	72240	167070	415360	845800	2128300	2ORDR	1.849e-003	1.171e-007	-2.75e-016	0.99964	0.99000
Heptachlor	26172	61637	152570	369960	697140	1821400	2ORDR	1.002e-003	1.421e-007	-2.95e-015	0.99961	0.99000
Aldrin	28562	65893	175080	381040	759920	1942800	2ORDR	9.839e-004	1.314e-007	-1.67e-015	0.99994	0.99000
beta-BHC	12255	27358	67798	149350	312260	833840	2ORDR	1.081e-003	3.313e-007	-3.95e-014	0.99991	0.99000
delta-BHC	18325	45686	114550	288440	622100	1713600	2ORDR	2.44e-003	1.67e-007	-1.32e-014	0.99956	0.99000
Heptachlor Epoxide	26183	61189	158210	333670	656830	1667500	2ORDR	5.592e-004	1.515e-007	-1.13e-015	0.99996	0.99000
Endosulfan I	22711	51763	143920	295730	578460	1461300	2ORDR	5.548e-004	1.708e-007	-5.44e-017	0.99995	0.99000
gamma-Chlordane	24833	57299	160760	322970	645590	1642500	2ORDR	5.955e-004	1.546e-007	-1.69e-015	0.99997	0.99000
alpha-Chlordane	25284	58272	156270	310940	631530	1577500	2ORDR	5.956e-004	1.576e-007	3.389e-016	0.99998	0.99000
4,4'-DDE	19955	47325	144790	287060	567850	1492300	2ORDR	5.924e-004	1.774e-007	-6.86e-015	0.99989	0.99000
Dieldrin	23522	55382	157520	326350	639940	1609700	2ORDR	7.825e-004	1.537e-007	7.086e-016	0.99994	0.99000
Endrin	20313	48202	133820	270650	544340	1401500	2ORDR	6.472e-004	1.848e-007	-4.92e-015	0.99997	0.99000
4,4'-DDD	13332	31985	104060	204110	401050	1107900	2ORDR	4.853e-004	2.555e-007	-2.73e-014	0.99978	0.99000
Endosulfan II	19031	43906	123060	246380	499280	1320700	2ORDR	5.284e-004	2.047e-007	-1.2e-014	0.99997	0.99000
4,4'-DDT	12888	29523	89908	209080	369600	1048500	2ORDR	5.361e-004	2.706e-007	-3.1e-014	0.99895	0.99000
Endrin Aldehyde	9891	23016	63664	127480	250170	682300	2ORDR	5.643e-005	4.113e-007	-6.57e-014	0.99989	0.99000
Endosulfan sulfate	8177	20379	61185	130330	274830	809090	2ORDR	1.38e-003	3.863e-007	-9.77e-014	0.99994	0.99000
Methoxychlor	6719	14799	42647	92390	159810	441530	2ORDR	-3.56e-004	6.199e-007	-1.18e-013	0.99881	0.99000
Toxaphene				54516			2ORDR	0.00000000	1.834e-005	0.00000000	1.00000	0.99000 <-
(2)				47926			2ORDR	0.00000000	2.087e-005	0.00000000	1.00000	0.99000 <-
(3)				59941			2ORDR	0.00000000	1.668e-005	0.00000000	1.00000	0.99000 <-
(4)				68503			2ORDR	0.00000000	1.46e-005	0.00000000	1.00000	0.99000 <-
(5)				81253			2ORDR	0.00000000	1.231e-005	0.00000000	1.00000	0.99000 <-
(6)				74223			2ORDR	0.00000000	1.347e-005	0.00000000	1.00000	0.99000 <-
(7)				101970			2ORDR	0.00000000	9.807e-006	0.00000000	1.00000	0.99000 <-
(8)				92438			2ORDR	0.00000000	1.082e-005	0.00000000	1.00000	0.99000 <-
(9)				102480			2ORDR	0.00000000	9.758e-006	0.00000000	1.00000	0.99000 <-
(10)				42514			2ORDR	0.00000000	2.352e-005	0.00000000	1.00000	0.99000 <-
Tetrachloro-m-Xylene	25549	57801	148280	315920	622910	1592500	2ORDR	5.538e-004	1.605e-007	-2.44e-015	0.99996	0.99000
Decachlorobiphenyl	15790	34443	86485	161520	311240	790430	2ORDR	-9.04e-004	3.215e-007	-4.87e-015	0.99984	0.99000

FORM VI PESTICIDE

Calibration History

Method : \\target server\gg\chem\gc01.i\GC01DK29.b\PEST050.m
 Start Cal Date: 29-NOV-2010 11:42
 End Cal Date : 29-NOV-2010 15:46
 Last Cal Level: 1
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.00500		
29-NOV-2010 14:01	hex	1DK00056.D
29-NOV-2010 11:59	ICAL	1DK00049.D
Cal Level: 2 , Cal Amount: 0.01000		
29-NOV-2010 14:19	hex	1DK00057.D
29-NOV-2010 12:17	ICAL	1DK00050.D
Cal Level: 3 , Cal Amount: 0.02500		
29-NOV-2010 14:36	hex	1DK00058.D
29-NOV-2010 12:34	ICAL	1DK00051.D
Cal Level: 4 , Cal Amount: 0.05000		
29-NOV-2010 15:46	TC	1DK00062.D
29-NOV-2010 15:28	Tox	1DK00061.D
29-NOV-2010 13:44	hex	1DK00055.D
29-NOV-2010 11:42	ICAL	1DK00048.D
Cal Level: 5 , Cal Amount: 0.10000		
29-NOV-2010 14:54	hex	1DK00059.D
29-NOV-2010 12:52	ICAL	1DK00052.D
Cal Level: 6 , Cal Amount: 0.25000		
29-NOV-2010 15:11	hex	1DK00060.D
29-NOV-2010 13:09	ICAL	1DK00053.D

Continuing Calibration
 Ccal Level Mode: BY SAMPLE

29-NOV-2010 19:32	hex	1DK00075.D
29-NOV-2010 19:15	cv	1DK00074.D
29-NOV-2010 13:26	IND	1DK00054.D

FORM 6
PESTICIDE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date(s): 11/29/10 11/29/10

Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Calibration Time(s): 1142 1546

LAB FILE ID: RF0.005: 1DK00056 RF0.01: 1DK00057 RF0.025: 1DK00058
RF0.05: 1DK00062 RF0.1: 1DK00059 RF0.25: 1DK00060

COMPOUND	RF0.005							CURVE	COEFFICIENTS			%RSD	MAX %RSD
	RF0.005	RF0.01	RF0.025	RF0.05	RF0.1	RF0.25	A0		A1	A2	OR R^2		
alpha-BHC	46570	112930	272960	651200	1293900	3221400	2ORDR	1.513e-003	7.572e-008	4.349e-016	0.99977	0.99000	
gamma-BHC	41492	99574	227480	554420	1102400	2794800	2ORDR	1.396e-003	9.e-008	-3.81e-016	0.99972	0.99000	
Heptachlor	34291	78424	197780	464950	862460	2234100	2ORDR	9.922e-004	1.108e-007	3.175e-016	0.99973	0.99000	
Aldrin	37586	87216	227600	471850	934050	2323600	2ORDR	6.015e-004	1.055e-007	8.038e-016	0.99998	0.99000	
beta-BHC	18081	41658	100400	216510	433020	1133900	2ORDR	4.688e-004	2.353e-007	-1.34e-014	0.99996	0.99000	
delta-BHC	28413	69117	203380	431180	881940	2349500	2ORDR	1.256e-003	1.157e-007	-4.17e-015	0.99994	0.99000	
Heptachlor Epoxide	32107	74790	203180	414020	809970	2053400	2ORDR	4.127e-004	1.224e-007	-4.17e-016	0.99995	0.99000	
Endosulfan I	27908	64987	181100	354580	706760	1768800	2ORDR	4.314e-004	1.4e-007	6.229e-016	0.99997	0.99000	
gamma-Chlordane	31019	72520	201500	399430	785740	2043500	2ORDR	2.144e-004	1.282e-007	-2.89e-015	0.99993	0.99000	
alpha-Chlordane	30558	70260	187860	377580	754020	1915800	2ORDR	4.117e-004	1.327e-007	-1.25e-015	0.99998	0.99000	
4,4'-DDE	27326	64792	190050	380450	741020	1926600	2ORDR	4.191e-004	1.35e-007	-2.78e-015	0.99988	0.99000	
Dieldrin	29066	68819	191840	387610	772820	1978200	2ORDR	5.945e-004	1.295e-007	-1.71e-015	0.99997	0.99000	
Endrin	25649	58030	161190	323380	638310	1664300	2ORDR	2.902e-004	1.582e-007	-4.85e-015	0.99994	0.99000	
4,4'-DDD	19765	47052	137030	276830	555670	1497800	2ORDR	6.082e-004	1.845e-007	-1.2e-014	0.99994	0.99000	
Endosulfan II	24354	55584	144370	301890	594970	1565600	2ORDR	3.268e-004	1.707e-007	-7.12e-015	0.99995	0.99000	
4,4'-DDT	18812	43947	124430	278840	526900	1420600	2ORDR	7.403e-004	1.908e-007	-1.07e-014	0.99969	0.99000	
Endrin Aldehyde	14477	33599	86036	176310	352850	949340	2ORDR	1.885e-004	2.923e-007	-3.07e-014	0.99997	0.99000	
Endosulfan sulfate	13525	32459	95418	190790	393780	1118000	2ORDR	6.743e-004	2.671e-007	-3.94e-014	0.99995	0.99000	
Methoxychlor	9495	21640	59364	124370	228640	617980	2ORDR	-1.99e-004	4.397e-007	-5.58e-014	0.99954	0.99000	
Toxaphene				69110			2ORDR	0.0000000	1.447e-005	0.0000000	1.00000	0.99000 <-	
(2)				63891			2ORDR	0.0000000	1.565e-005	0.0000000	1.00000	0.99000 <-	
(3)				59619			2ORDR	0.0000000	1.677e-005	0.0000000	1.00000	0.99000 <-	
(4)				108560			2ORDR	0.0000000	9.212e-006	0.0000000	1.00000	0.99000 <-	
(5)				70046			2ORDR	0.0000000	1.428e-005	0.0000000	1.00000	0.99000 <-	
(6)				141620			2ORDR	0.0000000	7.061e-006	0.0000000	1.00000	0.99000 <-	
(7)				86037			2ORDR	0.0000000	1.162e-005	0.0000000	1.00000	0.99000 <-	
(8)				77978			2ORDR	0.0000000	1.282e-005	0.0000000	1.00000	0.99000 <-	
(9)				118100			2ORDR	0.0000000	8.467e-006	0.0000000	1.00000	0.99000 <-	
(10)				63738			2ORDR	0.0000000	1.569e-005	0.0000000	1.00000	0.99000 <-	
Tetrachloro-m-Xylene	35631	81307	195740	435230	863610	2199300	2ORDR	7.516e-004	1.158e-007	-1.12e-015	0.99991	0.99000	
Decachlorobiphenyl	19606	42743	109370	211080	393780	1016400	2ORDR	-9.25e-004	2.532e-007	-6.02e-015	0.99970	0.99000	

FORM VI PESTICIDE

Calibration History

Method : \\target server\gg\chem\gc01.i\GC01DK29.b\PEST050.m\PEST050.m
 Start Cal Date: 29-NOV-2010 11:42
 End Cal Date : 29-NOV-2010 15:46
 Last Cal Level: 6
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.00500		
29-NOV-2010 14:01	hex	1DK00056.D
29-NOV-2010 11:59	ICAL	1DK00049.D
Cal Level: 2 , Cal Amount: 0.01000		
29-NOV-2010 14:19	hex	1DK00057.D
29-NOV-2010 12:17	ICAL	1DK00050.D
Cal Level: 3 , Cal Amount: 0.02500		
29-NOV-2010 14:36	hex	1DK00058.D
29-NOV-2010 12:34	ICAL	1DK00051.D
Cal Level: 4 , Cal Amount: 0.05000		
29-NOV-2010 15:46	TC	1DK00062.D
29-NOV-2010 15:28	Tox	1DK00061.D
29-NOV-2010 13:44	hex	1DK00055.D
29-NOV-2010 11:42	ICAL	1DK00048.D
Cal Level: 5 , Cal Amount: 0.10000		
29-NOV-2010 14:54	hex	1DK00059.D
29-NOV-2010 12:52	ICAL	1DK00052.D
Cal Level: 6 , Cal Amount: 0.25000		
29-NOV-2010 15:11	hex	1DK00060.D
29-NOV-2010 13:09	ICAL	1DK00053.D

Continuing Calibration
 Ccal Level Mode: BY SAMPLE

29-NOV-2010 19:32	hex	1DK00075.D
29-NOV-2010 19:15	cv	1DK00074.D
29-NOV-2010 13:26	IND	1DK00054.D

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 11/29/10 Time: 1326

Lab File ID: 1DK00054 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.e-002	5.e-002	7488600.0	0.001	0.00	15.00	2RDR
Endosulfan sulfate	4.4e-002	5.e-002	2923400.0	0.001	-12.00	15.00	2RDR
beta-BHC	5.22e-002	5.e-002	2847100.0	0.001	4.40	15.00	2RDR
delta-BHC	4.88e-002	5.e-002	5384800.0	0.001	-2.40	15.00	2RDR
Heptachlor	4.74e-002	5.e-002	6573000.0	0.001	-5.20	15.00	2RDR
Aldrin	4.79e-002	5.e-002	7358500.0	0.001	-4.20	15.00	2RDR
Heptachlor Epoxide	4.78e-002	5.e-002	6544600.0	0.001	-4.40	15.00	2RDR
gamma-Chlordane	4.7e-002	5.e-002	6596400.0	0.001	-6.00	15.00	2RDR
alpha-Chlordane	4.76e-002	5.e-002	6477100.0	0.001	-4.80	15.00	2RDR
4,4'-DDE	4.56e-002	5.e-002	5969900.0	0.001	-8.80	15.00	2RDR
Endosulfan I	4.78e-002	5.e-002	6006400.0	0.001	-4.40	15.00	2RDR
Dieldrin	4.6e-002	5.e-002	6343100.0	0.001	-8.00	15.00	2RDR
Endrin	4.73e-002	5.e-002	5581500.0	0.001	-5.40	15.00	2RDR
4,4'-DDD	4.46e-002	5.e-002	4393800.0	0.001	-10.80	15.00	2RDR
Endosulfan II	4.53e-002	5.e-002	5004300.0	0.001	-9.40	15.00	2RDR
4,4'-DDT	4.17e-002	5.e-002	3640400.0	0.001	-16.60	15.00	2RDR <-
Endrin Aldehyde	4.18e-002	5.e-002	2508800.0	0.001	-16.40	15.00	2RDR <-
Methoxychlor	4.5e-002	5.e-002	1688300.0	0.001	-10.00	15.00	2RDR
Endrin Ketone	4.49e-002	5.e-002	4774500.0	0.001	-10.20	15.00	2RDR
gamma-BHC	4.86e-002	5.e-002	7016400.0	0.001	-2.80	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 11/29/10 Time: 1326

Lab File ID: 1DK00054 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	4.88e-002	5.e-002	11608000	0.001	-2.40	15.00	2RDR
Endosulfan sulfate	4.55e-002	5.e-002	4381200.0	0.001	-9.00	15.00	2RDR
beta-BHC	5.32e-002	5.e-002	4024600.0	0.001	6.40	15.00	2RDR
delta-BHC	4.83e-002	5.e-002	9416900.0	0.001	-3.40	15.00	2RDR
Heptachlor	4.67e-002	5.e-002	8365100.0	0.001	-6.60	15.00	2RDR
Aldrin	4.78e-002	5.e-002	9344300.0	0.001	-4.40	15.00	2RDR
Heptachlor Epoxide	4.82e-002	5.e-002	8300500.0	0.001	-3.60	15.00	2RDR
gamma-Chlordane	4.87e-002	5.e-002	8066700.0	0.001	-2.60	15.00	2RDR
alpha-Chlordane	4.88e-002	5.e-002	7680400.0	0.001	-2.40	15.00	2RDR
4,4'-DDE	4.7e-002	5.e-002	7684600.0	0.001	-6.00	15.00	2RDR
Endosulfan I	4.81e-002	5.e-002	7303000.0	0.001	-3.80	15.00	2RDR
Dieldrin	4.69e-002	5.e-002	7866600.0	0.001	-6.20	15.00	2RDR
Endrin	4.9e-002	5.e-002	6612500.0	0.001	-2.00	15.00	2RDR
4,4'-DDD	4.65e-002	5.e-002	5693200.0	0.001	-7.00	15.00	2RDR
Endosulfan II	4.67e-002	5.e-002	5895500.0	0.001	-6.60	15.00	2RDR
4,4'-DDT	4.39e-002	5.e-002	4948200.0	0.001	-12.20	15.00	2RDR
Endrin Aldehyde	4.24e-002	5.e-002	3418400.0	0.001	-15.20	15.00	2RDR
Methoxychlor	4.66e-002	5.e-002	2379600.0	0.001	-6.80	15.00	2RDR
Endrin Ketone	4.56e-002	5.e-002	6212800.0	0.001	-8.80	15.00	2RDR
gamma-BHC	5.03e-002	5.e-002	9634300.0	0.001	0.60	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 11/29/10 Time: 1915

Lab File ID: 1DK00074 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.05e-002	5.e-002	7488600.0	0.001	1.00	15.00	2RDR
gamma-BHC	5.11e-002	5.e-002	7016400.0	0.001	2.20	15.00	2RDR
Heptachlor	5.59e-002	5.e-002	6573000.0	0.001	11.80	15.00	2RDR
beta-BHC	5.1e-002	5.e-002	2847100.0	0.001	2.00	15.00	2RDR
Aldrin	4.92e-002	5.e-002	7358500.0	0.001	-1.60	15.00	2RDR
delta-BHC	5.52e-002	5.e-002	5384800.0	0.001	10.40	15.00	2RDR
Heptachlor Epoxide	4.48e-002	5.e-002	6544600.0	0.001	-10.40	15.00	2RDR
Endosulfan I	4.79e-002	5.e-002	6006400.0	0.001	-4.20	15.00	2RDR
4,4'-DDE	4.76e-002	5.e-002	5969900.0	0.001	-4.80	15.00	2RDR
Dieldrin	5.04e-002	5.e-002	6343100.0	0.001	0.80	15.00	2RDR
Endrin	4.88e-002	5.e-002	5581500.0	0.001	-2.40	15.00	2RDR
4,4'-DDD	4.68e-002	5.e-002	4393800.0	0.001	-6.40	15.00	2RDR
Endosulfan II	4.96e-002	5.e-002	5004300.0	0.001	-0.80	15.00	2RDR
4,4'-DDT	5.65e-002	5.e-002	3640400.0	0.001	13.00	15.00	2RDR
Endrin Aldehyde	4.9e-002	5.e-002	2508800.0	0.001	-2.00	15.00	2RDR
Endosulfan sulfate	5.41e-002	5.e-002	2923400.0	0.001	8.20	15.00	2RDR
Methoxychlor	5.52e-002	5.e-002	1688300.0	0.001	10.40	15.00	2RDR
alpha-Chlordane	4.67e-002	5.e-002	6477100.0	0.001	-6.60	15.00	2RDR
gamma-Chlordane	4.73e-002	5.e-002	6596400.0	0.001	-5.40	15.00	2RDR
Endrin Ketone	5.41e-002	5.e-002	4774500.0	0.001	8.20	15.00	2RDR
Tetrachloro-m-Xylene	5.17e-002	5.e-002	6155200.0	0.001	3.40	15.00	2RDR
Decachlorobiphenyl	5.13e-002	5.e-002	3578300.0	0.001	2.60	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 11/29/10 Time: 1915

