Joint Analysis Group (JAG)
Initial Quality Control of Analytical Chemistry Data
From Water Samples Taken In the Vicinity of MC252#1

Chemical analysis has been performed on thousands of water samples taken by vessels monitoring subsurface dispersed oil near the site of the BP Deepwater Horizon incident located in the Mississippi Canyon Lease Block area 252 (MC252) and the BP#1 wellhead (MC252#1). This report describes the initial quality control of analytical chemistry of chemistry data reported for samples collected by the R/V *Brooks McCall* through station 117 and the R/V *Ocean Veritas* through station 105. The procedure for collecting, tracking, and processing samples can be found in Appendix 1. An example analytical request form can be found in Appendix 2. Analytical data can be found in Appendix 3. The data in Appendix 3 were obtained from the EPA SCRIBE database through August 1, 2010.

Brooks McCall Cruise 1 (5/8) to Cruise 5 (5/30), Ocean Veritas Cruise 1 (Starting 5/27)

Early into the submerged oil plume investigation it was thought that the concentrations of oil would be high and that screening methods for total petroleum hydrocarbons could be employed to locate the plume. Therefore, a UV/VIS spectrophotometric "screening" analysis was used to determine the concentration of the semi-volatile fraction of the oil (CFR Pt.300 App. C. pp. 225-230). Samples were extracted into methylene chloride and concentrated 10 fold. A 460 nm was used for quantification against a MC 252 oil standard calibration of 6 different concentrations (1-100 ppm). Quality control samples were run with the samples included calibration check samples, method blanks, and matrix spike samples. Method detection limits were about 0.8 part per million (ppm). These total petroleum hydrocarbon (TPH) values were reported as TPH (ppm) in Appendix 3 and represented the C-12 and higher alkanes, and poly aromatic hydrocarbons (PAHs: 2, 3, 4, 5, and 6 ring aromatics), along with the rest of the hydrocarbon semi-volatiles, such as asphaltenes. The laboratory elected to run all samples where there were measured amounts of petroleum hydrocarbons by gas chromatography/mass spectrometry (GC/MS) to verify that the petroleum was MC 252 oil and to quantify the alkanes, biomarkers and PAHs present in the sample. These were reported as TPH (ppb) in Appendix 3.

The gasoline range hydrocarbons were analyzed using the standard EPA Method SW 846 purge and trap analysis 8260 (Solid Waste Manual 846 Standard Method 8260). The complete list of analytes can be found in Appendix 2. Quality control samples were run in accordance with EPA Method requirements. Method detection limits for specific analytes were about 1 part per billion (ppb). For the purpose of generating a total gasoline range hydrocarbon (TVOA) a summation of analytes was done. In addition to this, the petroleum hydrocarbon components of the "Tentatively Identified Compounds" (TICs) were also included in the summation. These substances included propane, butane, pentane, isobutane, etc. The identity of the TICs was obtained from the mass spectral library, standards of these substances were not run. The

estimated concentrations were based on surrogate response factors. However, the decision to add the TICs to the TOVA analyses was made because of the high estimated concentrations reported in the TICs. These summed values were between 3-5 times the summed values of the standard BETX analytes called for in the method. The sum of TVOA and TICs are reported as TVOA (ppb) in Appendix 3.

The 8260 VOA method does include estimated concentrations of C3 (propane and above). Methane, ethane, and ethylene were not determined because of the limitations of the chromatographic analyses employed.

R/V *Brooks McCall* Cruise 6 (6/5) to Cruise 11 (7/6), R/V *Ocean Veritas* Cruise 2 (6/2) to Cruise 8 (7/11)

The method to analyze semi-volatile petroleum hydrocarbons (TPH) was changed because of the low concentrations of TPH in the submerged oil plume. Currently, the EPA SW 846 8270 is being used as a modified method to obtain semi-volatile alkanes, Biomarkers, and PAHs with quantification. The complete list of analytes can be found in Appendix 2. Methods of Quality Assurance/Quality Control (QA/QC) follow the EPA method requirements. Method detection limits for individual analyte components are in the sub ppb range. Individual petroleum alkanes and PAHs have been summed into a single reported number as TPH (ppb) and are reported in Appendix 3.