Lab File ID: 1DK00074 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.26e-002	5.e-002	11608000	0.001	5.20	15.00	2RDR
gamma-BHC	5.27e-002	5.e-002	9634300.0	0.001	5.40	15.00	2RDR
Heptachlor	5.61e-002	5.e-002	8365100.0	0.001	12.20	15.00	2RDR
beta-BHC	5.16e-002	5.e-002	4024600.0	0.001	3.20	15.00	2RDR
Aldrin	5.17e-002	5.e-002	9344300.0	0.001	3.40	15.00	2RDR
delta-BHC	5.67e-002	5.e-002	9416900.0	0.001	13.40	15.00	2RDR
Heptachlor Epoxide	5.15e-002	5.e-002	8300500.0	0.001	3.00	15.00	2RDR
Endosulfan I	5.22e-002	5.e-002	7303000.0	0.001	4.40	15.00	2RDR
4,4'-DDE	5.09e-002	5.e-002	7684600.0	0.001	1.80	15.00	2RDR
Dieldrin	5.1e-002	5.e-002	7866600.0	0.001	2.00	15.00	2RDR
Endrin	5.39e-002	5.e-002	6612500.0	0.001	7.80	15.00	2RDR
4,4'-DDD	5.11e-002	5.e-002	5693200.0	0.001	2.20	15.00	2RDR
Endosulfan II	5.18e-002	5.e-002	5895500.0	0.001	3.60	15.00	2RDR
4,4'-DDT	5.51e-002	5.e-002	4948200.0	0.001	10.20	15.00	2RDR
Endrin Aldehyde	5.14e-002	5.e-002	3418400.0	0.001	2.80	15.00	2RDR
Endosulfan sulfate	5.67e-002	5.e-002	4381200.0	0.001	13.40	15.00	2RDR
Methoxychlor	5.54e-002	5.e-002	2379600.0	0.001	10.80	15.00	2RDR
alpha-Chlordane	5.12e-002	5.e-002	7680400.0	0.001	2.40	15.00	2RDR
gamma-Chlordane	5.2e-002	5.e-002	8066700.0	0.001	4.00	15.00	2RDR
Endrin Ketone	5.67e-002	5.e-002	6212800.0	0.001	13.40	15.00	2RDR
Tetrachloro-m-Xylene	5.23e-002	5.e-002	8107500.0	0.001	4.60	15.00	2RDR
Decachlorobiphenyl	5.07e-002	5.e-002	4375400.0	0.001	1.40	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 11/29/10 Time: 2244

Lab File ID: 1DK00086 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	2.16e-002	2.5e-002	7488600.0	0.001	-13.60	15.00	2RDR
gamma-BHC	2.24e-002	2.5e-002	7016400.0	0.001	-10.40	15.00	2RDR
Heptachlor	2.26e-002	2.5e-002	6573000.0	0.001	-9.60	15.00	2RDR
beta-BHC	2.36e-002	2.5e-002	2847100.0	0.001	-5.60	15.00	2RDR
Aldrin	2.54e-002	2.5e-002	7358500.0	0.001	1.60	15.00	2RDR
delta-BHC	2.38e-002	2.5e-002	5384800.0	0.001	-4.80	15.00	2RDR
Heptachlor Epoxide	2.56e-002	2.5e-002	6544600.0	0.001	2.40	15.00	2RDR
Endosulfan I	2.57e-002	2.5e-002	6006400.0	0.001	2.80	15.00	2RDR
4,4'-DDE	2.62e-002	2.5e-002	5969900.0	0.001	4.80	15.00	2RDR
Dieldrin	2.55e-002	2.5e-002	6343100.0	0.001	2.00	15.00	2RDR
Endrin	2.65e-002	2.5e-002	5581500.0	0.001	6.00	15.00	2RDR
4,4'-DDD	2.65e-002	2.5e-002	4393800.0	0.001	6.00	15.00	2RDR
Endosulfan II	2.63e-002	2.5e-002	5004300.0	0.001	5.20	15.00	2RDR
4,4'-DDT	2.24e-002	2.5e-002	3640400.0	0.001	-10.40	15.00	2RDR
Endrin Aldehyde	2.59e-002	2.5e-002	2508800.0	0.001	3.60	15.00	2RDR
Endosulfan sulfate	2.86e-002	2.5e-002	2923400.0	0.001	14.40	15.00	2RDR
Methoxychlor	2.39e-002	2.5e-002	1688300.0	0.001	-4.40	15.00	2RDR
alpha-Chlordane	2.56e-002	2.5e-002	6477100.0	0.001	2.40	15.00	2RDR
gamma-Chlordane	2.55e-002	2.5e-002	6596400.0	0.001	2.00	15.00	2RDR
Endrin Ketone	2.73e-002	2.5e-002	4774500.0	0.001	9.20	15.00	2RDR
Tetrachloro-m-Xylene	2.51e-002	2.5e-002	6155200.0	0.001	0.40	15.00	2RDR
Decachlorobiphenyl	2.84e-002	2.5e-002	3578300.0	0.001	13.60	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 11/29/10 Time: 2244

Lab File ID: 1DK00086 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	2.33e-002	2.5e-002	11608000	0.001	-6.80	15.00	2RDR
gamma-BHC	2.29e-002	2.5e-002	9634300.0	0.001	-8.40	15.00	2RDR
Heptachlor	2.31e-002	2.5e-002	8365100.0	0.001	-7.60	15.00	2RDR
beta-BHC	2.42e-002	2.5e-002	4024600.0	0.001	-3.20	15.00	2RDR
Aldrin	2.56e-002	2.5e-002	9344300.0	0.001	2.40	15.00	2RDR
delta-BHC	2.83e-002	2.5e-002	9416900.0	0.001	13.20	15.00	2RDR
Heptachlor Epoxide	2.62e-002	2.5e-002	8300500.0	0.001	4.80	15.00	2RDR
Endosulfan I	2.66e-002	2.5e-002	7303000.0	0.001	6.40	15.00	2RDR
4,4'-DDE	2.64e-002	2.5e-002	7684600.0	0.001	5.60	15.00	2RDR
Dieldrin	2.68e-002	2.5e-002	7866600.0	0.001	7.20	15.00	2RDR
Endrin	2.7e-002	2.5e-002	6612500.0	0.001	8.00	15.00	2RDR
4,4'-DDD	2.65e-002	2.5e-002	5693200.0	0.001	6.00	15.00	2RDR
Endosulfan II	2.61e-002	2.5e-002	5895500.0	0.001	4.40	15.00	2RDR
4,4'-DDT	2.38e-002	2.5e-002	4948200.0	0.001	-4.80	15.00	2RDR
Endrin Aldehyde	2.64e-002	2.5e-002	3418400.0	0.001	5.60	15.00	2RDR
Endosulfan sulfate	2.99e-002	2.5e-002	4381200.0	0.001	19.60	15.00	2RDR <-
Methoxychlor	2.48e-002	2.5e-002	2379600.0	0.001	-0.80	15.00	2RDR
alpha-Chlordane	2.61e-002	2.5e-002	7680400.0	0.001	4.40	15.00	2RDR
gamma-Chlordane	2.65e-002	2.5e-002	8066700.0	0.001	6.00	15.00	2RDR
Endrin Ketone	2.84e-002	2.5e-002	6212800.0	0.001	13.60	15.00	2RDR
Tetrachloro-m-Xylene	2.42e-002	2.5e-002	8107500.0	0.001	-3.20	15.00	2RDR
Decachlorobiphenyl	2.78e-002	2.5e-002	4375400.0	0.001	11.20	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 12/01/10 Time: 1319

Lab File ID: 1DL00003 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.11e-002	5.e-002	9475800.0	0.001	2.20	15.00	2RDR
gamma-BHC	5.26e-002	5.e-002	8678100.0	0.001	5.20	15.00	2RDR
Heptachlor	5.61e-002	5.e-002	7820200.0	0.001	12.20	15.00	2RDR
beta-BHC	5.2e-002	5.e-002	3131000.0	0.001	4.00	15.00	2RDR
Aldrin	5.29e-002	5.e-002	7933500.0	0.001	5.80	15.00	2RDR
delta-BHC	5.68e-002	5.e-002	6691300.0	0.001	13.60	15.00	2RDR
Heptachlor Epoxide	5.21e-002	5.e-002	6824600.0	0.001	4.20	15.00	2RDR
Endosulfan I	5.12e-002	5.e-002	5925500.0	0.001	2.40	15.00	2RDR
4,4'-DDE	5.13e-002	5.e-002	5775600.0	0.001	2.60	15.00	2RDR
Dieldrin	5.07e-002	5.e-002	6485600.0	0.001	1.40	15.00	2RDR
Endrin	5.12e-002	5.e-002	5507900.0	0.001	2.40	15.00	2RDR
4,4'-DDD	5.09e-002	5.e-002	4034300.0	0.001	1.80	15.00	2RDR
Endosulfan II	5.19e-002	5.e-002	5091800.0	0.001	3.80	15.00	2RDR
4,4'-DDT	5.66e-002	5.e-002	4248500.0	0.001	13.20	15.00	2RDR
Endrin Aldehyde	5.13e-002	5.e-002	2544300.0	0.001	2.60	15.00	2RDR
Endosulfan sulfate	5.51e-002	5.e-002	2885500.0	0.001	10.20	15.00	2RDR
Methoxychlor	5.65e-002	5.e-002	1866300.0	0.001	13.00	15.00	2RDR
alpha-Chlordane	5.09e-002	5.e-002	6375800.0	0.001	1.80	15.00	2RDR
gamma-Chlordane	5.14e-002	5.e-002	6591600.0	0.001	2.80	15.00	2RDR
Endrin Ketone	5.46e-002	5.e-002	4701000.0	0.001	9.20	15.00	2RDR
Tetrachloro-m-Xylene	5.28e-002	5.e-002	6541600.0	0.001	5.60	15.00	2RDR
Decachlorobiphenyl	5.18e-002	5.e-002	3289500.0	0.001	3.60	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 12/01/10 Time: 1319

Lab File ID: 1DL00003 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF5e-002 or AMOUNT	CCAL RRF5e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	5.27e-002	5.e-002	13457000	0.001	5.40	15.00	2RDR
gamma-BHC	5.4e-002	5.e-002	11721000	0.001	8.00	15.00	2RDR
Heptachlor	5.56e-002	5.e-002	9846700.0	0.001	11.20	15.00	2RDR
beta-BHC	5.19e-002	5.e-002	4424200.0	0.001	3.80	15.00	2RDR
Aldrin	5.16e-002	5.e-002	9637000.0	0.001	3.20	15.00	2RDR
delta-BHC	5.65e-002	5.e-002	9730800.0	0.001	13.00	15.00	2RDR
Heptachlor Epoxide	5.14e-002	5.e-002	8343400.0	0.001	2.80	15.00	2RDR
Endosulfan I	5.08e-002	5.e-002	7183800.0	0.001	1.60	15.00	2RDR
4,4'-DDE	5.06e-002	5.e-002	7488800.0	0.001	1.20	15.00	2RDR
Dieldrin	5.08e-002	5.e-002	7793600.0	0.001	1.60	15.00	2RDR
Endrin	5.17e-002	5.e-002	6565400.0	0.001	3.40	15.00	2RDR
4,4'-DDD	5.08e-002	5.e-002	5540700.0	0.001	1.60	15.00	2RDR
Endosulfan II	5.1e-002	5.e-002	6017700.0	0.001	2.00	15.00	2RDR
4,4'-DDT	5.22e-002	5.e-002	5476600.0	0.001	4.40	15.00	2RDR
Endrin Aldehyde	5.11e-002	5.e-002	3552000.0	0.001	2.20	15.00	2RDR
Endosulfan sulfate	5.53e-002	5.e-002	4226000.0	0.001	10.60	15.00	2RDR
Methoxychlor	5.22e-002	5.e-002	2422700.0	0.001	4.40	15.00	2RDR
alpha-Chlordane	5.2e-002	5.e-002	7803700.0	0.001	4.00	15.00	2RDR
gamma-Chlordane	5.13e-002	5.e-002	8048200.0	0.001	2.60	15.00	2RDR
Endrin Ketone	5.47e-002	5.e-002	6000600.0	0.001	9.40	15.00	2RDR
Tetrachloro-m-Xylene	5.23e-002	5.e-002	8948800.0	0.001	4.60	15.00	2RDR
Decachlorobiphenyl	5.01e-002	5.e-002	4046200.0	0.001	0.20	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 12/01/10 Time: 1648

Lab File ID: 1DL00013 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	2.16e-002	2.5e-002	7488600.0	0.001	-13.60	15.00	2RDR
gamma-BHC	2.24e-002	2.5e-002	7016400.0	0.001	-10.40	15.00	2RDR
Heptachlor	2.43e-002	2.5e-002	6573000.0	0.001	-2.80	15.00	2RDR
beta-BHC	2.45e-002	2.5e-002	2847100.0	0.001	-2.00	15.00	2RDR
Aldrin	2.51e-002	2.5e-002	7358500.0	0.001	0.40	15.00	2RDR
delta-BHC	2.47e-002	2.5e-002	5384800.0	0.001	-1.20	15.00	2RDR
Heptachlor Epoxide	2.53e-002	2.5e-002	6544600.0	0.001	1.20	15.00	2RDR
Endosulfan I	2.62e-002	2.5e-002	6006400.0	0.001	4.80	15.00	2RDR
4,4'-DDE	2.69e-002	2.5e-002	5969900.0	0.001	7.60	15.00	2RDR
Dieldrin	2.52e-002	2.5e-002	6343100.0	0.001	0.80	15.00	2RDR
Endrin	2.63e-002	2.5e-002	5581500.0	0.001	5.20	15.00	2RDR
4,4'-DDD	2.82e-002	2.5e-002	4393800.0	0.001	12.80	15.00	2RDR
Endosulfan II	2.6e-002	2.5e-002	5004300.0	0.001	4.00	15.00	2RDR
4,4'-DDT	2.49e-002	2.5e-002	3640400.0	0.001	-0.40	15.00	2RDR
Endrin Aldehyde	2.56e-002	2.5e-002	2508800.0	0.001	2.40	15.00	2RDR
Endosulfan sulfate	2.91e-002	2.5e-002	2923400.0	0.001	16.40	15.00	2RDR
Methoxychlor	2.56e-002	2.5e-002	1688300.0	0.001	2.40	15.00	2RDR
alpha-Chlordane	2.61e-002	2.5e-002	6477100.0	0.001	4.40	15.00	2RDR
gamma-Chlordane	2.61e-002	2.5e-002	6596400.0	0.001	4.40	15.00	2RDR
Endrin Ketone	2.83e-002	2.5e-002	4774500.0	0.001	13.20	15.00	2RDR
Tetrachloro-m-Xylene	2.52e-002	2.5e-002	6155200.0	0.001	0.80	15.00	2RDR
Decachlorobiphenyl	2.78e-002	2.5e-002	3578300.0	0.001	11.20	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC01 Calibration Date: 12/01/10 Time: 1648

Lab File ID: 1DL00013 Init. Calib. Date(s): 11/29/10 11/29/10

Init. Calib. Times: 1142 1546

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF3e-002 or AMOUNT	CCAL RRF3e-002	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
alpha-BHC	2.35e-002	2.5e-002	11608000	0.001	-6.00	15.00	2RDR
gamma-BHC	2.31e-002	2.5e-002	9634300.0	0.001	-7.60	15.00	2RDR
Heptachlor	2.42e-002	2.5e-002	8365100.0	0.001	-3.20	15.00	2RDR
beta-BHC	2.4e-002	2.5e-002	4024600.0	0.001	-4.00	15.00	2RDR
Aldrin	2.53e-002	2.5e-002	9344300.0	0.001	1.20	15.00	2RDR
delta-BHC	2.83e-002	2.5e-002	9416900.0	0.001	13.20	15.00	2RDR
Heptachlor Epoxide	2.58e-002	2.5e-002	8300500.0	0.001	3.20	15.00	2RDR
Endosulfan I	2.6e-002	2.5e-002	7303000.0	0.001	4.00	15.00	2RDR
4,4'-DDE	2.62e-002	2.5e-002	7684600.0	0.001	4.80	15.00	2RDR
Dieldrin	2.6e-002	2.5e-002	7866600.0	0.001	4.00	15.00	2RDR
Endrin	2.63e-002	2.5e-002	6612500.0	0.001	5.20	15.00	2RDR
4,4'-DDD	2.66e-002	2.5e-002	5693200.0	0.001	6.40	15.00	2RDR
Endosulfan II	2.53e-002	2.5e-002	5895500.0	0.001	1.20	15.00	2RDR
4,4'-DDT	2.42e-002	2.5e-002	4948200.0	0.001	-3.20	15.00	2RDR
Endrin Aldehyde	2.49e-002	2.5e-002	3418400.0	0.001	-0.40	15.00	2RDR
Endosulfan sulfate	2.95e-002	2.5e-002	4381200.0	0.001	18.00	15.00	2RDR <-
Methoxychlor	2.58e-002	2.5e-002	2379600.0	0.001	3.20	15.00	2RDR
alpha-Chlordane	2.58e-002	2.5e-002	7680400.0	0.001	3.20	15.00	2RDR
gamma-Chlordane	2.59e-002	2.5e-002	8066700.0	0.001	3.60	15.00	2RDR
Endrin Ketone	2.87e-002	2.5e-002	6212800.0	0.001	14.80	15.00	2RDR
Tetrachloro-m-Xylene	2.42e-002	2.5e-002	8107500.0	0.001	-3.20	15.00	2RDR
Decachlorobiphenyl	2.67e-002	2.5e-002	4375400.0	0.001	6.80	15.00	2RDR

FORM VII PEST

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Client Sample ID (PEM):

Date Analyzed :11/29/10

Lab Sample ID (PEM): EVAL

Time Analyzed :1124

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1DK00047.D	2.03	2.16

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Client Sample ID (PEM):

Date Analyzed :11/29/10

Lab Sample ID (PEM): EVAL

Time Analyzed :1124

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1DK00047.D	1.92	1.66

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-1 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Client Sample ID (PEM):

Date Analyzed :12/01/10

Lab Sample ID (PEM): EVAL

Time Analyzed :1302

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1DL00002.D	1.52	2.34

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE-2 ID: 0.53 (mm) Init. Calib. Date(s): 11/29/10 11/29/10

Client Sample ID (PEM):

Date Analyzed :12/01/10

Lab Sample ID (PEM): EVAL

Time Analyzed :1302

LAB SAMPLE ID	FILENAME	% DDT BREAKDOWN	% ENDRIN BREAKDOWN
EVAL	1DL00002.D	1.37	1.95

QC LIMITS:

4,4'-DDT breakdown must be less than or equal to 15.0%

Endrin breakdown must be less than or equal to 15.0%

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

FD11171001

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: CTOJM30-1

Lab Sample ID: SD7209-7

Date(s) Analyzed: 12/01/10 12/01/10

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Aldrin	1	5.50	5.45	5.55	0.0864	
	2	5.22	5.17	5.27	0.0678	24.1
Endosulfan I	1	6.66	6.58	6.72	0.0597	
	2	6.50	6.42	6.56	0.0660	10.0
4,4'-DDE	1	6.89	6.82	6.96	1.29	
	2	6.68	6.61	6.75	1.26	2.4
Dieldrin	1	7.05	6.98	7.12	9.59	
	2	6.87	6.80	6.94	9.44	1.6
4,4'-DDD	1	7.66	7.59	7.73	0.450	
	2	7.51	7.43	7.57	0.287	44.2
4,4'-DDT	1	8.10	8.03	8.17	1.62	
	2	7.88	7.81	7.95	1.72	6.0
Endrin Aldehyde	1	7.94	7.86	8.00	0.344	
	2	7.96	7.88	8.02	0.437	23.8
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

SAA1-0-2
 -11/2010

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: CTOJM30-1

Lab Sample ID: SD7209-6

Date(s) Analyzed: 12/01/10 12/01/10

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53(mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Aldrin	1	5.49	5.45	5.55	0.0927	
	2	5.23	5.17	5.27	0.0924	0.3
4,4'-DDE	1	6.89	6.82	6.96	1.42	
	2	6.68	6.61	6.75	1.36	4.3
Dieldrin	1	7.05	6.98	7.12	10.2	
	2	6.88	6.80	6.94	10.1	1.0
4,4'-DDD	1	7.66	7.59	7.73	0.456	
	2	7.51	7.43	7.57	0.318	35.6
4,4'-DDT	1	8.10	8.03	8.17	1.84	
	2	7.88	7.81	7.95	1.94	5.3
Endrin Aldehyde	1	7.94	7.86	8.00	0.379	
	2	7.96	7.88	8.02	0.330	13.8
	1					
	2					
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

SBA1-2-4
 '-11/2010

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: CTOJM30-1

Lab Sample ID: SD7209-8

Date(s) Analyzed: 12/01/10 12/01/10

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
Endosulfan I	1	6.67	6.58	6.72	0.102	
	2	6.51	6.42	6.56	0.113	10.2
4,4'-DDE	1	6.89	6.82	6.96	0.149	
	2	6.69	6.61	6.75	0.152	2.0
Dieldrin	1	7.05	6.98	7.12	0.745	
	2	6.88	6.80	6.94	0.817	9.2
4,4'-DDT	1	8.10	8.03	8.17	0.0874	
	2	7.88	7.81	7.95	0.116	28.1
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

SBA1-27-3
 3'-11/2010

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: CTOJM30-1

Lab Sample ID: SD7209-5

Date(s) Analyzed: 12/01/10 12/01/10

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
4,4'-DDE	1	6.89	6.82	6.96	0.0748	
	2	6.69	6.61	6.75	0.0482	43.2
Dieldrin	1	7.05	6.98	7.12	0.129	
	2	6.88	6.80	6.94	0.127	1.6
4,4'-DDT	1	8.10	8.03	8.17	0.0871	
	2	7.88	7.81	7.95	0.141	47.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM 10
 PESTICIDE IDENTIFICATION SUMMARY
 FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE ID

SBF1-10-1
 2'-11/2010

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: OLF SAUFLEY FI

Lab Code: KAS

PO No.:

SDG No.: CTOJM30-1

Lab Sample ID: SD7209-1

Date(s) Analyzed: 12/01/10 12/01/10

Instrument ID (1): GC01

Instrument ID (2): GC01

GC Column(1): ZB-MULTIRESIDUE-1 ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE-2 ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	RPD
			FROM	TO		
4,4'-DDE	1	6.90	6.82	6.96	0.547	
	2	6.68	6.61	6.75	0.508	7.4
Dieldrin	1	7.06	6.98	7.12	6.56	
	2	6.87	6.80	6.94	6.29	4.2
4,4'-DDD	1	7.67	7.59	7.73	0.478	
	2	7.50	7.43	7.57	0.420	12.9
4,4'-DDT	1	8.10	8.03	8.17	0.146	
	2	7.88	7.81	7.95	0.176	18.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM 2
SOIL PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column(1): ZB-MULTIRESIDUE1ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG85306-BLANK	WG85306-1	37*	40*	76	65			2
02	WG85306-LCS	WG85306-2	48*	52*	65	62			2
03	WG85306-LCSD	WG85306-3	45*	50*	66	63			2
-04	SBF1-10-12'-11/2010	SD7209-1	51*	55*	85	82			2
05	SBF1-50-55'-11/2010	SD7209-2	38*	39*	74	70			2
06	SBF1-55-58'-11/2010	SD7209-3	44*	46*	77	70			2
07	SBF1-61-63'-11/2010	SD7209-4	42*	46*	81	72			2
-08	SBA1-27-33'-11/2010	SD7209-5	47*	50*	76	68			2
09	SAA1-0-2-11/2010	SD7209-6	55*	60	82	104			1
10	FD11171001	SD7209-7	46*	50*	78	94			2
11	SBA1-2-4'-11/2010	SD7209-8	60	63	101	95			0
-12	SBA1-46-47'-11/2010	SD7209-9	37*	40*	78	72			2
13									
14									
15									
16									
17									
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22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (56-115)
S2 (DCB) = Decachlorobiphenyl (59-124)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
WATER PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column(1): ZB-MULTIRESIDUE1ID: 0.53 (mm) GC Column(2): ZB-MULTIRESIDUE2ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG85429-BLANK	WG85429-1	69	72	79	68			0
02	WG85429-LCS	WG85429-2	75	78	82	72			0
03	WG85429-LCSD	WG85429-3	73	77	80	72			0
04	RB11171001	SD7209-10	78	82	65	61			0
05									
06									
07									
08									
09									
10									
11									
12									
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24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (62-111)
S2 (DCB) = Decachlorobiphenyl (44-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85306-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab Sample ID: WG85306-1 Lab File ID: 7DK434

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) N Date Extracted: 11/19/10

Date Analyzed (1): 11/29/10 Date Analyzed (2): 11/29/10

Time Analyzed (1): 2227 Time Analyzed (2): 2227

Instrument ID (1): GC07 Instrument ID (2): GC07

GC Column (1): ZB-MULTIRESIDUE1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG85306-LCS	WG85306-2	7DK435	11/29/10	11/29/10
02	WG85306-LCSD	WG85306-3	7DK436	11/29/10	11/29/10
03	SBF1-10-12'-11/2010	SD7209-1	7DK437	11/29/10	11/29/10
04	SBF1-50-55'-11/2010	SD7209-2	7DK438	11/30/10	11/30/10
05	SBF1-55-58'-11/2010	SD7209-3	7DK439	11/30/10	11/30/10
06	SBF1-61-63'-11/2010	SD7209-4	7DK440	11/30/10	11/30/10
07	SBA1-27-33'-11/2010	SD7209-5	7DK441	11/30/10	11/30/10
08	SAA1-0-2-11/2010	SD7209-6	7DK454	11/30/10	11/30/10
09	FD11171001	SD7209-7	7DK455	11/30/10	11/30/10
10	SBA1-2-4'-11/2010	SD7209-8	7DK456	11/30/10	11/30/10
11	SBA1-46-47'-11/2010	SD7209-9	7DK457	11/30/10	11/30/10
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

Report of Analytical Results

Client:
Lab ID: WG85306-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: NA
Report Date: 07-dec-2010 16:13

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	1.2	ug/Kgdrywt	1	17	3.4	1.2	1.7
Aroclor-1221	U	1.6	ug/Kgdrywt	1	17	3.4	1.6	1.7
Aroclor-1232	U	1.9	ug/Kgdrywt	1	17	3.4	1.9	2.0
Aroclor-1242	U	1.2	ug/Kgdrywt	1	17	3.4	1.2	1.7
Aroclor-1248	U	1.2	ug/Kgdrywt	1	17	3.4	1.2	1.7
Aroclor-1254	U	0.94	ug/Kgdrywt	1	17	3.4	0.94	1.7
Aroclor-1260	U	1.2	ug/Kgdrywt	1	17	3.4	1.2	1.7
Tetrachloro-M-Xylene	J	40.4	%					
Decachlorobiphenyl		75.8	%					

LCS/LCSD Recovery Report

LCS ID: WG85306-2
LCSD ID: WG85306-3
Project:
SDG: CTOJM30-1
Report Date: 07-dec-2010 16:14

Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85306

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	33.4	21.0	62.9	20.4	61.1	ug/Kgdrywt	3	50	53-123
Aroclor-1260	33.4	22.9	68.6	22.8	68.3	ug/Kgdrywt	0	50	58-120
Tetrachloro-M-Xylene			51.8J		50.0J				56-115
Decachlorobiphenyl			65.3		66.1				59-124

FORM 4
 PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85429-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab Sample ID: WG85429-1 Lab File ID: 7DK426

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 11/22/10

Date Analyzed (1): 11/29/10 Date Analyzed (2): 11/29/10

Time Analyzed (1): 1859 Time Analyzed (2): 1859

Instrument ID (1): GC07 Instrument ID (2): GC07

GC Column (1): ZB-MULTIRESIDUE1 ID: 0.53(mm) GC Column (2): ZB-MULTIRESIDUE2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG85429-LCS	WG85429-2	7DK427	11/29/10	11/29/10
02	WG85429-LCSD	WG85429-3	7DK432	11/29/10	11/29/10
03	RB11171001	SD7209-10	7DK433	11/29/10	11/29/10
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

Report of Analytical Results

Client:
Lab ID: WG85429-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85429

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA
Report Date: 07-dec-2010 16:13

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Aroclor-1016	U	0.030	ug/L	1	.5	0.10	0.030	0.050
Aroclor-1221	U	0.040	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1232	U	0.018	ug/L	1	.5	0.10	0.018	0.050
Aroclor-1242	U	0.036	ug/L	1	.5	0.10	0.036	0.050
Aroclor-1248	U	0.040	ug/L	1	.5	0.10	0.040	0.050
Aroclor-1254	U	0.016	ug/L	1	.5	0.10	0.016	0.050
Aroclor-1260	U	0.034	ug/L	1	.5	0.10	0.034	0.050
Tetrachloro-M-Xylene		72.0	%					
Decachlorobiphenyl		79.0	%					

LCS/LCSD Recovery Report

LCS ID: WG85429-2
LCSD ID: WG85429-3
Project:
SDG: CTOJM30-1
Report Date: 07-dec-2010 16:14

Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85429

Analysis Date: 29-NOV-10
Analyst: RCT
Analysis Method: SW846 8082
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Aroclor-1016	1.00	0.861	86.1	0.879	87.9	ug/L	2	30	65-112
Aroclor-1260	1.00	0.862	86.2	0.848	84.8	ug/L	2	30	62-104
Tetrachloro-M-Xylene			78.0		77.0				62-111
Decachlorobiphenyl			81.5		80.5				44-135

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)Init. Calib. Date(s): 11/10/10 11/11/10

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
DCB: 18.16 TCX: 4.25						
CLIENT	LAB	DATE	TIME	DCB	TCX	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT #
=====	=====	=====	=====	=====	=====	=====
01	AR1660 1.0	11/10/10	1252	18.16		4.25
02	AR1660 0.05	11/10/10	1318	18.16		4.25
03	AR1660 0.1	11/10/10	1344	18.16		4.26
04	AR1660 0.25	11/10/10	1410	18.15		4.26
05	AR1660 2.5	11/10/10	1435	18.16		4.25
06	AR1660 10	11/10/10	1501	18.16		4.25
07	AR1016 1.0	11/10/10	1527			
08	AR1260 1.0	11/10/10	1553			
09	AR1242 1.0	11/10/10	1619			
10	AR1248 1.0	11/10/10	1854			
11	AR1254 1.0	11/10/10	2128			
12	AR1221 1.0	11/11/10	0002			
13	AR1232 1.0	11/11/10	0235			
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
 TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)Init. Calib. Date(s): 11/10/10 11/11/10

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
DCB: 18.06			TCX: 4.22			
CLIENT	LAB	DATE	TIME	DCB	TCX	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #	
01	AR1660 1.0	11/29/10	0913	18.07	4.22	
02	WG85429-BLAN	11/29/10	1859	18.07	4.24	
03	WG85429-LCS	11/29/10	1925	18.06	4.23	
04	AR1660 0.25	11/29/10	1951	18.06	4.22	
05	WG85429-LCSD	11/29/10	2135	18.06	4.23	
06	RB11171001	11/29/10	2201	18.06	4.23	
07	WG85306-BLAN	11/29/10	2227	18.06	4.23	
08	WG85306-LCS	11/29/10	2253	18.05	4.23	
09	WG85306-LCSD	11/29/10	2319	18.06	4.23	
10	SBF1-10-12'-	11/29/10	2345	18.06	4.23	
11	SBF1-50-55'-	11/30/10	0011	18.06	4.23	
12	SBF1-55-58'-	11/30/10	0037	18.06	4.23	
13	SBF1-61-63'-	11/30/10	0103	18.06	4.23	
14	SBA1-27-33'-	11/30/10	0129	18.05	4.23	
15	AR1660 1.0	11/30/10	0155	18.06	4.22	
16	AR1660 1.0	11/30/10	1518	18.06	4.23	
17	SAA1-0-2-11/	11/30/10	1826	18.08	4.24	
18	FD11171001	11/30/10	1852	18.08	4.24	
19	SBA1-2-4'-11	11/30/10	1918	18.08	4.24	
20	SBA1-46-47'-	11/30/10	1943	18.08	4.24	

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Init. Calib. Date(s): 11/10/10 11/11/10

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
DCB: 18.06			TCX: 4.22			
CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #	
01	AR1660 0.25	11/30/10	2152	18.08	4.23	
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)
 TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Init. Calib. Date(s): 11/10/10 11/11/10

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
		TCX: 4.48		DCB: 19.17		
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT
=====						
01	AR1660 1.0	11/10/10	1252	4.48		19.17
02	AR1660 0.05	11/10/10	1318	4.48		19.17
03	AR1660 0.1	11/10/10	1344	4.48		19.17
04	AR1660 0.25	11/10/10	1410	4.48		19.17
05	AR1660 2.5	11/10/10	1435	4.48		19.17
06	AR1660 10	11/10/10	1501	4.48		19.17
07	AR1016 1.0	11/10/10	1527			
08	AR1260 1.0	11/10/10	1553			
09	AR1242 1.0	11/10/10	1619			
10	AR1248 1.0	11/10/10	1854			
11	AR1254 1.0	11/10/10	2128			
12	AR1221 1.0	11/11/10	0002			
13	AR1232 1.0	11/11/10	0235			
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)Init. Calib. Date(s): 11/10/10 11/11/10

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION						
TCX: 4.45			DCB: 19.05			
CLIENT	LAB	DATE	TIME	TCX	DCB	
SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	RT	#
=====	=====	=====	=====	=====	=====	=====
01		AR1660 1.0	11/29/10	0913	4.44	19.05
02	WG85429-BLAN	WG85429-1	11/29/10	1859	4.46	19.06
03	WG85429-LCS	WG85429-2	11/29/10	1925	4.45	19.05
04		AR1660 0.25	11/29/10	1951	4.45	19.06
05	WG85429-LCSD	WG85429-3	11/29/10	2135	4.45	19.05
06	RB11171001	SD7209-10	11/29/10	2201	4.46	19.05
07	WG85306-BLAN	WG85306-1	11/29/10	2227	4.45	19.05
08	WG85306-LCS	WG85306-2	11/29/10	2253	4.45	19.05
09	WG85306-LCSD	WG85306-3	11/29/10	2319	4.45	19.05
10	SBF1-10-12'-	SD7209-1	11/29/10	2345	4.45	19.05
11	SBF1-50-55'-	SD7209-2	11/30/10	0011	4.46	19.05
12	SBF1-55-58'-	SD7209-3	11/30/10	0037	4.45	19.05
13	SBF1-61-63'-	SD7209-4	11/30/10	0103	4.45	19.05
14	SBA1-27-33'-	SD7209-5	11/30/10	0129	4.45	19.05
15		AR1660 1.0	11/30/10	0155	4.45	19.05
16		AR1660 1.0	11/30/10	1518	4.45	19.05
17	SAA1-0-2-11/	SD7209-6	11/30/10	1826	4.46	19.06
18	FD11171001	SD7209-7	11/30/10	1852	4.46	19.06
19	SBA1-2-4'-11	SD7209-8	11/30/10	1918	4.46	19.07
20	SBA1-46-47'-	SD7209-9	11/30/10	1943	4.46	19.07

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)Init. Calib. Date(s): 11/10/10 11/11/10

Instrument ID: GC07

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
TCX: 4.45		DCB: 19.05			
CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1660 0.25	11/30/10	2152	4.46	19.07
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
 DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date(s): 11/10/10 11/11/10

Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm) Calibration Time(s): 1252 0954

LAB FILE ID: RF0.05: 7DK241 RF0.1: 7DK242 RF0.25: 7DK243
RF1: 7DK240 RF2.5: 7DK244 RF10: 7DK245

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Aroclor-1016	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	13374541.5	4.988	20.000
(2)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	12769876.4	3.099	20.000
(3)	3e+007	3e+007	3e+007	3e+007	3e+007	3e+007	AVRG	27387250.8	2.858	20.000
(4)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	15454229.5	2.254	20.000
(5)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	11531459.2	2.590	20.000
Aroclor-1221	4734600	4657100	4021800	3773900	3533200	2957500	AVRG	3946357.37	17.225	20.000
(2)	5693000	5778600	5122000	5199100	5114400	4788000	AVRG	5282543.15	7.184	20.000
(3)	4089500	4254900	3791300	3834200	3692600	3433000	AVRG	3849258.65	7.562	20.000
(4)	2e+007	2e+007	1e+007	1e+007	1e+007	1e+007	AVRG	14451053.7	7.643	20.000
Aroclor-1232	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	11915328.3	7.566	20.000
(2)	6462600	6405200	6103600	5711100	5616000	5649800	AVRG	5991359.23	6.430	20.000
(3)	6436400	6122700	5902200	5542100	5524300	5539000	AVRG	5844462.53	6.486	20.000
(4)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	12401969.4	3.616	20.000
(5)	6240700	6280600	6303000	5647800	5727100	5896800	AVRG	6016010.82	4.909	20.000
Aroclor-1242	1e+007	1e+007	1e+007	8971600	1e+007	1.e+007	AVRG	10921286.2	10.368	20.000
(2)	1e+007	1e+007	1e+007	8582000	1.e+007	1.e+007	AVRG	10503558.1	10.813	20.000
(3)	2e+007	2e+007	2e+007	2.e+007	2e+007	2e+007	AVRG	22447072.2	7.087	20.000
(4)	1e+007	1e+007	1e+007	1.e+007	1e+007	1e+007	AVRG	11367913.2	5.914	20.000
(5)	1e+007	9937900	1e+007	9620200	9809600	9530900	AVRG	10016322.8	4.769	20.000
Aroclor-1248	2e+007	2e+007	2e+007	1e+007	2e+007	2e+007	AVRG	15846760.5	5.364	20.000
(2)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	17957798.5	3.646	20.000
(3)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	13503105.9	4.603	20.000
(4)	2e+007	2.e+007	2.e+007	2.e+007	2.e+007	2e+007	AVRG	20039650.6	3.834	20.000
(5)	1e+007	1e+007	1e+007	1e+007	1e+007	1e+007	AVRG	13067499.5	3.790	20.000
Aroclor-1254	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	18065440.4	3.973	20.000
(2)	2.e+007	2.e+007	2.e+007	2e+007	2.e+007	2e+007	AVRG	19992912.3	2.803	20.000
(3)	3e+007	3e+007	2e+007	3e+007	3e+007	3e+007	AVRG	26046195.1	3.584	20.000
(4)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	16381295.4	4.135	20.000
(5)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	16701677.1	1.954	20.000
Aroclor-1260	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	16870192.5	3.628	20.000
(2)	2e+007	2e+007	2e+007	2.e+007	2e+007	2e+007	AVRG	21114219.6	2.838	20.000
(3)	2.e+007	2e+007	2.e+007	2.e+007	2.e+007	2e+007	AVRG	20267441.7	2.394	20.000
(4)	3e+007	3e+007	3e+007	3.e+007	3e+007	3e+007	AVRG	30126557.8	3.950	20.000
(5)	2e+007	2e+007	2e+007	2e+007	2e+007	2e+007	AVRG	16426956.4	2.384	20.000
Tetrachloro-m-xylene	6.e+008	6e+008	6e+008	6e+008	6e+008	6e+008	AVRG	595056312	2.439	20.000
Decachlorobiphenyl	2e+008	2e+008	2e+008	2e+008	2e+008	2e+008	AVRG	221031483	6.361	20.000