The gasoline range hydrocarbons were analyzed using the standard EPA Method SW 846 purge and trap analysis 8260 (Solid Waste Manual 846 Standard Method 8260). The complete list of analytes can be found in Appendix 2. Quality control samples were run in accordance with EPA Method requirements. Method detection limits for specific analytes were about 1 part per billion (ppb). For the purpose of generating a total gasoline range hydrocarbon (TVOA) a summation of analytes was done. In addition to this, the petroleum hydrocarbon components of the "Tentatively Identified Compounds" (TICs) were also included in the summation. These substances included propane, butane, pentane, isobutene, etc. The identity of the TICs was obtained from the mass spectral library, standards of these substances were not run. The estimated concentrations were based on surrogate response factors. However, the decision to add the TICs to the regular analyses was made because of the high estimated concentrations reported in the TICs. These summed values were between 3-5 times the summed values of the standard BETX analytes called for in the method. The sum of TVOA and TICs are reported as TVOA (ppb) in Appendix 3.

Data Limitations

A limited amount of laboratory QA/QC information was available for the data presented in Appendix 3. The data should be taken as preliminary until a more full data validation is completed. The following QA/QC data were available for R/V *Brooks McCall* cruise 1-5 and R/V *Ocean Veritas* cruise 1:

Method blanks,
Calibrations, Continuing Calibrations
Matrix Spike and Matrix Spike duplicates
Surrogate Recoveries

The only QA/QC data available at this time for R/V *Brooks McCall* Cruise 6 to 11, R/V *Ocean Veritas* Cruise 2 to Cruise 8 were from surrogate recoveries.

Only the surrogate recoveries that measure the added similar compounds to the listed analytes recovery out of the water matrix could be examined in this review. Surrogates allow the laboratory analyst to assess whether the analytic method is effective in recovering the analyte from the sample matrix, in this case seawater. The quality of the data from sampling through laboratory analyses cannot be fully assessed until complete QA/QC are available. Overall, the data in this report should be taken as preliminary until a full data validation is completed.

"J" Flagged Data

For the current TPH analyses, quantification of analytes is below part per billion levels. As a result of these low detection limits, there are cases where there may be evidence of cross contamination, for example low level hydrocarbon contamination from ship. A second issue about the low detection limits is that the background levels of hydrocarbons in the Gulf could be contributing to observed low levels of hydrocarbon. A third concern is that at the low detection levels of many of the analytes may be in a more estimated range of concentrations.

A "J" flag was placed on TPH values below 5 ppb and TVOAs below 10 ppb. In the TPH values, 5 ppb was selected as the threshold because there is a good distribution of alkanes and PAHs that can be quantified above 5 ppb and these levels are more than 10 fold above the detection limits of any of the individual constituents. For the TVOA, the "J" flag appears below 10 ppb. For TVOA data is there is reasonable evidence that contaminants are being introduced (benzene and toluene) and are not representative of the original water sample when values are below 10 ppb. Flagged data should be used with caution.

Summary Information

These results represent the chemistry results for 2118 individual samples. The levels of semi-volatiles at depths of 1,000-1,300 meters have been in the 10s of parts per billion where detected (the highest level being 78 ppb). For TVOAs, levels of 1800ppb (this value is a combination of the 8260 analytes along with the TICs) have been detected in water between 1,000-1,300 meters depth.

Number of Results in Concentration Ranges for Samples Collected between 1000- 1300 m depth.

Concentration	Total VOA (ppb)	TPH (ppb)
<10 ppb	1141	1138
10 – 100 ppb	84	23
100– 1,000 ppb	111	0
> 1,000 ppb	10	0

Development of this Report

The JAG was recognized by the National Incident Command (NIC) on June 8, 2010. The JAG operates at two levels for the development and release of its findings. For purposes of information exchange and metadata development, the group includes industry representatives responsible for providing data from contracted vessels. For the purposes of report development and approval of findings, only the federal agency representatives are involved. This report is the second in a series of data products from the JAG concerning data from the spill related to subsurface sampling.

This report contains preliminary data that has not been fully reviewed in accordance with NOAA's pre-dissemination review protocols. It is being released provisionally in the interest of providing vital information concerning the Deepwater Horizon/BP oil spill to the public as expeditiously as possible. This information is not a final agency product and will not be used to support any final agency determination or policy until it has been fully reviewed in accordance with NOAA's pre-dissemination review protocols.

Members of the Joint Analysis Group appointed to date:

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Appendix 1

Data Management Requirements and Specifications

Subsurface Monitoring Unit

MC252 Deepwater Horizon Oil Spill

Prepared by:

NOAA

EPA

BP

Updated Monday, July 26, 2010

Version 4.02

ALL CHANGES TO THESE DATA MANAGEMENT REQUIREMENTS AND SPECIFICATIONS MUST BE APPROVED BY UNIFIED COMMAND.

Change requests should be submitted to Data.SMU@NOAA.gov.