FORM VI PCB

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 10-NOV-2010 12:52
 End Cal Date : 11-NOV-2010 09:54
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07DK10.b\PCB038.m
 Cal Date : 11-Nov-2010 16:40 rthomas
 Curve Type : Average

Calibration File Names:

Level 1: \\target_server\gg\chem\gc07.i\GC07DK10.b\7DK241.D
 Level 2: \\target_server\gg\chem\gc07.i\GC07DK10.b\7DK242.D
 Level 3: \\target_server\gg\chem\gc07.i\GC07DK10.b\7DK243.D
 Level 4: \\target_server\gg\chem\gc07.i\GC07DK10.b\7DK240.D
 Level 5: \\target_server\gg\chem\gc07.i\GC07DK10.b\7DK244.D
 Level 6: \\target_server\gg\chem\gc07.i\GC07DK10.b\7DK245.D

Compound	0.05000	0.10000	0.25000	1.000	2.500	10.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
M 1 Total PCBs	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Aroclor-1221(1)	4734600	4657130	4021752	3773874	3533246	2957542	3946357	17.225
(2)	5693000	5778650	5121996	5199148	5114423	4788042	5282543	7.184
(3)	4089540	4254870	3791328	3834162	3692624	3433028	3849259	7.562
(4)	15549880	15767930	14007052	14124218	14494842	12762400	14451054	7.643
4 Aroclor-1232(1)	13135760	12778510	12052728	11434253	11225253	10865465	11915328	7.566
(2)	6462580	6405160	6103612	5711062	5615972	5649769	5991359	6.430
(3)	6436420	6122700	5902240	5542063	5524343	5539009	5844463	6.486
(4)	13088820	12584990	12578660	11868513	11982994	12307840	12401969	3.616
(5)	6240660	6280580	6303028	5647819	5727129	5896849	6016011	4.909
5 Aroclor-1242(1)	12286960	11551410	11325936	8971651	10898156	10493605	10921286	10.368
(2)	11999320	10971470	10918276	8582006	10387574	10162702	10503558	10.813
(3)	24156160	22578760	23094768	19547773	23286978	22017995	22447072	7.087
(4)	12295600	11600850	11632392	10347072	11441000	10890565	11367913	5.914
(5)	10502220	9937890	10697072	9620229	9809651	9530875	10016323	4.769
6 Aroclor-1016(1)	14031260	14377930	13165652	12749849	13036438	12886120	13374542	4.987
(2)	13196040	13325100	12686712	12366707	12546459	12498240	12769876	3.099
(3)	26808660	28673120	26916400	27161040	28015845	26748440	27387251	2.858
(4)	15801180	15928590	15328812	15135953	15456493	15074349	15454229	2.254
(5)	11553940	12003680	11169868	11248060	11595511	11617696	11531459	2.590
7 Aroclor-1248(1)	17302880	16025140	16171336	14972834	15268172	15340201	15846760	5.364
(2)	19133220	18117410	18050212	17494998	17630785	17320166	17957799	3.646
(3)	14464240	13762320	13740352	12676673	13219070	13155980	13503106	4.603
(4)	21383740	19871220	19922384	20269778	19727411	19063371	20039651	3.834
(5)	13888180	13032040	13382556	12778907	12520960	12802354	13067499	3.790
8 Aroclor-1254(1)	18631700	18816440	17628176	16871393	18110915	18334019	18065440	3.973
(2)	19980060	20170450	19552296	20942698	19984298	19327672	19992912	2.803
(3)	25792540	25815690	24982600	27731334	26337920	25617086	26046195	3.584

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 10-NOV-2010 12:52
 End Cal Date : 11-NOV-2010 09:54
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07DK10.b\PCB038.m
 Cal Date : 11-Nov-2010 16:40 rthomas
 Curve Type : Average

Compound	0.05000	0.10000	0.25000	1.000	2.500	10.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
(4)	15861120	16078740	15774468	17550731	16796359	16226354	16381295	4.135
(5)	16135900	16667060	16560844	17020729	16931940	16893590	16701677	1.954
9 Aroclor-1260(1)	17402920	17674580	16588980	16028391	16506484	17019800	16870192	3.628
(2)	21381820	22069980	20922524	20262020	21149134	20899840	21114220	2.838
(3)	19769100	20871500	19987780	19782573	20466782	20726915	20267442	2.394
(4)	28936660	30596930	28851320	29503003	31402910	31468524	30126558	3.950
(5)	16293340	16650330	16216872	15814910	16714408	16871879	16426956	2.384
10 Aroclor-1262(1)	13764080	13818750	14872720	14826389	14523833	15715418	14586865	5.022
(2)	21822800	20937390	20383496	20048479	20718670	20752756	20777265	2.895
(3)	14974940	16066610	16022144	15825646	16367451	15965401	15870365	2.984
(4)	36517800	35901430	36462996	36936094	38793378	36607792	36869915	2.712
(5)	21501080	21313690	21538496	21178947	22173821	21508583	21535769	1.589
11 Aroclor-1268(1)	44433100	46957420	48036272	47212477	48377305	44798961	46635923	3.544
(2)	37599240	39908400	39799444	39308719	40382498	39991909	39498368	2.513
(3)	31466640	33918230	33313904	32774378	33770740	33794310	33173034	2.824
(4)	14224340	15246950	13371588	12741733	13126132	13628939	13723280	6.538
(5)	90851920	97043980	103016628	98902549	101695271	64420159	92655084	15.624
\$ 3 Tetrachloro-m-xylene	601287000	614495000	585028400	574974400	589433820	605119250	595056312	2.439
\$ 12 Decachlorobiphenyl	246312000	214735000	224766400	205120500	214516620	220738375	221031483	6.361

Calibration History

Method : \\target_server\gg\chem\gc07.i\GC07DK10.b\PCB038.m
 Start Cal Date: 10-NOV-2010 12:52
 End Cal Date : 11-NOV-2010 09:54
 Last Cal Level: 6
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File

Cal Level: 1 , Cal Amount: 0.05000		
=====		
11-NOV-2010 08:10	AR1268	7DK241.D
11-NOV-2010 05:34	AR1262	7DK235.D
11-NOV-2010 03:01	AR1232	7DK229.D
11-NOV-2010 00:27	AR1221	7DK223.D
10-NOV-2010 21:54	AR1254	7DK217.D
10-NOV-2010 19:20	AR1248	7DK211.D
10-NOV-2010 16:45	AR1242	7DK205.D
10-NOV-2010 13:18	AR1660	7DK197.D

Cal Level: 2 , Cal Amount: 0.10000		
=====		
11-NOV-2010 08:36	AR1268	7DK242.D
11-NOV-2010 06:00	AR1262	7DK236.D
11-NOV-2010 03:26	AR1232	7DK230.D
11-NOV-2010 00:53	AR1221	7DK224.D
10-NOV-2010 22:19	AR1254	7DK218.D
10-NOV-2010 19:46	AR1248	7DK212.D
10-NOV-2010 17:11	AR1242	7DK206.D
10-NOV-2010 13:44	AR1660	7DK198.D

Cal Level: 3 , Cal Amount: 0.25000		
=====		
11-NOV-2010 09:02	AR1268	7DK243.D
11-NOV-2010 06:26	AR1262	7DK237.D
11-NOV-2010 03:52	AR1232	7DK231.D
11-NOV-2010 01:18	AR1221	7DK225.D
10-NOV-2010 22:45	AR1254	7DK219.D
10-NOV-2010 20:11	AR1248	7DK213.D
10-NOV-2010 17:37	AR1242	7DK207.D
10-NOV-2010 14:10	AR1660	7DK199.D

Cal Level: 4 , Cal Amount: 1.00000		
=====		
11-NOV-2010 07:44	AR1268	7DK240.D
11-NOV-2010 05:09	AR1262	7DK234.D
11-NOV-2010 02:35	AR1232	7DK228.D
11-NOV-2010 00:02	AR1221	7DK222.D
10-NOV-2010 21:28	AR1254	7DK216.D
10-NOV-2010 18:54	AR1248	7DK210.D
10-NOV-2010 16:19	AR1242	7DK204.D
10-NOV-2010 12:52	AR1660	7DK196.D

Cal Level: 5 , Cal Amount: 2.50000		
11-NOV-2010 09:28	AR1268	7DK244.D
11-NOV-2010 06:52	AR1262	7DK238.D
11-NOV-2010 04:17	AR1232	7DK232.D
11-NOV-2010 01:44	AR1221	7DK226.D
10-NOV-2010 23:10	AR1254	7DK220.D
10-NOV-2010 20:37	AR1248	7DK214.D
10-NOV-2010 18:02	AR1242	7DK208.D
10-NOV-2010 14:35	AR1660	7DK200.D

Cal Level: 6 , Cal Amount: 10.00000		
11-NOV-2010 09:54	AR1268	7DK245.D
11-NOV-2010 07:18	AR1262	7DK239.D
11-NOV-2010 04:43	AR1232	7DK233.D
11-NOV-2010 02:10	AR1221	7DK227.D
10-NOV-2010 23:36	AR1254	7DK221.D
10-NOV-2010 21:03	AR1248	7DK215.D
10-NOV-2010 18:28	AR1242	7DK209.D
10-NOV-2010 15:01	AR1660	7DK201.D

Continuing Calibration
 Ccal Level Mode: BY SAMPLE

10-NOV-2010 15:53	AR1260	7DK203.D
10-NOV-2010 15:27	AR1016	7DK202.D
11-NOV-2010 07:44	AR1268	7DK240.D
11-NOV-2010 05:09	AR1262	7DK234.D
11-NOV-2010 02:35	AR1232	7DK228.D
10-NOV-2010 21:28	AR1254	7DK216.D
10-NOV-2010 18:54	AR1248	7DK210.D
10-NOV-2010 16:19	AR1242	7DK204.D
11-NOV-2010 00:02	AR1221	7DK222.D
10-NOV-2010 12:52	AR1660	7DK196.D

FORM 6
PCB INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date(s): 11/10/10 11/11/10

Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm) Calibration Time(s): 1252 0954

LAB FILE ID: RF0.05: 7DK241 RF0.1: 7DK242 RF0.25: 7DK243
RF1: 7DK240 RF2.5: 7DK244 RF10: 7DK245

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Aroclor-1016	4605600	4558300	4364700	4200400	4234400	3940800	AVRG	4317375.35	5.728	20.000
(2)	3580800	3593600	3389700	3434400	3451700	3323400	AVRG	3462259.12	3.076	20.000
(3)	8570900	8599900	8335200	8362800	8413500	7585700	AVRG	8311329.68	4.472	20.000
(4)	4260800	4199500	4103100	4130700	4087900	3861200	AVRG	4107219.28	3.331	20.000
(5)	3942400	3790300	3646700	3501900	3526800	3398500	AVRG	3634458.17	5.559	20.000
Aroclor-1221	1433200	1461700	1298400	1278000	1200200	1055300	AVRG	1287789.50	11.690	20.000
(2)	1862000	1878200	1713500	1754700	1763600	1654600	AVRG	1771106.22	4.854	20.000
(3)	1341400	1346000	1215300	1207300	1215100	1097100	AVRG	1237032.98	7.600	20.000
(4)	4888600	5033300	4458000	4618100	4641800	4014300	AVRG	4608993.78	7.737	20.000
Aroclor-1232	4066800	4054200	3787600	3676300	3709600	3484700	AVRG	3796520.12	5.992	20.000
(2)	2016900	2109400	1833100	1898000	1877300	1805600	AVRG	1923393.20	6.070	20.000
(3)	1692900	1674200	1569200	1542900	1500400	1529900	AVRG	1584924.82	5.032	20.000
(4)	4050000	3943100	3773300	3711500	3744400	3633200	AVRG	3809255.62	4.099	20.000
(5)	1981700	1921800	1807300	1763800	1799400	1752300	AVRG	1837725.40	5.044	20.000
Aroclor-1242	3970100	3784100	3725100	3093700	3600900	3334700	AVRG	3584765.85	8.925	20.000
(2)	3143600	2917700	2905800	2700500	2861300	2768800	AVRG	2882951.97	5.294	20.000
(3)	7467900	6993400	7080400	6822400	7095200	6483600	AVRG	6990506.15	4.667	20.000
(4)	3749600	3520200	3410500	3381700	3464500	3263400	AVRG	3464991.77	4.735	20.000
(5)	3488200	3221400	3084200	3055100	3040900	2839700	AVRG	3121597.18	6.962	20.000
Aroclor-1248	5122100	4842400	4836500	4502600	4453000	4166700	AVRG	4653897.68	7.373	20.000
(2)	5947900	5649200	5582400	5489200	5388300	4949400	AVRG	5501063.33	6.004	20.000
(3)	4024400	3934700	3881500	3830200	3749300	3618200	AVRG	3839728.00	3.724	20.000
(4)	7801600	7485400	7534000	7600300	7162500	6545600	AVRG	7354896.97	6.083	20.000
(5)	3161900	3074400	3149700	3175900	3021500	2917800	AVRG	3083528.57	3.258	20.000
Aroclor-1254	7489600	7514600	7436100	8223000	7313700	6687800	AVRG	7444146.62	6.589	20.000
(2)	5937500	6171500	5905300	6604600	5815700	5515600	AVRG	5991700.80	6.137	20.000
(3)	7066500	7530900	7310000	8201600	7437800	6796200	AVRG	7390496.70	6.474	20.000
(4)	4690400	4938400	4762000	5298700	4871000	4620000	AVRG	4863419.95	4.991	20.000
(5)	4711700	4746700	4799100	4981000	4823100	4583000	AVRG	4774103.18	2.763	20.000
Aroclor-1260	5070900	5115300	4921300	4887700	4858700	4641800	AVRG	4915937.05	3.441	20.000
(2)	5926000	6019900	5770500	5706700	5766600	5366600	AVRG	5759372.57	3.905	20.000
(3)	5252100	5396100	5181600	5179700	5186600	4926600	AVRG	5187142.68	2.935	20.000
(4)	8451300	8644300	8827700	8839700	8810700	8104000	AVRG	8612946.70	3.376	20.000
(5)	4798200	4952700	4775500	4930400	4841900	4648500	AVRG	4824544.53	2.308	20.000
Tetrachloro-m-xylene	2e+008	2e+008	2e+008	2e+008	2e+008	2e+008	AVRG	174465079	3.026	20.000
Decachlorobiphenyl	7e+007	7e+007	7e+007	6e+007	6e+007	6e+007	AVRG	65536635.8	3.109	20.000

FORM VI PCB

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 10-NOV-2010 12:52
 End Cal Date : 11-NOV-2010 09:54
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07DK10.b\PCB038.m\PCB038.
 Cal Date : 12-Nov-2010 09:54 gc07.i
 Curve Type : Average

Calibration File Names:

Level 1: \\target_server\gg\chem\gc07.i\GC07DK10.b\GC07DK10.b\7DK241.D
 Level 2: \\target_server\gg\chem\gc07.i\GC07DK10.b\GC07DK10.b\7DK242.D
 Level 3: \\target_server\gg\chem\gc07.i\GC07DK10.b\GC07DK10.b\7DK243.D
 Level 4: \\target_server\gg\chem\gc07.i\GC07DK10.b\GC07DK10.b\7DK240.D
 Level 5: \\target_server\gg\chem\gc07.i\GC07DK10.b\GC07DK10.b\7DK244.D
 Level 6: \\target_server\gg\chem\gc07.i\GC07DK10.b\GC07DK10.b\7DK245.D

Compound	0.05000	0.10000	0.25000	1.000	2.500	10.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
M 1 Total PCBs	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Aroclor-1221(1)	1433220	1461660	1298388	1277950	1200242	1055277	1287790	11.690
(2)	1862000	1878180	1713532	1754743	1763626	1654556	1771106	4.854
(3)	1341420	1346030	1215264	1207293	1215092	1097099	1237033	7.600
(4)	4888560	5033280	4457976	4618114	4641770	4014263	4608994	7.737
4 Aroclor-1232(1)	4066780	4054160	3787604	3676301	3709562	3484714	3796520	5.992
(2)	2016940	2109430	1833120	1897973	1877278	1805618	1923393	6.070
(3)	1692880	1674190	1569240	1542897	1500438	1529904	1584925	5.032
(4)	4050000	3943070	3773340	3711529	3744414	3633181	3809256	4.099
(5)	1981720	1921850	1807304	1763852	1799351	1752275	1837725	5.044
5 Aroclor-1016(1)	4605640	4558300	4364660	4200457	4234386	3940809	4317375	5.728
(2)	3580800	3593560	3389660	3434371	3451740	3323423	3462259	3.076
(3)	8570900	8599890	8335228	8362786	8413479	7585695	8311330	4.472
(4)	4260840	4199520	4103132	4130722	4087886	3861216	4107219	3.331
(5)	3942440	3790330	3646672	3501935	3526857	3398515	3634458	5.559
6 Aroclor-1242(1)	3970100	3784140	3725072	3093692	3600886	3334706	3584766	8.925
(2)	3143600	2917660	2905840	2700492	2861343	2768777	2882952	5.294
(3)	7467900	6993440	7080448	6822434	7095199	6483616	6990506	4.667
(4)	3749600	3520200	3410520	3381685	3464529	3263416	3464992	4.735
(5)	3488200	3221360	3084248	3055148	3040918	2839710	3121597	6.962
7 Aroclor-1248(1)	5122120	4842350	4836544	4502629	4453044	4166699	4653898	7.373
(2)	5947880	5649230	5582380	5489204	5388286	4949400	5501063	6.004
(3)	4024440	3934730	3881548	3830186	3749272	3618192	3839728	3.724
(4)	7801640	7485390	7534016	7600268	7162474	6545593	7354897	6.083
(5)	3161940	3074370	3149744	3175871	3021478	2917768	3083529	3.258
8 Aroclor-1254(1)	7489520	7514620	7436112	8223019	7313703	6687806	7444147	6.589
(2)	5937520	6171520	5905328	6604587	5815672	5515578	5991701	6.137
(3)	7066500	7530930	7310000	8201565	7437833	6796152	7390497	6.474

Report Date : 12-Nov-2010 09:55

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 10-NOV-2010 12:52
 End Cal Date : 11-NOV-2010 09:54
 Quant Method : ESTD
 Origin : Disabled
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\target_server\gg\chem\gc07.i\GC07DK10.b\PCB038.m\PCB038.
 Cal Date : 12-Nov-2010 09:54 gc07.i
 Curve Type : Average

Compound	0.05000	0.10000	0.25000	1.000	2.500	10.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
(4)	4690400	4938390	4762056	5298708	4870994	4619972	4863420	4.991
(5)	4711740	4746730	4799060	4980992	4823072	4583025	4774103	2.763
9 Aroclor-1260 (1)	5070920	5115330	4921288	4887665	4858666	4641753	4915937	3.441
(2)	5925960	6019880	5770532	5706671	5766613	5366579	5759373	3.905
(3)	5252080	5396140	5181656	5179742	5186660	4926579	5187143	2.935
(4)	8451260	8644280	8827708	8839673	8810716	8104043	8612947	3.376
(5)	4798220	4952730	4775548	4930368	4841892	4648509	4824545	2.308
10 Aroclor-1262 (1)	5048360	4922890	4798732	4684084	4714188	4364716	4755495	4.933
(2)	6572880	6371640	6439924	6296897	6258375	5752130	6281974	4.498
(3)	5657260	5481040	5568032	5447934	5486731	4978805	5436634	4.354
(4)	11004480	10542570	10900916	10909431	11035052	9388125	10630096	5.958
(5)	6511960	6250950	6562436	6353572	6483389	5917050	6346559	3.771
11 Aroclor-1268 (1)	13460600	14378040	14342772	13880688	13409284	12066939	13589720	6.280
(2)	12416520	13331070	13513400	12541223	12454247	11222277	12579790	6.480
(3)	10465280	10909280	10105844	9699769	9710870	8942631	9972279	6.862
(4)	3882820	4196050	4036616	3845078	3905502	3932466	3966422	3.272
(5)	26540440	29501150	29306740	27470334	25559836	21093034	26578589	11.647
\$ 2 Tetrachloro-m-xylene	167269000	170873500	171394000	178533550	179958360	178762065	174465079	3.025
\$ 12 Decachlorobiphenyl	68413000	67515500	65580400	64125200	64288360	63297355	65536636	3.109

Calibration History

Method : \\target_server\gg\chem\gc07.i\GC07DK10.b\PCB038.m\PCB038.m
 Start Cal Date: 10-NOV-2010 12:52
 End Cal Date : 11-NOV-2010 09:54
 Last Cal Level: 4
 Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
11-NOV-2010 08:10	AR1268	7DK241.D
11-NOV-2010 05:34	AR1262	7DK235.D
11-NOV-2010 03:01	AR1232	7DK229.D
11-NOV-2010 00:27	AR1221	7DK223.D
10-NOV-2010 21:54	AR1254	7DK217.D
10-NOV-2010 19:20	AR1248	7DK211.D
10-NOV-2010 16:45	AR1242	7DK205.D
10-NOV-2010 13:18	AR1660	7DK197.D

Cal Level: 2 , Cal Amount: 0.10000		
11-NOV-2010 08:36	AR1268	7DK242.D
11-NOV-2010 06:00	AR1262	7DK236.D
11-NOV-2010 03:26	AR1232	7DK230.D
11-NOV-2010 00:53	AR1221	7DK224.D
10-NOV-2010 22:19	AR1254	7DK218.D
10-NOV-2010 19:46	AR1248	7DK212.D
10-NOV-2010 17:11	AR1242	7DK206.D
10-NOV-2010 13:44	AR1660	7DK198.D

Cal Level: 3 , Cal Amount: 0.25000		
11-NOV-2010 09:02	AR1268	7DK243.D
11-NOV-2010 06:26	AR1262	7DK237.D
11-NOV-2010 03:52	AR1232	7DK231.D
11-NOV-2010 01:18	AR1221	7DK225.D
10-NOV-2010 22:45	AR1254	7DK219.D
10-NOV-2010 20:11	AR1248	7DK213.D
10-NOV-2010 17:37	AR1242	7DK207.D
10-NOV-2010 14:10	AR1660	7DK199.D

Cal Level: 4 , Cal Amount: 1.00000		
11-NOV-2010 07:44	AR1268	7DK240.D
11-NOV-2010 05:09	AR1262	7DK234.D
11-NOV-2010 02:35	AR1232	7DK228.D
11-NOV-2010 00:02	AR1221	7DK222.D
10-NOV-2010 21:28	AR1254	7DK216.D
10-NOV-2010 18:54	AR1248	7DK210.D
10-NOV-2010 16:19	AR1242	7DK204.D
10-NOV-2010 12:52	AR1660	7DK196.D

Cal Level: 5 , Cal Amount: 2.50000		
11-NOV-2010 09:28	AR1268	7DK244.D
11-NOV-2010 06:52	AR1262	7DK238.D
11-NOV-2010 04:17	AR1232	7DK232.D
11-NOV-2010 01:44	AR1221	7DK226.D
10-NOV-2010 23:10	AR1254	7DK220.D
10-NOV-2010 20:37	AR1248	7DK214.D
10-NOV-2010 18:02	AR1242	7DK208.D
10-NOV-2010 14:35	AR1660	7DK200.D

Cal Level: 6 , Cal Amount: 10.00000		
11-NOV-2010 09:54	AR1268	7DK245.D
11-NOV-2010 07:18	AR1262	7DK239.D
11-NOV-2010 04:43	AR1232	7DK233.D
11-NOV-2010 02:10	AR1221	7DK227.D
10-NOV-2010 23:36	AR1254	7DK221.D
10-NOV-2010 21:03	AR1248	7DK215.D
10-NOV-2010 18:28	AR1242	7DK209.D
10-NOV-2010 15:01	AR1660	7DK201.D

Continuing Calibration
 Ccal Level Mode: BY SAMPLE

10-NOV-2010 16:19	AR1242	7DK204.D
10-NOV-2010 15:53	AR1260	7DK203.D
10-NOV-2010 15:27	AR1016	7DK202.D
11-NOV-2010 02:35	AR1232	7DK228.D
10-NOV-2010 18:54	AR1248	7DK210.D
10-NOV-2010 16:19	AR1242	7DK204.D
11-NOV-2010 07:44	AR1268	7DK240.D
11-NOV-2010 05:09	AR1262	7DK234.D
11-NOV-2010 00:02	AR1221	7DK222.D
10-NOV-2010 21:28	AR1254	7DK216.D
10-NOV-2010 12:52	AR1660	7DK196.D

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/10/10 Time: 1527

Lab File ID: 7DK202 Init. Calib. Date(s): 11/10/10 11/11/10

Init. Calib. Times: 1252 0954

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	13374000	13590000	0.001	1.62	20.00	AVRG
(2)	12770000	13371000	0.001	4.71	20.00	AVRG
(3)	27387000	29463000	0.001	7.58	20.00	AVRG
(4)	15454000	16293000	0.001	5.43	20.00	AVRG
(5)	11532000	11944000	0.001	3.57	20.00	AVRG
Average %D: 4.5800						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/10/10 Time: 1527

Lab File ID: 7DK202 Init. Calib. Date(s): 11/10/10 11/11/10

Init. Calib. Times: 1252 0954

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	4317400.0	4490200.0	0.001	4.00	20.00	AVRG
(2)	3462300.0	3641300.0	0.001	5.17	20.00	AVRG
(3)	8311300.0	8875500.0	0.001	6.79	20.00	AVRG
(4)	4107200.0	4348800.0	0.001	5.88	20.00	AVRG
(5)	3634400.0	3689800.0	0.001	1.52	20.00	AVRG
Average %D: 4.6700						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/10/10 Time: 1553

Lab File ID: 7DK203 Init. Calib. Date(s): 11/10/10 11/11/10

Init. Calib. Times: 1252 0954

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1260	16870000	16167000	0.001	-4.17	20.00	AVRG
(2)	21114000	21081000	0.001	-0.16	20.00	AVRG
(3)	20268000	21572000	0.001	6.43	20.00	AVRG
(4)	30126000	26536000	0.001	-11.92	20.00	AVRG
(5)	16427000	15030000	0.001	-8.50	20.00	AVRG
Average %D: -3.660						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/10/10 Time: 1553

Lab File ID: 7DK203 Init. Calib. Date(s): 11/10/10 11/11/10

Init. Calib. Times: 1252 0954

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1260	4916000.0	4891600.0	0.001	-0.50	20.00	AVRG
(2)	5759400.0	5760400.0	0.001	0.02	20.00	AVRG
(3)	5187100.0	5764500.0	0.001	11.13	20.00	AVRG
(4)	8613000.0	7985700.0	0.001	-7.28	20.00	AVRG
(5)	4824500.0	4517700.0	0.001	-6.36	20.00	AVRG
Average %D: -0.600						

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/29/10 Time: 0913

Lab File ID: 7DK414 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	13374000	11542000	0.001	-13.70	20.00	AVRG
(2)	12770000	11230000	0.001	-12.06	20.00	AVRG
(3)	27387000	25256000	0.001	-7.78	20.00	AVRG
(4)	15454000	13611000	0.001	-11.93	20.00	AVRG
(5)	11532000	10090000	0.001	-12.50	20.00	AVRG
Average %D: -11.59						
Aroclor-1260	16870000	15085000	0.001	-10.58	20.00	AVRG
(2)	21114000	19431000	0.001	-7.97	20.00	AVRG
(3)	20268000	18141000	0.001	-10.49	20.00	AVRG
(4)	30126000	26919000	0.001	-10.64	20.00	AVRG
(5)	16427000	14374000	0.001	-12.50	20.00	AVRG
Average %D: -10.44						
Decachlorobiphenyl	221030000	180920000	0.001	-18.15	20.00	AVRG
Tetrachloro-m-xylene	595060000	506770000	0.001	-14.84	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/29/10 Time: 0913

Lab File ID: 7DK414 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	4317400.0	3560900.0	0.001	-17.52	20.00	AVRG
(2)	3462300.0	2961100.0	0.001	-14.48	20.00	AVRG
(3)	8311300.0	7070600.0	0.001	-14.93	20.00	AVRG
(4)	4107200.0	3503000.0	0.001	-14.71	20.00	AVRG
(5)	3634400.0	3015200.0	0.001	-17.04	20.00	AVRG
Average %D: -15.73						
Aroclor-1260	4916000.0	4087700.0	0.001	-16.85	20.00	AVRG
(2)	5759400.0	4807400.0	0.001	-16.53	20.00	AVRG
(3)	5187100.0	4173100.0	0.001	-19.55	20.00	AVRG
(4)	8613000.0	6967400.0	0.001	-19.11	20.00	AVRG
(5)	4824500.0	3873100.0	0.001	-19.72	20.00	AVRG
Average %D: -18.35						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	174460000	147160000	0.001	-15.65	20.00	AVRG
Decachlorobiphenyl	65536000	52520000	0.001	-19.86	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/29/10 Time: 1951

Lab File ID: 7DK428 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	13374000	11651000	0.001	-12.88	20.00	AVRG
(2)	12770000	10650000	0.001	-16.60	20.00	AVRG
(3)	27387000	23808000	0.001	-13.07	20.00	AVRG
(4)	15454000	12815000	0.001	-17.08	20.00	AVRG
(5)	11532000	12937000	0.001	12.18	20.00	AVRG
Average %D: -9.480						
Aroclor-1260	16870000	15748000	0.001	-6.65	20.00	AVRG
(2)	21114000	21372000	0.001	1.22	20.00	AVRG
(3)	20268000	20682000	0.001	2.04	20.00	AVRG
(4)	30126000	28042000	0.001	-6.92	20.00	AVRG
(5)	16427000	14940000	0.001	-9.05	20.00	AVRG
Average %D: -3.880						
=====	=====	=====	=====	=====	=====	=====
Decachlorobiphenyl	221030000	211920000	0.001	-4.12	20.00	AVRG
Tetrachloro-m-xylene	595060000	583170000	0.001	-2.00	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/29/10 Time: 1951

Lab File ID: 7DK428 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	4317400.0	3860500.0	0.001	-10.58	20.00	AVRG
(2)	3462300.0	3550400.0	0.001	2.54	20.00	AVRG
(3)	8311300.0	8182100.0	0.001	-1.55	20.00	AVRG
(4)	4107200.0	3820100.0	0.001	-6.99	20.00	AVRG
(5)	3634400.0	3783600.0	0.001	4.10	20.00	AVRG
Average %D: -2.480						
Aroclor-1260	4916000.0	4541100.0	0.001	-7.63	20.00	AVRG
(2)	5759400.0	5220000.0	0.001	-9.36	20.00	AVRG
(3)	5187100.0	4649500.0	0.001	-10.36	20.00	AVRG
(4)	8613000.0	7937200.0	0.001	-7.85	20.00	AVRG
(5)	4824500.0	4487700.0	0.001	-6.98	20.00	AVRG
Average %D: -8.440						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	174460000	151970000	0.001	-12.89	20.00	AVRG
Decachlorobiphenyl	65536000	61511000	0.001	-6.14	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/30/10 Time: 0155

Lab File ID: 7DK442 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Aroclor-1016	13374000	12426000	0.001	-7.09	20.00	AVRG
(2)	12770000	12111000	0.001	-5.16	20.00	AVRG
(3)	27387000	27190000	0.001	-0.72	20.00	AVRG
(4)	15454000	15314000	0.001	-0.90	20.00	AVRG
(5)	11532000	11544000	0.001	0.10	20.00	AVRG
Average %D: -2.750						
Aroclor-1260	16870000	16722000	0.001	-0.88	20.00	AVRG
(2)	21114000	20916000	0.001	-0.94	20.00	AVRG
(3)	20268000	20684000	0.001	2.05	20.00	AVRG
(4)	30126000	30274000	0.001	0.49	20.00	AVRG
(5)	16427000	16562000	0.001	0.82	20.00	AVRG
Average %D: 0.3100						
Decachlorobiphenyl	221030000	223880000	0.001	1.29	20.00	AVRG
Tetrachloro-m-xylene	595060000	559010000	0.001	-6.06	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/30/10 Time: 0155

Lab File ID: 7DK442 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	4317400.0	4005200.0	0.001	-7.23	20.00	AVRG
(2)	3462300.0	3293300.0	0.001	-4.88	20.00	AVRG
(3)	8311300.0	8168800.0	0.001	-1.71	20.00	AVRG
(4)	4107200.0	3949200.0	0.001	-3.85	20.00	AVRG
(5)	3634400.0	3401700.0	0.001	-6.40	20.00	AVRG
Average %D: -4.820						
Aroclor-1260	4916000.0	4699000.0	0.001	-4.41	20.00	AVRG
(2)	5759400.0	5473000.0	0.001	-4.97	20.00	AVRG
(3)	5187100.0	5026000.0	0.001	-3.10	20.00	AVRG
(4)	8613000.0	8418600.0	0.001	-2.26	20.00	AVRG
(5)	4824500.0	4717600.0	0.001	-2.22	20.00	AVRG
Average %D: -3.390						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	174460000	163610000	0.001	-6.22	20.00	AVRG
Decachlorobiphenyl	65536000	63080000	0.001	-3.75	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/30/10 Time: 1518

Lab File ID: 7DK447 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	13374000	12412000	0.001	-7.19	20.00	AVRG
(2)	12770000	11770000	0.001	-7.83	20.00	AVRG
(3)	27387000	26309000	0.001	-3.94	20.00	AVRG
(4)	15454000	14480000	0.001	-6.30	20.00	AVRG
(5)	11532000	11662000	0.001	1.13	20.00	AVRG
Average %D: -4.830						
Aroclor-1260	16870000	16198000	0.001	-3.98	20.00	AVRG
(2)	21114000	20948000	0.001	-0.79	20.00	AVRG
(3)	20268000	19045000	0.001	-6.03	20.00	AVRG
(4)	30126000	29530000	0.001	-1.98	20.00	AVRG
(5)	16427000	16986000	0.001	3.40	20.00	AVRG
Average %D: -1.880						
=====	=====	=====	=====	=====	=====	=====
Decachlorobiphenyl	221030000	210710000	0.001	-4.67	20.00	AVRG
Tetrachloro-m-xylene	595060000	575490000	0.001	-3.29	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/30/10 Time: 1518

Lab File ID: 7DK447 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	4317400.0	3823700.0	0.001	-11.44	20.00	AVRG
(2)	3462300.0	3220000.0	0.001	-7.00	20.00	AVRG
(3)	8311300.0	7749800.0	0.001	-6.76	20.00	AVRG
(4)	4107200.0	3770700.0	0.001	-8.19	20.00	AVRG
(5)	3634400.0	3260900.0	0.001	-10.28	20.00	AVRG
Average %D: -8.730						
Aroclor-1260	4916000.0	4398200.0	0.001	-10.53	20.00	AVRG
(2)	5759400.0	5186900.0	0.001	-9.94	20.00	AVRG
(3)	5187100.0	4658100.0	0.001	-10.20	20.00	AVRG
(4)	8613000.0	8044800.0	0.001	-6.60	20.00	AVRG
(5)	4824500.0	4598700.0	0.001	-4.68	20.00	AVRG
Average %D: -8.390						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	174460000	163800000	0.001	-6.11	20.00	AVRG
Decachlorobiphenyl	65536000	61232000	0.001	-6.57	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/30/10 Time: 2152

Lab File ID: 7DK462 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE1 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	13374000	10813000	0.001	-19.15	20.00	AVRG
(2)	12770000	10685000	0.001	-16.33	20.00	AVRG
(3)	27387000	22889000	0.001	-16.42	20.00	AVRG
(4)	15454000	12722000	0.001	-17.68	20.00	AVRG
(5)	11532000	13094000	0.001	13.54	20.00	AVRG
Average %D: -11.20						
Aroclor-1260	16870000	14625000	0.001	-13.31	20.00	AVRG
(2)	21114000	20150000	0.001	-4.56	20.00	AVRG
(3)	20268000	18597000	0.001	-8.24	20.00	AVRG
(4)	30126000	27527000	0.001	-8.63	20.00	AVRG
(5)	16427000	13833000	0.001	-15.79	20.00	AVRG
Average %D: -10.12						
=====	=====	=====	=====	=====	=====	=====
Decachlorobiphenyl	221030000	196420000	0.001	-11.13	20.00	AVRG
Tetrachloro-m-xylene	595060000	541960000	0.001	-8.92	20.00	AVRG

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC07 Calibration Date: 11/30/10 Time: 2152

Lab File ID: 7DK462 Init. Calib. Date(s): 11/10/10 11/10/10

Init. Calib. Times: 1252 1501

GC Column: ZB-MULTIRESIDUE2 ID: 0.53 (mm)

COMPOUND	RRF OR AMOUNT	RRF0.2500 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====
Aroclor-1016	4317400.0	3542000.0	0.001	-17.96	20.00	AVRG
(2)	3462300.0	3268600.0	0.001	-5.59	20.00	AVRG
(3)	8311300.0	7648600.0	0.001	-7.97	20.00	AVRG
(4)	4107200.0	3329600.0	0.001	-18.93	20.00	AVRG
(5)	3634400.0	3368700.0	0.001	-7.31	20.00	AVRG
Average %D: -11.56						
Aroclor-1260	4916000.0	4241600.0	0.001	-13.72	20.00	AVRG
(2)	5759400.0	4783300.0	0.001	-16.95	20.00	AVRG
(3)	5187100.0	4220100.0	0.001	-18.64	20.00	AVRG
(4)	8613000.0	7291800.0	0.001	-15.34	20.00	AVRG
(5)	4824500.0	4031900.0	0.001	-16.43	20.00	AVRG
Average %D: -16.20						
=====	=====	=====	=====	=====	=====	=====
Tetrachloro-m-xylene	174460000	124750000	0.001	-28.49	20.00	AVRG <-
Decachlorobiphenyl	65536000	57246000	0.001	-12.65	20.00	AVRG

FORM VII PEST

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	SBF1-10-12-11/2010	SD7209-1	52	44	87						0
02	SBF1-50-55-11/2010	SD7209-2	60	41	82						0
03	SBF1-55-58-11/2010	SD7209-3	45	36	59						0
04	SBF1-61-63-11/2010	SD7209-4	46	28	62						0
05	SBA1-27-33-11/2010	SD7209-5	50	42	76						0
06	SAA1-0-2-11/2010	SD7209-6	37	30	75						0
07	WG85308-BLANK	WG85308-1	49	35	62						0
08	WG85308-LCS	WG85308-2	35	49	64						0
09	WG85308-LCSD	WG85308-3	95*	52	75						1
10	FD11171001	SD7209-7	46	35	79						0
11	SBA1-2-4'-11/2010	SD7209-8	55	44	78						0
12	SBA1-46-47'-11/2010	SD7209-9	50	40	70						0
13											
14											
15											
16											
17											
18											
19											
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21											
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23											
24											
25											
26											
27											
28											