Requirement 1: Each cruise must have a designated Data Management Coordinator Onboard

This Shipboard Data Management Coordinator will perform the following duties:

- ✓ Ensure that Daily Deliverables are properly generated and submitted.
- ✓ Ensure that the data in the Daily Sampling Log matches the information found on the relevant Chains of Sample Custody and Sample Labels.
- ✓ Upload raw data to an FTP site for archiving.

Each Shipboard Data Management Coordinator must email the following information to the SMU Data Manager before the start of each cruise:

- Their name
- The name of their vessel
- Their email address
- Their vessel's satellite phone number (can be delivered upon arrival to vessel)
- A cell phone number that can be used to reach them when in port
- The start date of cruise
- The projected end date of cruise

Requirement 2: Each Shipboard Data Management Coordinator must organize the cruise's data products

The Shipboard Data Management Coordinator will maintain all data files generated during the cruise in a series of folders and subfolders. Each vessel will have its own Tier 1 folder for each cruise. Within this Tier 1 folder for the cruise will be three Tier 2 subfolders named Data Collection, Documents, GIS.

Tier 2 Data Collection Subfolder

Within the Data_Collection subfolder there should be additional Tier 3 subfolders for each category of data that is collected (such as CTD, LISST and Location data). Some default Tier 3 subfolders have already been created for new cruises but if your ship collects a category of data for which there is not a subfolder, please add it.

Within each Tier 3 subfolder are additional Tier 4 subfolders for each day that data files are generated. The naming convention of each Tier 4 subfolder is:

<DATE>

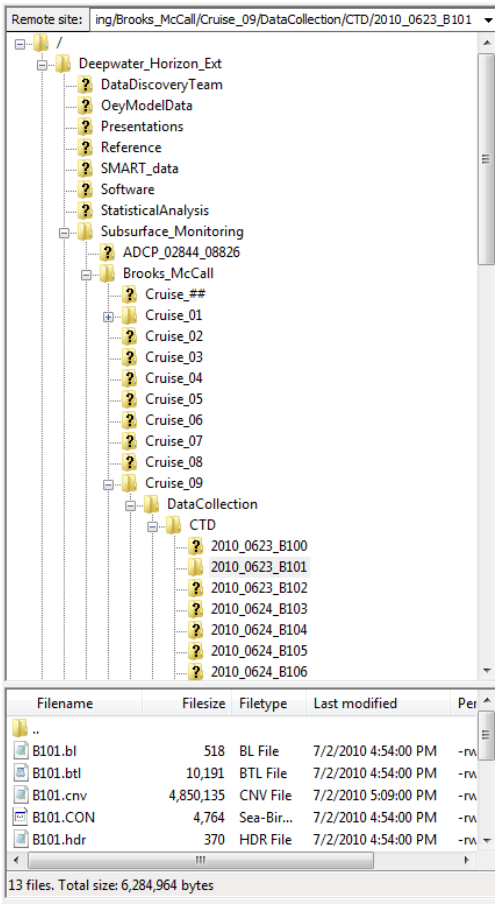
where <DATE> is the date that the data was generated in the format YYYY_MMDD (e.g. 2010_0710).

Within each Tier 4 daily subfolder should be the Tier 5 subfolders that actually hold the data files. The naming convention of each Tier 5 subfolder is:

<DATE>_<VESSEL CODE><STATION ID>

where <DATE> is the date that the data was generated in the format, <VESSEL CODE> is the 2-character abbreviation for the vessel (such as BM, OV, or RC), and <STATION_ID> is the Station ID or location where the data was collected (e.g. 2010_0710_OV098).
The overall goal is to provide organized and logical data. Please provide feedback to the SMU Data Manager with suggestions for improvement.

An example of this file structure is:



Inside each Tier 4 CTD subfolder should be Tier 5 subfolders for each type of CTD instrument that is used. :
For example, the CTD 9 is a real-time data streaming device and the CTD 19 is the CTD mounted on the rosette that has to be manually downloaded at the end of the cast. If possible, put the raw data files (which you will get from the CTD technician) into the correct folder at the conclusion of each day. For the CTD 9 you should have the following file types for each station:

- .xmlcon
- .hex
- .bl
- .hdr
- 2- .jpg
- .zip

For the CTD 19, you should get an .hex file that has SBE (if the equipment is from Seabird) and the site name and Niskin/Go-Flo bottle. There is also a LISST folder for the CTD for each site. In the LISST sub-folder there will be an Excel file for the site as well (ex. LISST_OV01901.xls) and another folder with a date. You will get this file from the CTD technician. Use similar logic for all sensor data.