QC LIMITS

S1 = 2-Methylnaphthalene-D1 (19- 94)
 S2 = Fluorene-D10 (20- 96)
 S3 = Pyrene-D10 (31-128)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT # OUT
01	WG85396-BLANK	WG85396-1	55	47	74						0
02	RB11171001	SD7209-10	67	46	88						0
03	WG85396-LCS	WG85396-2	105*	60	74						1
04	WG85396-LCSD	WG85396-3	78	46	75						0
05											
06											
07											
08											
09											
10											
11											
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26											
27											
28											

QC LIMITS

S1 = 2-Methylnaphthalene-D1 (43- 92)
 S2 = Fluorene-D10 (29-101)
 S3 = Pyrene-D10 (53-166)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85308-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1
 Lab File ID: R8250 Lab Sample ID: WG85308-1
 Instrument ID: GCMS-R Date Extracted: 11/19/10
 Matrix: (soil/water) SOIL Date Analyzed: 11/24/10
 Level: (low/med) LOW Time Analyzed: 1450

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SBF1-10-12-11/2010	SD7209-1	R8239	11/23/10	1816
02	SBF1-50-55-11/2010	SD7209-2	R8240	11/23/10	1900
03	SBF1-55-58-11/2010	SD7209-3	R8241	11/23/10	1944
04	SBF1-61-63-11/2010	SD7209-4	R8242	11/23/10	2028
05	SBA1-27-33-11/2010	SD7209-5	R8243	11/23/10	2111
06	SAA1-0-2-11/2010	SD7209-6	R8244	11/23/10	2155
07	WG85308-LCS	WG85308-2	R8251	11/24/10	1533
08	WG85308-LCSD	WG85308-3	R8252	11/24/10	1617
09	FD11171001	SD7209-7	R8253	11/24/10	1700
10	SBA1-2-4'-11/2010	SD7209-8	R8254	11/24/10	1743
11	SBA1-46-47'-11/2010	SD7209-9	R8255	11/24/10	1827
12					
13					
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COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85308-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: NA
Report Date: 08-dec-2010 09:47

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	2.6	ug/Kgdrywt	1	20	20.	2.6	10.
1-Methylnaphthalene	U	1.7	ug/Kgdrywt	1	20	20.	1.7	10.
2-Methylnaphthalene	U	2.2	ug/Kgdrywt	1	20	20.	2.2	10.
Acenaphthylene	U	1.2	ug/Kgdrywt	1	20	20.	1.2	10.
Acenaphthene	U	1.5	ug/Kgdrywt	1	20	20.	1.5	10.
Fluorene	U	3.2	ug/Kgdrywt	1	20	20.	3.2	10.
Phenanthrene	U	1.8	ug/Kgdrywt	1	20	20.	1.8	10.
Anthracene	U	1.2	ug/Kgdrywt	1	20	20.	1.2	10.
Fluoranthene	U	1.8	ug/Kgdrywt	1	20	20.	1.8	10.
Pyrene	U	2.1	ug/Kgdrywt	1	20	20.	2.1	10.
Benzo (a) anthracene	U	1.9	ug/Kgdrywt	1	20	20.	1.9	10.
Chrysene	U	1.7	ug/Kgdrywt	1	20	20.	1.7	10.
Benzo (b) Fluoranthene	U	2.4	ug/Kgdrywt	1	20	20.	2.4	10.
Benzo(k)fluoranthene	U	3.1	ug/Kgdrywt	1	20	20.	3.1	10.
Benzo(a)pyrene	U	3.3	ug/Kgdrywt	1	20	20.	3.3	10.
Indeno (1,2,3-cd) pyrene	U	1.9	ug/Kgdrywt	1	20	20.	1.9	10.
Dibenzo (a,h) anthracene	U	1.8	ug/Kgdrywt	1	20	20.	1.8	10.
Benzo(g,h,i)perylene	U	2.0	ug/Kgdrywt	1	20	20.	2.0	10.
2-Methylnaphthalene-D10		48.9	%					
Fluorene-D10		35.2	%					
Pyrene-D10		61.8	%					

LCS/LCSD Recovery Report

LCS ID: WG85308-2
LCSD ID: WG85308-3
Project:
SDG: CTOJM30-1
Report Date: 08-dec-2010 09:47

Received Date: 19-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 24-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Naphthalene	66.7	38.4	57.6	38.6	57.9	ug/Kgdrywt	0	50	54-94
1-Methylnaphthalene	66.7	40.6	60.9	41.7	62.5	ug/Kgdrywt	3	50	36-114
2-Methylnaphthalene	66.7	45.8	68.7J	46.0	69.0J	ug/Kgdrywt	0	50	75-132
Acenaphthylene	66.7	40.2	60.3	38.0	57.0	ug/Kgdrywt	6	50	51-103
Acenaphthene	66.7	44.5	66.7	43.7	65.5	ug/Kgdrywt	2	50	56-97
Fluorene	66.7	40.2	60.3J	41.2	61.8	ug/Kgdrywt	2	50	61-103
Phenanthrene	66.7	57.4	86.0	56.2	84.2	ug/Kgdrywt	2	50	58-122
Anthracene	66.7	49.0	73.5	46.8	70.2	ug/Kgdrywt	4	50	55-113
Fluoranthene	66.7	56.3	84.4	56.5	84.7	ug/Kgdrywt	0	50	68-126
Pyrene	66.7	45.4	68.1	51.4	77.1	ug/Kgdrywt	12	50	33-133
Benzo (a) anthracene	66.7	40.9	61.3	47.3	70.9	ug/Kgdrywt	14	50	50-138
Chrysene	66.7	47.3	70.9	51.9	77.8	ug/Kgdrywt	9	50	44-132
Benzo (b) Fluoranthene	66.7	45.5	68.2	48.5	72.7	ug/Kgdrywt	6	50	44-119
Benzo(k)fluoranthene	66.7	51.8	77.7	49.0	73.5	ug/Kgdrywt	6	50	40-120
Benzo(a)pyrene	66.7	62.8	94.2	61.2	91.8	ug/Kgdrywt	2	50	52-113
Indeno (1,2,3-cd) pyrene	66.7	51.7	77.5	51.4	77.1	ug/Kgdrywt	0	50	32-134
Dibenzo (a,h) anthracene	66.7	52.3	78.4	52.2	78.3	ug/Kgdrywt	0	50	30-134
Benzo(g,h,i)perylene	66.7	52.0	78.0	51.4	77.1	ug/Kgdrywt	1	50	43-121
2-Methylnaphthalene-D10			35.0		95.5J				19-94
Fluorene-D10			49.3		52.0				20-96
Pyrene-D10			63.7		75.0				31-128

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85396-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1
 Lab File ID: R8235 Lab Sample ID: WG85396-1
 Instrument ID: GCMS-R Date Extracted: 11/22/10
 Matrix: (soil/water) WATER Date Analyzed: 11/23/10
 Level: (low/med) LOW Time Analyzed: 1522

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	RB11171001	SD7209-10	R8236	11/23/10	1606
02	WG85396-LCS	WG85396-2	R8237	11/23/10	1649
03	WG85396-LCSD	WG85396-3	R8238	11/23/10	1733
04					
05					
06					
07					
08					
09					
10					
11					
12					
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29					
30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85396-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85396

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA
Report Date: 08-dec-2010 09:47

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	0.064	ug/L	1	.2	0.20	0.064	0.10
1-Methylnaphthalene	U	0.068	ug/L	1	.2	0.20	0.068	0.10
2-Methylnaphthalene	U	0.077	ug/L	1	.2	0.20	0.077	0.10
Acenaphthylene	U	0.054	ug/L	1	.2	0.20	0.054	0.10
Acenaphthene	U	0.064	ug/L	1	.2	0.20	0.064	0.10
Fluorene	U	0.061	ug/L	1	.2	0.20	0.061	0.10
Phenanthrene	U	0.051	ug/L	1	.2	0.20	0.051	0.10
Anthracene	U	0.044	ug/L	1	.2	0.20	0.044	0.10
Fluoranthene	U	0.073	ug/L	1	.2	0.20	0.073	0.10
Pyrene	U	0.059	ug/L	1	.2	0.20	0.059	0.10
Benzo (a) anthracene	U	0.046	ug/L	1	.2	0.20	0.046	0.10
Chrysene	U	0.036	ug/L	1	.2	0.20	0.036	0.10
Benzo (b) Fluoranthene	U	0.089	ug/L	1	.2	0.20	0.089	0.10
Benzo(k)fluoranthene	U	0.049	ug/L	1	.2	0.20	0.049	0.10
Benzo(a)pyrene	U	0.066	ug/L	1	.2	0.20	0.066	0.10
Indeno (1,2,3-cd) pyrene	U	0.052	ug/L	1	.2	0.20	0.052	0.10
Dibenzo (a,h) anthracene	U	0.070	ug/L	1	.2	0.20	0.070	0.10
Benzo(g,h,i)perylene	U	0.065	ug/L	1	.2	0.20	0.065	0.10
2-Methylnaphthalene-D10		55.1	%					
Fluorene-D10		46.9	%					
pyrene-d10		74.0	%					

LCS/LCSD Recovery Report

LCS ID: WG85396-2
LCSD ID: WG85396-3
Project:
SDG: CTOJM30-1
Report Date: 08-dec-2010 09:48

Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85396

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Naphthalene	2.00	1.57	78.5	1.03	51.5	ug/L	42*	20	46-84
1-Methylnaphthalene	2.00	1.44	72.0	1.05	52.5	ug/L	31*	20	51-82
2-Methylnaphthalene	2.00	1.64	82.0	1.14	57.0	ug/L	36*	20	51-114
Acenaphthylene	2.00	1.65	82.5	1.40	70.0	ug/L	16	20	55-105
Acenaphthene	2.00	1.62	81.0	1.39	69.5	ug/L	15	20	53-90
Fluorene	2.00	1.50	75.0	1.29	64.5	ug/L	15	20	53-95
Phenanthrene	2.00	1.86	93.0	1.65	82.5	ug/L	12	20	73-100
Anthracene	2.00	1.60	80.0	1.45	72.5	ug/L	10	20	70-95
Fluoranthene	2.00	1.83	91.5	1.62	81.0 JOK	ug/L	12	20	81-109
Pyrene	2.00	1.50	75.0	1.50	75.0	ug/L	0	20	71-104
Benzo (a) anthracene	2.00	1.41	70.5	1.42	71.0	ug/L	1	20	70-110
Chrysene	2.00	1.47	73.5	1.50	75.0	ug/L	2	20	70-95
Benzo (b) Fluoranthene	2.00	1.62	81.0	1.54	77.0	ug/L	5	20	67-102
Benzo(k)fluoranthene	2.00	1.59	79.5	1.78	89.0	ug/L	11	20	68-103
Benzo(a)pyrene	2.00	2.03	102.1	2.18	109.1	ug/L	7	20	63-98
Indeno (1,2,3-cd) pyrene	2.00	1.50	75.0	1.70	85.0	ug/L	12	20	61-112
Dibenzo (a,h) anthracene	2.00	1.56	78.0	1.79	89.5	ug/L	14	20	66-108
Benzo(g,h,i)perylene	2.00	1.57	78.5	1.77	88.5	ug/L	12	20	62-106
2-Methylnaphthalene-D10			105.J		78.0				43-92
Fluorene-D10			60.3		46.3				29-101
pyrene-d10			74.3		74.8				53-166

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: RD309 DFTPP Injection Date: 11/23/10

Instrument ID: GCMS-R DFTPP Injection Time: 1000

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	40.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	28.1
365	1.0 - 100.0% of mass 198	3.4
441	0.0 - 100.0% of mass 443	10.4 (73.4)2
442	40.0 - 100.0% of mass 198	73.1
443	17.0 - 23.0% of mass 442	14.1 (19.3)3

1-Value is % mass 69

2-Value is % mass 443

3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00R1123	R8228	11/23/10	1019
02		SSTD8.00R1123	R8229	11/23/10	1103
03		SSTD5.00R1123	R8230	11/23/10	1146
04		SSTD2.00R1123	R8231	11/23/10	1229
05		SSTD0.50R1123	R8232	11/23/10	1313
06		SSTD0.20R1123	R8233	11/23/10	1356
07		SIM IND CHECK	R8234	11/23/10	1439
08	WG85396-BLANK	WG85396-1	R8235	11/23/10	1522
09	RB11171001	SD7209-10	R8236	11/23/10	1606
10	WG85396-LCS	WG85396-2	R8237	11/23/10	1649
11	WG85396-LCSD	WG85396-3	R8238	11/23/10	1733
12	SBF1-10-12-11/2010	SD7209-1	R8239	11/23/10	1816
13	SBF1-50-55-11/2010	SD7209-2	R8240	11/23/10	1900
14	SBF1-55-58-11/2010	SD7209-3	R8241	11/23/10	1944
15	SBF1-61-63-11/2010	SD7209-4	R8242	11/23/10	2028
16	SBA1-27-33-11/2010	SD7209-5	R8243	11/23/10	2111
17	SAA1-0-2-11/2010	SD7209-6	R8244	11/23/10	2155
18					
19					
20					

page 1 of 1

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-R Calibration Date(s): 11/23/10 11/23/10

Column: RTX5-MS ID: 0.25 (mm) Calibration Time(s): 1019 1356

LAB FILE ID: RF0.2: R8233 RF0.5: R8232 RF1: R8228
RF2: R8231 RF5: R8230 RF8: R8229

COMPOUND	RF							CURVE	COEFFICIENTS			%RSD OR R^2	MAX %RSD OR R^2
	RF0.2	RF0.5	RF1	RF2	RF5	RF8	A0		A1	A2			
Naphthalene	24804	66701	138170	275660	609890	924000	2ORDR	0.13259430	0.34863370	0.16198625	0.99616	0.99000	
2-Methylnaphthalene	23217	56315	82894	154840	394170	646950	2ORDR	-9.68e-002	1.27536013	0.17891496	0.99672	0.99000	
1-Methylnaphthalene	21647	47875	92752	170020	434660	707010	2ORDR	-2.28e-002	1.08430882	0.16278367	0.99656	0.99000	
Acenaphthylene	21176	61252	132000	273470	631620	1002400	2ORDR	-4.7e-002	0.48186633	9.637e-003	0.99260	0.99000	
Acenaphthene	1.494	1.237	1.800	1.605	0.979	0.958	AVRG		1.34529318		25.580	15.000	
Fluorene	14195	39100	83379	169900	426660	669390	2ORDR	-3.77e-002	0.75737550	1.79e-002	0.99612	0.99000	
Phenanthrene	11902	33206	86084	160980	480280	781330	2ORDR	-1.71e-002	1.19358135	-2.77e-002	0.99992	0.99000	
Anthracene	1.279	1.150	1.116	1.148	1.164	1.355	AVRG		1.20201120		7.802	15.000	
Fluoranthene	0.889	0.809	0.874	0.894	1.006	1.127	AVRG		0.93325437		12.247	15.000	
Pyrene	1.359	1.316	1.350	1.352	1.296	1.730	AVRG		1.40028982		11.648	15.000	
Benzo(a)anthracene	4428	14070	46273	101230	320010	387880	LINR	0.17733330	1.14018380		0.99832	0.99000	
Chrysene	1.612	1.507	1.326	1.381	1.134	1.334	AVRG		1.38243727		11.892	15.000	
Benzo(b)fluoranthene	4122	14390	41026	87684	230700	285910	LINR	0.10757930	1.04655870		0.99884	0.99000	
Benzo(k)fluoranthene	2.115	1.931	1.867	1.695	1.886	1.764	AVRG		1.87644758		7.748	15.000	
Benzo(a)pyrene	0.729	0.852	0.992	0.932	1.048	1.037	AVRG		0.93154430		13.214	15.000	
Indeno(1,2,3-cd)pyrene	0.738	0.708	0.796	0.768	0.906	0.920	AVRG		0.80600037		10.911	15.000	
Dibenzo(a,h)anthracene	0.548	0.504	0.588	0.570	0.689	0.702	AVRG		0.60005981		13.153	15.000	
Benzo(g,h,i)perylene	0.799	0.683	0.738	0.699	0.787	0.797	AVRG		0.75047942		6.855	15.000	
2-Methylnaphthalene-D10	10835	27889	53063	111620	302980	487230	2ORDR	4.78e-002	1.66352555	0.30779662	0.99874	0.99000	
Fluorene-D10	18964	47633	85502	149800	386340	632730	2ORDR	-0.1967905	0.93445529	8.545e-003	0.99497	0.99000	
Pyrene-D10	0.791	0.771	0.807	0.811	0.787	1.064	AVRG		0.83844756		13.297	15.000	

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID: RD310 DFTPP Injection Date: 11/24/10

Instrument ID: GCMS-R DFTPP Injection Time: 1340

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	47.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	55.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	26.2
365	1.0 - 100.0% of mass 198	3.0
441	0.0 - 100.0% of mass 443	8.3 (77.9)2
442	40.0 - 100.0% of mass 198	55.2
443	17.0 - 23.0% of mass 442	10.6 (19.3)3

1-Value is % mass 69
3-Value is % mass 442

2-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00R1124	R8249	11/24/10	1404
02	WG85308-BLANK	WG85308-1	R8250	11/24/10	1450
03	WG85308-LCS	WG85308-2	R8251	11/24/10	1533
04	WG85308-LCSD	WG85308-3	R8252	11/24/10	1617
05	FD11171001	SD7209-7	R8253	11/24/10	1700
06	SBA1-2-4'-11/2010	SD7209-8	R8254	11/24/10	1743
07	SBA1-46-47'-11/2010	SD7209-9	R8255	11/24/10	1827
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GCMS-R Calibration Date: 11/24/10 Time: 1404

Lab File ID: R8249 Init. Calib. Date(s): 11/23/10 11/23/10

Init. Calib. Times: 1019 1356

GC Column: RTX5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	0.8167700	1.0000000	1.2009000	0.01	-18.32	20.00	2RDR
2-Methylnaphthalene	0.8755800	1.0000000	0.6688300	0.01	-12.44	20.00	2RDR
1-Methylnaphthalene	0.8157200	1.0000000	0.6818400	0.01	-18.43	20.00	2RDR
Acenaphthylene	0.8232200	1.0000000	1.7130000	0.01	-17.68	20.00	2RDR
Acenaphthene	1.3460000	1.3970000	1.3970000	0.01	3.79	20.01	AVRG
Fluorene	0.8202700	1.0000000	1.0878000	0.01	-17.97	20.00	2RDR
Phenanthrene	0.9734600	1.0000000	0.8479100	0.01	-2.65	20.00	2RDR
Anthracene	1.2020000	1.1007000	1.1007000	0.01	-8.43	20.00	AVRG
Fluoranthene	0.9330000	0.8291400	0.8291400	0.01	-11.13	20.01	AVRG
Pyrene	1.4000000	1.3766000	1.3766000	0.01	-1.67	20.00	AVRG
Benzo(a)anthracene	0.8373200	1.0000000	0.6099400	0.01	-16.27	20.00	LINR
Chrysene	1.3820000	1.3444000	1.3444000	0.01	-2.72	20.00	AVRG
Benzo(b)fluoranthene	0.8884200	1.0000000	0.7666600	0.01	-11.16	20.00	LINR
Benzo(k)fluoranthene	1.8750000	2.0208000	2.0208000	0.01	7.72	20.00	AVRG
Benzo(a)pyrene	0.9320000	0.8866900	0.8866900	0.01	-4.86	20.01	AVRG
Indeno(1,2,3-cd)pyrene	0.8060000	0.7231200	0.7231200	0.01	-10.28	20.00	AVRG
Dibenzo(a,h)anthracene	0.6000000	0.5299300	0.5299300	0.01	-11.68	20.00	AVRG
Benzo(g,h,i)perylene	0.7500000	0.6937000	0.6937000	0.01	-7.51	20.00	AVRG
2-Methylnaphthalene-D10	0.8714300	1.0000000	0.4533300	0.01	-12.86	20.00	2RDR
Fluorene-D10	0.8642400	1.0000000	1.0800000	0.01	-13.58	20.00	2RDR
Pyrene-D10	0.8380000	0.8284700	0.8284700	0.01	-1.14	20.00	AVRG

FORM VII PEST

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): R8228 Date Analyzed: 11/23/10

Instrument ID: GCMS-R Time Analyzed: 1019

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
=====		=====	=====	=====	=====	=====	=====	
12 HOUR STD		46793	8.84	76954	11.74	47872	15.90	
UPPER LIMIT		93586	9.38	153908	12.28	95744	16.44	
LOWER LIMIT		23397	8.30	38477	11.20	23936	15.36	
=====		=====	=====	=====	=====	=====	=====	
CLIENT SAMPLE	LAB SAMPLE							
ID	ID							
=====		=====	=====	=====	=====	=====	=====	
01	WG85396-BLANK	WG85396-1	50958	8.85	115629	11.77	58806	15.93
02	RB11171001	SD7209-10	50813	8.85	105029	11.77	64934	15.90
03	WG85396-LCS	WG85396-2	48064	8.85	94312	11.74	55710	15.90
04	WG85396-LCSD	WG85396-3	47721	8.85	113247	11.74	53793	15.90
05	SBF1-10-12-11/2010	SD7209-1	50909	8.89	131727	11.77	65025	15.90
06	SBF1-50-55-11/2010	SD7209-2	52021	8.87	109001	11.77	61214	15.93
07	SBF1-55-58-11/2010	SD7209-3	52898	8.89	136892	11.77	64095	15.93
08	SBF1-61-63-11/2010	SD7209-4	53902	8.89	137281	11.77	86401	15.93
09	SBA1-27-33-11/2010	SD7209-5	44741	8.87	129739	11.77	65391	15.93
10	SAAL-0-2-11/2010	SD7209-6	53015	8.87	135533	11.77	66557	15.93
11		SSTD1.00R1124	52005	8.83	92893	11.74	60140	15.90
12	WG85308-BLANK	WG85308-1	53075	8.87	117792	11.77	64919	15.93
13	WG85308-LCS	WG85308-2	52080	8.85	100460	11.74	60311	15.87
14	WG85308-LCSD	WG85308-3	52970	8.85	100612	11.74	63598	15.87
15	FD11171001	SD7209-7	51873	8.87	119603	11.77	71740	15.90
16	SBA1-2-4-11/2010	SD7209-8	55479	8.87	109495	11.77	61524	15.90
17	SBA1-46-47-11/2010	SD7209-9	52594	8.87	121418	11.77	69067	15.90
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
 IS2 (NPT) = Naphthalene-D8
 IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = + 0.54 minutes of internal standard RT
 RT LOWER LIMIT = - 0.54 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
 * Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL-CTO JM30 SDG No.: CTOJM30-1

Lab File ID (Standard): R8228 Date Analyzed: 11/23/10

Instrument ID: GCMS-R Time Analyzed: 1019

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		75825	19.51	51506	25.95	33806	29.18
UPPER LIMIT		151650	20.05	103012	26.49	67612	29.72
LOWER LIMIT		37913	18.97	25753	25.41	16903	28.64
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG85396-BLANK	WG85396-1	73390	19.57	57275	25.99	37842	29.21
02 RB11171001	SD7209-10	70586	19.54	45402	25.99	31510	29.22
03 WG85396-LCS	WG85396-2	74886	19.51	66789	25.94	43525	29.18
04 WG85396-LCSD	WG85396-3	60058	19.51	47221	25.95	31476	29.20
05 SBF1-10-12-11/2010	SD7209-1	78596	19.54	57366	25.95	39574	29.18
06 SBF1-50-55-11/2010	SD7209-2	75441	19.54	57478	25.97	42818	29.18
07 SBF1-55-58-11/2010	SD7209-3	79258	19.54	76957	25.97	49569	29.18
08 SBF1-61-63-11/2010	SD7209-4	86758	19.54	83795	25.97	49375	29.19
09 SBA1-27-33-11/2010	SD7209-5	86673	19.54	72946	25.97	48659	29.19
10 SAA1-0-2-11/2010	SD7209-6	90968	19.54	65824	25.94	42549	29.17
11	SSTD1.00R1124	74540	19.51	46959	25.97	28846	29.20
12 WG85308-BLANK	WG85308-1	79592	19.54	64974	25.99	37402	29.22
13 WG85308-LCS	WG85308-2	70369	19.51	62417	25.94	40391	29.18
14 WG85308-LCSD	WG85308-3	83635	19.48	65148	25.94	45476	29.18
15 FD11171001	SD7209-7	94313	19.51	62145	25.94	37084	29.17
16 SBA1-2-4-11/2010	SD7209-8	85421	19.54	63893	25.95	37230	29.18
17 SBA1-46-47-11/2010	SD7209-9	84853	19.54	72221	25.98	36602	29.21
18							
19							
20							

IS4 (PHN) = Phenanthrene-D10

IS5 (CRY) = Chrysene-D12

IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.54 minutes of internal standard RT

RT LOWER LIMIT = - 0.54 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.

* Values outside of QC limits.

SDG CTOJM30-1
SAMPLE ID SF-2-SAA1-0-2-11/2010

SAMPLE CALC

IS AREA	DILUTION	COMPOUND OF INTEREST	IS AMOUNT (NG)	Final Extract Volume (UL)	AVE RRF	CONCENTRATION PPB
90968	1	36127	0.8	1000	0.9333	14.33
		% Solids		Sample Volume (Grams)		
		0.76895		30.9		

Fluoroanthene = 14 ug/kg

Report of Analytical Results

Client: Tetra Tech NUS, Inc.
Lab ID: SD7209-6
Client ID: SAA1-0-2-11/2010
Project: OLF Saufley Field, FL- CTO.
SDG: CTOJM30-1

Sample Date: 17-NOV-10
Received Date: 18-NOV-10
Extract Date: 19-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85308

Analysis Date: 23-NOV-10
Analyst: JCG
Analysis Method: SW846 M8270C
Matrix: SL
% Solids: 77.
Report Date: 08-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Naphthalene	U	3.3	ug/Kgdrywt	1	20	25.	3.3	13.
1-Methylnaphthalene	U	2.1	ug/Kgdrywt	1	20	25.	2.1	13.
2-Methylnaphthalene	U	2.8	ug/Kgdrywt	1	20	25.	2.8	13.
Acenaphthylene	U	1.5	ug/Kgdrywt	1	20	25.	1.5	13.
Acenaphthene	U	1.9	ug/Kgdrywt	1	20	25.	1.9	13.
Fluorene	U	4.0	ug/Kgdrywt	1	20	25.	4.0	13.
Phenanthrene	I	3.9	ug/Kgdrywt	1	20	25.	2.3	13.
Anthracene	U	1.5	ug/Kgdrywt	1	20	25.	1.5	13.
Fluoranthene	I	14.	ug/Kgdrywt	1	20	25.	2.3	13.
Pyrene	I	11.	ug/Kgdrywt	1	20	25.	2.6	13.
Benzo (a) anthracene	I	14.	ug/Kgdrywt	1	20	25.	2.4	13.
Chrysene	I	8.0	ug/Kgdrywt	1	20	25.	2.1	13.
Benzo (b) Fluoranthene	I	18.	ug/Kgdrywt	1	20	25.	3.0	13.
Benzo(k)fluoranthene	I	5.3	ug/Kgdrywt	1	20	25.	3.9	13.
Benzo(a)pyrene	I	11.	ug/Kgdrywt	1	20	25.	4.2	13.
Indeno (1,2,3-cd) pyrene	I	7.8	ug/Kgdrywt	1	20	25.	2.4	13.
Dibenzo (a,h) anthracene	U	2.3	ug/Kgdrywt	1	20	25.	2.3	13.
Benzo(g,h,i)perylene	I	8.4	ug/Kgdrywt	1	20	25.	2.5	13.
2-Methylnaphthalene-D10		36.9	%					
Fluorene-D10		30.5	%					
Pyrene-D10		75.3	%					

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gcms-r.i\R112310.b\R8244.D
 Lab Smp Id: SD7209-6 Client Smp ID: SAA1-0-2-11/2010
 Inj Date : 23-NOV-2010 21:55 MS Autotune Date: 20-DEC-1999 14:08
 Operator : JCG Inst ID: gcms-r.i
 Smp Info : SD7209-6
 Misc Info : WG86004,WG85308,R8228
 Comment :
 Method : \\target_server\GG\chem\gcms-r.i\R112310.b\rspsim77.m
 Meth Date : 23-Nov-2010 16:16 cgomez Quant Type: ISTD
 Cal Date : 23-NOV-2010 13:56 Cal File: R8233.D
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ttolfsf-sl.sub
 Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Ws*Vi)*(100/(100-M))*1000 * CpndVariabl

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Ws	0.03090	Weight of Sample (Kg)
Vi	1.000	Volume injected (uL)
M	23.105	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS					REVIEW
			ON-COLUMN	FINAL	REVIEW			
MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kgdrywt)		
* 5 1,4-Dichlorobenzene-D4	152	8.873	8.850 (1.000)	53015	0.80000			
* 18 Naphthalene-D8	136	11.768	11.768 (1.000)	135533	0.80000			
\$ 24 2-Methylnaphthalene-D10	152	13.405	13.567 (1.139)	65495	0.73885	31.1(Q)		
* 38 Acenaphthene-D10	164	15.930	15.931 (1.000)	66557	0.80000			
\$ 46 Fluorene-D10	176	17.191	17.273 (1.079)	67723	0.61031	25.7(Q)		
* 58 Phenanthrene-D10	188	19.538	19.593 (1.000)	90968	0.80000			
59 Phenanthrene	178	19.592	19.647 (1.003)	10198	0.09309	3.92(a)		
63 Fluoranthene	202	22.450	22.572 (1.149)	36127	0.34043	14.3(a)		
\$ 64 Pyrene-D10	212	22.918	23.023 (0.804)	103950	1.50680	63.4		
65 Pyrene	202	22.970	23.075 (0.886)	31196	0.27076	11.4(a)		
67 Benzo(a)anthracene	228	25.923	25.994 (0.999)	12962	0.32149	13.5(a)		
* 68 Chrysene-D12	240	25.937	26.008 (1.000)	65824	0.80000			
69 Chrysene	228	26.007	26.065 (1.003)	21541	0.18938	7.97(a)		
73 Benzo(b)fluoranthene	252	28.386	28.439 (0.973)	17053	0.42162	17.7(aM)	M3	
74 Benzo(k)fluoranthene	252	28.438	28.504 (0.975)	12504	0.12529	5.27(aMH)	M6	
75 Benzo(a)pyrene	252	29.064	29.156 (0.996)	12526	0.25282	10.6(a)		
* 76 Perylene-D12	264	29.168	29.221 (1.000)	42549	0.80000			
78 Indeno(1,2,3-cd)pyrene	276	31.828	31.960 (1.091)	7940	0.18522	7.80(a)		
80 Benzo(g,h,i)perylene	276	32.559	32.716 (1.116)	7987	0.20010	8.42(a)		

FORM 2
SOIL FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG85455-BLANK	WG85455-1	94	92							0
02	WG85455-LCS	WG85455-2	94	92							0
03	WG85455-LCSD	WG85455-3	96	94							0
04	SBF1-10-12'-11/2010	SD7209-1	101	98							0
05	SBF1-50-55'-11/2010	SD7209-2	97	91							0
06	SBF1-55-58'-11/2010	SD7209-3	94	84							0
07	SBF1-61-63'-11/2010	SD7209-4	92	85							0
08	SBA1-27-33'-11/2010	SD7209-5	131J	128J							2
09	SAA1-0-2-11/2010	SD7209-6	97	92							0
10	FD11171001	SD7209-7	97	95							0
11	SBA1-2-4'-11/2010	SD7209-8	110	104							0
12	SBA1-46-47'-11/2010	SD7209-9	92	86							0
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

QC LIMITS

S1 = n-Triacontane-D62 (70-130)
S2 (OTP) = O-Terphenyl (62-109)

Column to be used to flag recovery values
J Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
 WATER FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG85435-BLANK	WG85435-1	103	107							0
02	WG85435-LCS	WG85435-2	92	96							0
03	WG85435-LCSD	WG85435-3	99	100							0
04	RB11171001	SD7209-10	70	70J							1
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

QC LIMITS

S1 = n-Triacontane-D62 (70-130)
 S2 (OTP) = O-Terphenyl (82-142)

Column to be used to flag recovery values
 J Values outside of contract required QC limits
 D Surrogate diluted out

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85455-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1
 Lab File ID: CDL2080 Lab Sample ID: WG85455-1
 Instrument ID: GC12 Date Extracted: 11/23/10
 Matrix: (soil/water) SOIL Date Analyzed: 12/08/10
 Level: (low/med) LOW Time Analyzed: 1701

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG85455-LCS	WG85455-2	CDL2081	12/08/10	1808
02	WG85455-LCSD	WG85455-3	CDL2082	12/08/10	1914
03	SBF1-10-12'-11/2010	SD7209-1	CDL2084	12/08/10	2127
04	SBF1-50-55'-11/2010	SD7209-2	CDL2085	12/08/10	2233
05	SBF1-55-58'-11/2010	SD7209-3	CDL2086	12/08/10	2339
06	SBF1-61-63'-11/2010	SD7209-4	CDL2087	12/09/10	0046
07	SBA1-27-33'-11/2010	SD7209-5	CDL2090	12/09/10	0404
08	SAA1-0-2-11/2010	SD7209-6	CDL2091	12/09/10	0510
09	FD11171001	SD7209-7	CDL2092	12/09/10	0616
10	SBA1-2-4'-11/2010	SD7209-8	CDL2093	12/09/10	0722
11	SBA1-46-47'-11/2010	SD7209-9	CDL2095	12/09/10	1001
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85455-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 23-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: NA
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	2.2.	mg/Kgdrywt	1	20	20.	2.2	10.
o-Terphenyl		90.9	%					
n-Triacontane-D62		95.0	%					

LCS/LCSD Recovery Report

LCS ID: WG85455-2
LCSD ID: WG85455-3
Project:
SDG: CTOJM30-1
Report Date: 09-DEC-10

Received Date: 23-NOV-10
Extract Date: 23-NOV-10
Extracted By: WS
Extraction Method: SW846 3550
Lab Prep Batch: WG85455

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: SL
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Petroleum Range Organics	57.0	54.0	94.7	58.0	102.	mg/Kgdrywt	7	30	63-153
o-Terphenyl			93.9		93.9				62-109
n-Triacontane-D62			95.0		95.0				70-130

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG85435-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS
 Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1
 Lab File ID: CDL2077 Lab Sample ID: WG85435-1
 Instrument ID: GC12 Date Extracted: 11/22/10
 Matrix: (soil/water) WATER Date Analyzed: 12/08/10
 Level:(low/med) LOW Time Analyzed: 1341

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG85435-LCS	WG85435-2	CDL2078	12/08/10	1448
02	WG85435-LCSD	WG85435-3	CDL2079	12/08/10	1555
03	RB11171001	SD7209-10	CDL2096	12/09/10	1108
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

Report of Analytical Results

Client:
Lab ID: WG85435-1
Client ID: Method Blank Sample
Project:
SDG: CTOJM30-1

Sample Date:
Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85435

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA
Report Date: 10-DEC-10

Compound	Qualifier	Result	Units	Dilution	LOQ	ADJ LOQ	ADJ MDL	ADJ LOD
Petroleum Range Organics	U	56	ug/L	1	500	500	56.	250
o-Terphenyl		110.	%					
n-Triacontane-D62		103.	%					

LCS/LCSD Recovery Report

LCS ID: WG85435-2
LCSD ID: WG85435-3
Project:
SDG: CTOJM30-1
Report Date: 09-DEC-10

Received Date: 22-NOV-10
Extract Date: 22-NOV-10
Extracted By: KF
Extraction Method: SW846 3510
Lab Prep Batch: WG85435

Analysis Date: 08-DEC-10
Analyst: AC
Analysis Method: FL-PRO
Matrix: AQ
% Solids: NA

Compound	Spike Amt	LCS Conc	LCS Rec (%)	LCSD Conc	LCSD Rec (%)	Conc Units	RPD (%)	RPD Limit	Limits
Petroleum Range Organics	1700	1600	94.1	1600	94.1	ug/L	0	30	55-118
o-Terphenyl			96.0		100.				82-142
n-Triacontane-D62			91.7		100.				70-130

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 12/02/10 12/02/10

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
		S1 : 14.95		S2 : 21.68	
CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		FLP50	12/02/10	1624	14.95 21.68
02		FLP200	12/02/10	1739	14.96 21.68
03		FLP100	12/02/10	1853	14.95 21.67
04		FLP20	12/02/10	2008	14.95 21.67
05		FLP5	12/02/10	2122	14.95 21.67
06		FLPIND	12/02/10	2236	14.95 21.67
07		FLP20	12/08/10	1128	14.97 21.69
08	WG85435-BLAN	WG85435-1	12/08/10	1341	14.96 21.68
09	WG85435-LCS	WG85435-2	12/08/10	1448	14.96 21.68
10	WG85435-LCSD	WG85435-3	12/08/10	1555	14.96 21.68
11	WG85455-BLAN	WG85455-1	12/08/10	1701	14.95 21.68
12	WG85455-LCS	WG85455-2	12/08/10	1808	14.96 21.68
13	WG85455-LCSD	WG85455-3	12/08/10	1914	14.96 21.68
14	SBF1-10-12'-	SD7209-1	12/08/10	2127	14.96 21.68
15	SBF1-50-55'-	SD7209-2	12/08/10	2233	14.96 21.68
16	SBF1-55-58'-	SD7209-3	12/08/10	2339	14.96 21.68
17	SBF1-61-63'-	SD7209-4	12/09/10	0046	14.96 21.68
18		FLP50	12/09/10	0258	14.96 21.67
19	SBA1-27-33'-	SD7209-5	12/09/10	0404	14.96 21.68
20	SAA1-0-2-11/	SD7209-6	12/09/10	0510	14.96 21.67

QC LIMITS

S1 = O-Terphenyl (+/- 0.30 MINUTES)
S2 = n-Triacontane-D62 (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 12/02/10 12/02/10

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION								
				S1 : 14.95		S2 : 21.68		
	CLIENT	LAB	DATE	TIME	S1		S2	
	SAMPLE ID	SAMPLE ID	ANALYZED	ANALYZED	RT	#	RT	#
01	FD11171001	SD7209-7	12/09/10	0616	14.96		21.68	
02	SBA1-2-4'-11	SD7209-8	12/09/10	0722	14.96		21.67	
03		FLP50	12/09/10	0829	14.96		21.67	
04	SBA1-46-47'-	SD7209-9	12/09/10	1001	14.96		21.68	
05	RB11171001	SD7209-10	12/09/10	1108	14.95		21.67	
06		FLP20	12/09/10	1214	14.95		21.67	
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

QC LIMITS

S1 = O-Terphenyl (+/- 0.30 MINUTES)
S2 = n-Triacontane-D62 (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 6
FL-PRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC12 Calibration Date(s): 12/02/10 12/02/10

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 1624 2122

LAB FILE ID: RF5: CDL2007 RF20: CDL2006 RF50: CDL2003
RF100: CDL2005 RF200: CDL2004

COMPOUND	RF					CURVE	COEFFICIENTS		OR R^2	MAX %RSD
	RF5	RF20	RF50	RF100	RF200		A0	A1		
FL-PRO peaks C8-C40	373320	1663600	3633700	6877800	1e+007	LINR	-11.539187	2.4e-004	0.99921	0.99000
C-8	23852	87974	244610	402130	845230	LINR	-1.3375554	2.388e-004	0.99726	0.99000
C-10	22958	87766	271510	404690	854080	LINR	-2.0186675	2.359e-004	0.99334	0.99000
C-12	22565	87735	212470	402460	849860	LINR	0.25709722	2.371e-004	0.99920	0.99000
C-14	22855	86996	212030	400300	850770	LINR	0.38418709	2.369e-004	0.99902	0.99000
C-16	22382	86839	212260	399760	850840	LINR	0.43117876	2.369e-004	0.99898	0.99000
C-18	22711	86952	211930	399120	848510	LINR	0.36069462	2.376e-004	0.99901	0.99000
C-38	19574	136750	192010	422490	805140	LINR	-3.1784071	2.501e-004	0.99395	0.99000
C-20	22885	87286	211160	398250	845640	LINR	0.29632494	2.384e-004	0.99903	0.99000
C-22	23626	86646	216940	399380	849270	LINR	0.11066227	2.375e-004	0.99890	0.99000
C-24	21607	87341	208780	397250	841080	LINR	0.37106038	2.396e-004	0.99913	0.99000
C-26	21628	90531	210160	398790	845180	LINR	0.20553316	2.386e-004	0.99903	0.99000
C-28	21595	90560	209190	397390	841570	LINR	0.17230547	2.397e-004	0.99904	0.99000
C-36	20665	115870	201760	398760	830600	LINR	-1.2625346	2.44e-004	0.99749	0.99000
C-30	22405	93690	210600	401390	845670	LINR	-0.1053530	2.387e-004	0.99909	0.99000
C-32	21368	95981	208130	402460	838810	LINR	-0.2989464	2.405e-004	0.99924	0.99000
C-34	21745	124060	213510	415850	866110	LINR	-1.5972651	2.343e-004	0.99721	0.99000
C-40	18892	130640	186640	437320	796150	LINR	-3.0219566	2.505e-004	0.99292	0.99000
o-Terphenyl	247600	236230	234510	221430	240600	LINR	0.32970785	2.101e-004	0.99209	0.99000
n-Triacontane-D62	1136200	1078000	1065100	1029700	1108400	LINR	1.72002051	2.75e-004	0.99312	0.99000

FORM VI FL-PRO

Report Date : 08-Dec-2010 14:17

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 02-DEC-2010 16:24
 End Cal Date : 02-DEC-2010 21:22
 Quant Method : ESTD
 Origin : Included
 Target Version : 4.12
 Integrator : HP Genie
 Method file : \\target_server\GG\chem\gc12.i\GC12DL02B1.b\flpb018A.m
 Cal Date : 06-Dec-2010 10:33 acronin

Calibration File Names:

Level 1: \\target_server\GG\chem\gc12.i\GC12DL02B1.b\CDL2007.d
 Level 2: \\target_server\GG\chem\gc12.i\GC12DL02B1.b\CDL2006.d
 Level 3: \\target_server\GG\chem\gc12.i\GC12DL02B1.b\CDL2003.d
 Level 4: \\target_server\GG\chem\gc12.i\GC12DL02B1.b\CDL2005.d
 Level 5: \\target_server\GG\chem\gc12.i\GC12DL02B1.b\CDL2004.d

Compound	5.0000	20.0000	50.0000	100.0000	200.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5		b	m1	m2	or R ²
1 FL-PRO peaks C8-C40	373322	1663628	3542287	6877786	14304547	LINR	-7.30539	4169		0.99922
2 C-8	23852	87974	210223	402131	845228	LINR	0.12098	4193		0.99930
3 C-10	22958	87766	214494	404691	854080	LINR	0.21289	4238		0.99920
4 C-12	22565	87735	212466	402462	849860	LINR	0.25710	4218		0.99920
5 C-14	22855	86996	212033	400302	850771	LINR	0.38419	4220		0.99902
6 C-16	22382	86839	212265	399756	850842	LINR	0.43118	4221		0.99899
7 Petroleum Range Organics	373322	1663628	3542287	6877786	14304547	LINR	-7.30539	4169		0.99922
8 C-18	22711	86952	211934	399118	848510	LINR	0.36069	4209		0.99901
10 C-20	22885	87286	211160	398246	845642	LINR	0.29632	4194		0.99903
11 C-22	23626	86646	216937	399384	849274	LINR	0.11066	4210		0.99890
12 C-24	21607	87341	208780	397246	841085	LINR	0.37106	4174		0.99913
13 C-26	21628	90531	210158	398793	845185	LINR	0.20553	4191		0.99903
14 C-28	21595	90560	209187	397388	841572	LINR	0.17231	4172		0.99904
16 C-30	22405	93690	210600	401388	845673	LINR	-0.10535	4190		0.99909
17 C-32	21368	95981	208127	402456	838809	LINR	-0.29895	4158		0.99924

Katahdin Analytical Services A0000334

Report Date : 08-Dec-2010 14:17

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 02-DEC-2010 16:24
End Cal Date : 02-DEC-2010 21:22
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc12.i\GC12DL02B1.b\flpb018A.m
Cal Date : 06-Dec-2010 10:33 acronin

Compound	5.0000	20.0000	50.0000	100.0000	200.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5		b	m1	m2	
18 C-34	21745	124065	213511	415848	866108	LINR	-1.59727	4268		0.99721
19 C-36	20665	115874	201765	398760	830605	LINR	-1.26253	4098		0.99749
20 C-38	19574	136750	192012	422488	805142	LINR	-3.17841	3999		0.99395
21 C-40	18892	130636	186635	437320	796153	LINR	-3.02196	3993		0.99292
\$ 9 O-Terphenyl	247605	236231	234509	221429	240604	LINR	0.32971	4759		0.99209
\$ 15 n-Triacontane-D62	1136244	1078039	1065080	1028688	1108393	LINR	1.72002	3636		0.99312

Report Date : 08-Dec-2010 14:17

Katahdin Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 02-DEC-2010 16:24
End Cal Date : 02-DEC-2010 21:22
Quant Method : ESTD
Origin : Included
Target Version : 4.12
Integrator : HP Genie
Method file : \\target_server\GG\chem\gc12.i\GC12DL02B1.b\flpb018A.m
Cal Date : 06-Dec-2010 10:33 acronin

Curve	Formula	Units
Linear	Amt = b + Rsp/ml	Response

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC12 Calibration Date: 12/02/10 Time: 2236

Lab File ID: CDL2008 Init. Calib. Date(s): 12/02/10 12/02/10

Init. Calib. Times: 1624 2122

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
FL-PRO peaks C8-C40	838.31000	850.00000	4147.9000	0.01	-1.38	25.00	LINR
C-8	50.044000	50.000000	4186.8000	0.01	0.09	25.00	LINR
C-10	49.496000	50.000000	4177.7000	0.01	-1.01	25.00	LINR
C-12	49.982000	50.000000	4194.4000	0.01	-0.04	25.00	LINR
C-14	49.692000	50.000000	4162.1000	0.01	-0.62	25.00	LINR
C-16	49.971000	50.000000	4182.5000	0.01	-0.06	25.00	LINR
C-18	50.348000	50.000000	4207.8000	0.01	0.70	25.00	LINR
C-38	47.728000	50.000000	4071.7000	0.01	-4.54	25.00	LINR
C-20	49.862000	50.000000	4157.4000	0.01	-0.28	25.00	LINR
C-22	50.263000	50.000000	4222.6000	0.01	0.53	25.00	LINR
C-24	50.964000	50.000000	4223.7000	0.01	1.93	25.00	LINR
C-26	51.546000	50.000000	4303.0000	0.01	3.09	25.00	LINR
C-28	51.683000	50.000000	4298.4000	0.01	3.37	25.00	LINR
C-36	44.401000	50.000000	3742.3000	0.01	-11.20	25.00	LINR
C-30	53.462000	50.000000	4488.5000	0.01	6.92	25.00	LINR
C-32	48.205000	50.000000	4033.7000	0.01	-3.59	25.00	LINR
C-34	44.358000	50.000000	3922.4000	0.01	-11.28	25.00	LINR
C-40	46.309000	50.000000	3939.2000	0.01	-7.38	25.00	LINR
O-Terphenyl	48.445000	50.000000	4579.8000	0.01	-3.11	25.00	LINR
n-Triacontane-D62	294.32000	300.00000	3546.2000	0.01	-1.89	25.00	LINR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC12 Calibration Date: 12/08/10 Time: 1128

Lab File ID: CDL2075 Init. Calib. Date(s): 12/02/10 12/02/10

Init. Calib. Times: 1624 2122

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
FL-PRO peaks C8-C40	355.41000	340.00000	4444.2000	0.01	4.53	25.00	LINR
C-8	23.068000	20.000000	4811.0000	0.01	15.34	25.00	LINR
C-10	21.352000	20.000000	4479.8000	0.01	6.76	25.00	LINR
C-12	21.190000	20.000000	4414.4000	0.01	5.95	25.00	LINR
C-14	21.309000	20.000000	4415.6000	0.01	6.54	25.00	LINR
C-16	21.333000	20.000000	4411.7000	0.01	6.66	25.00	LINR
C-18	21.795000	20.000000	4510.8000	0.01	8.98	25.00	LINR
C-38	17.330000	20.000000	4100.8000	0.01	-13.35	25.00	LINR
C-20	22.542000	20.000000	4664.6000	0.01	12.71	25.00	LINR
C-22	21.644000	20.000000	4532.6000	0.01	8.22	25.00	LINR
C-24	22.657000	20.000000	4651.4000	0.01	13.28	25.00	LINR
C-26	22.867000	20.000000	4748.2000	0.01	14.34	25.00	LINR
C-28	20.925000	20.000000	4329.4000	0.01	4.62	25.00	LINR
C-36	19.349000	20.000000	4222.9000	0.01	-3.26	25.00	LINR
C-30	20.632000	20.000000	4344.0000	0.01	3.16	25.00	LINR
C-32	18.830000	20.000000	3977.1000	0.01	-5.85	25.00	LINR
C-34	21.001000	20.000000	4822.0000	0.01	5.00	25.00	LINR
C-40	17.586000	20.000000	4114.1000	0.01	-12.07	25.00	LINR
=====	=====	=====	=====	=====	=====	=====	=====
O-Terphenyl	51.010000	50.000000	4823.9000	0.01	2.02	25.00	LINR
n-Triacontane-D62	300.62000	300.00000	3622.6000	0.01	0.21	25.00	LINR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC12 Calibration Date: 12/09/10 Time: 0258

Lab File ID: CDL2089 Init. Calib. Date(s): 12/02/10 12/02/10

Init. Calib. Times: 1624 2122

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
FL-PRO peaks C8-C40	605.48000	850.00000	3005.3000	0.01	-28.77	25.00	LINR <-
C-8	37.430000	50.000000	3128.9000	0.01	-25.14	25.00	LINR <-
C-10	37.127000	50.000000	3129.2000	0.01	-25.75	25.00	LINR <-
C-12	37.098000	50.000000	3107.6000	0.01	-25.80	25.00	LINR <-
C-14	36.486000	50.000000	3047.3000	0.01	-27.03	25.00	LINR <-
C-16	36.364000	50.000000	3033.7000	0.01	-27.27	25.00	LINR <-
C-18	36.300000	50.000000	3025.3000	0.01	-27.40	25.00	LINR <-
C-38	32.455000	50.000000	2850.1000	0.01	-35.09	25.00	LINR <-
C-20	36.199000	50.000000	3011.4000	0.01	-27.60	25.00	LINR <-
C-22	36.001000	50.000000	3021.8000	0.01	-28.00	25.00	LINR <-
C-24	36.086000	50.000000	2981.7000	0.01	-27.83	25.00	LINR <-
C-26	35.867000	50.000000	2988.9000	0.01	-28.27	25.00	LINR <-
C-28	35.862000	50.000000	2978.2000	0.01	-28.28	25.00	LINR <-
C-36	34.789000	50.000000	2954.5000	0.01	-30.42	25.00	LINR <-
C-30	35.601000	50.000000	2991.9000	0.01	-28.80	25.00	LINR <-
C-32	35.516000	50.000000	2978.4000	0.01	-28.97	25.00	LINR <-
C-34	34.435000	50.000000	3075.5000	0.01	-31.13	25.00	LINR <-
C-40	31.862000	50.000000	2785.6000	0.01	-36.28	25.00	LINR <-
=====	=====	=====	=====	=====	=====	=====	=====
O-Terphenyl	35.593000	50.000000	3356.5000	0.01	-28.81	25.00	LINR <-
n-Triacontane-D62	209.62000	300.00000	2519.8000	0.01	-30.13	25.00	LINR <-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC12 Calibration Date: 12/09/10 Time: 0829

Lab File ID: CDL2094 Init. Calib. Date(s): 12/02/10 12/02/10

Init. Calib. Times: 1624 2122

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
FL-PRO peaks C8-C40	903.93000	850.00000	4469.3000	0.01	6.34	25.00	LINR
C-8	53.174000	50.000000	4449.3000	0.01	6.35	25.00	LINR
C-10	51.532000	50.000000	4350.3000	0.01	3.06	25.00	LINR
C-12	51.697000	50.000000	4339.0000	0.01	3.39	25.00	LINR
C-14	51.731000	50.000000	4334.2000	0.01	3.46	25.00	LINR
C-16	51.799000	50.000000	4336.8000	0.01	3.60	25.00	LINR
C-18	51.919000	50.000000	4340.1000	0.01	3.84	25.00	LINR
C-38	53.855000	50.000000	4561.8000	0.01	7.71	25.00	LINR
C-20	52.507000	50.000000	4379.2000	0.01	5.01	25.00	LINR
C-22	52.226000	50.000000	4387.8000	0.01	4.45	25.00	LINR
C-24	55.226000	50.000000	4579.6000	0.01	10.45	25.00	LINR
C-26	54.383000	50.000000	4540.7000	0.01	8.77	25.00	LINR
C-28	52.705000	50.000000	4383.6000	0.01	5.41	25.00	LINR
C-36	59.079000	50.000000	4945.2000	0.01	18.16	25.00	LINR
C-30	55.096000	50.000000	4625.5000	0.01	10.19	25.00	LINR
C-32	53.187000	50.000000	4448.0000	0.01	6.37	25.00	LINR
C-34	56.350000	50.000000	4946.0000	0.01	12.70	25.00	LINR
C-40	47.463000	50.000000	4031.4000	0.01	-5.07	25.00	LINR
O-Terphenyl	50.886000	50.000000	4812.1000	0.01	1.77	25.00	LINR
n-Triacontane-D62	302.07000	300.00000	3640.2000	0.01	0.69	25.00	LINR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: OLF SAUFLEY FIELD, FL- CTO JM30 SDG No.: CTOJM30-1

Instrument ID: GC12 Calibration Date: 12/09/10 Time: 1214

Lab File ID: CDL2097 Init. Calib. Date(s): 12/02/10 12/02/10

Init. Calib. Times: 1624 2122

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF20.000 or AMOUNT	CCAL RRF20.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
FL-PRO peaks C8-C40	349.33000	340.00000	4369.0000	0.01	2.74	25.00	LINR
C-8	22.862000	20.000000	4767.8000	0.01	14.31	25.00	LINR
C-10	21.087000	20.000000	4423.8000	0.01	5.44	25.00	LINR
C-12	21.091000	20.000000	4393.4000	0.01	5.46	25.00	LINR
C-14	21.347000	20.000000	4423.7000	0.01	6.74	25.00	LINR
C-16	21.185000	20.000000	4380.4000	0.01	5.92	25.00	LINR
C-18	21.253000	20.000000	4396.8000	0.01	6.26	25.00	LINR
C-38	17.147000	20.000000	4064.2000	0.01	-14.26	25.00	LINR
C-20	21.614000	20.000000	4470.1000	0.01	8.07	25.00	LINR
C-22	21.275000	20.000000	4454.8000	0.01	6.38	25.00	LINR
C-24	22.871000	20.000000	4696.0000	0.01	14.36	25.00	LINR
C-26	21.322000	20.000000	4424.5000	0.01	6.61	25.00	LINR
C-28	20.642000	20.000000	4270.3000	0.01	3.21	25.00	LINR
C-36	19.150000	20.000000	4182.2000	0.01	-4.25	25.00	LINR
C-30	20.565000	20.000000	4330.2000	0.01	2.82	25.00	LINR
C-32	20.081000	20.000000	4237.2000	0.01	0.40	25.00	LINR
C-34	18.832000	20.000000	4359.4000	0.01	-5.84	25.00	LINR
C-40	17.005000	20.000000	3998.1000	0.01	-14.98	25.00	LINR
O-Terphenyl	50.516000	50.000000	4776.9000	0.01	1.03	25.00	LINR
n-Triacontane-D62	299.34000	300.00000	3607.2000	0.01	-0.22	25.00	LINR

FORM VII PEST

**SAUFLEY FIELD
SOIL DATA
CTOJM30-1**

FRACTION	CHEMICAL	SF-2-SAA1-0-2-11/2010	UNITS	FD11171001	RPD	D
PAH	ANTHRACENE	ND	UG/KG	1.8 J	200.00	1.80
PAH	BENZO(A)ANTHRACENE	14 J	UG/KG	12 J	15.38	2.00
PAH	BENZO(A)PYRENE	11 J	UG/KG	8.9 J	21.11	2.10
PAH	BENZO(B)FLUORANTHENE	18 J	UG/KG	15 J	18.18	3.00
PAH	BENZO(G,H,I)PERYLENE	8.4 J	UG/KG	5.4 J	43.48	3.00
PAH	BENZO(K)FLUORANTHENE	5.3 J	UG/KG	4.1 J	25.53	1.20
PAH	CHRYSENE	8 J	UG/KG	7 J	13.33	1.00
PAH	FLUORANTHENE	14 J	UG/KG	16 J	13.33	2.00
PAH	INDENO(1,2,3-CD)PYRENE	7.8 J	UG/KG	4.9 J	45.67	2.90
PAH	PHENANTHRENE	3.9 J	UG/KG	7.1 J	58.18	3.20
PAH	PYRENE	11 J	UG/KG	13 J	16.67	2.00
PEST	4,4'-DDD	0.46 J	UG/KG	0.45 J	2.20	0.01
PEST	4,4'-DDE	1.4	UG/KG	1.3	7.41	0.10
PEST	4,4'-DDT	1.9	UG/KG	1.7	11.11	0.20
PEST	ALDRIN	0.093 J	UG/KG	0.086 J	7.82	0.01
PEST	DIELDRIN	10	UG/KG	9.6	4.08	0.40
PEST	ENDOSULFAN I	ND	UG/KG	0.066 J	200.00	0.07
PEST	ENDRIN ALDEHYDE	0.38 J	UG/KG	0.44 J	14.63	0.06
PET	TPH (C08-C40)	47 J	MG/KG	43 J	8.89	4.00

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Current RPD Quality Control Limit: 50 %.

Shaded cells indicate RPDs that exceed the applicable quality control limit.