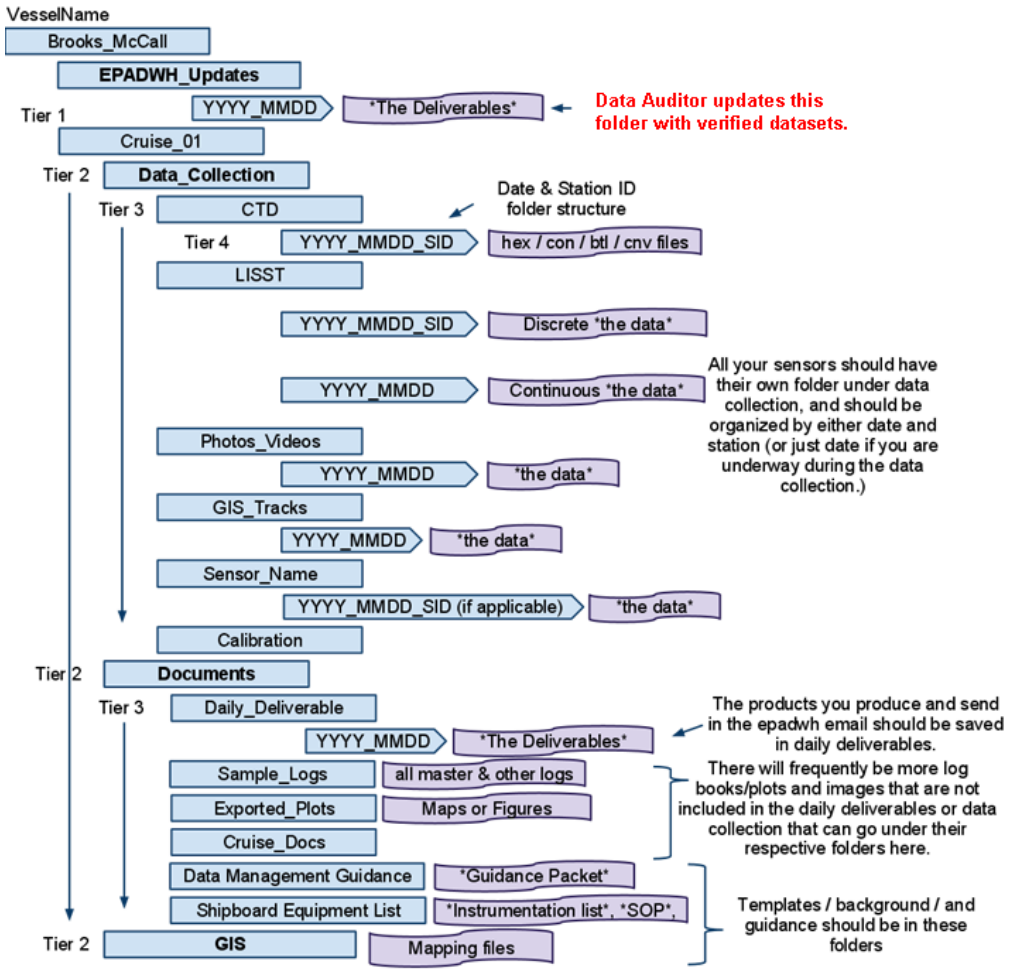
Tier 2 Documents Subfolder

The Daily Deliverables sent to epadwh@gmail.com (see Requirement #3) will be uploaded shoreside to the daily deliverables folder "EPADWH_Daily_Deliverables" under a date folder (YYYY_MMDD) for the deliverables on a daily bases - this is at the root of the ship folder. However, the cruise Data Manager Coordinator will also save the daily deliverables that they generate and submit in the Tier 2 Document subfolder > Tier 3 subfolder named "Daily Deliverables" > Tier 4 subfolder that is created for each day that data is collected. The naming convention of each Tier 4 subfolder is the Date in the format YYYY-MMDD (e.g. 2010_0602). The Data Management Coordinator should place all Daily Deliverables in this folder.

Tier 2 GIS Folder

There is one more sub-folder in the Cruise main folder called GIS. Cruise specific Mapping, GIS or Google earth material should go in here. Please pass this on to the next cruise Data Manager. There is also a GIS folder on the SFTP site that can be used for shipboard mapping.

Figure 1: Organization of Subsurface Monitoring Data on Secure FTP Site



Requirement 3: Each cruise will submit data deliverables on a daily basis.

Daily data packages must be emailed to the SMU Data Auditor (epadwh@gmail.com) by midnight central time. These data packages must meet the following specifications. **If any data deliverable that is submitted does not meet these requirements, the entire daily data package will be rejected and a message will be sent to the shipboard Data Management Coordinator indicating what information needs to be corrected.**

Daily Deliverable #1: Status Report

Required
Format: Microsoft Word (.doc) Document
File Naming Convention: <Date (in the format MM-DD-YYYY)>_<Vessel Name>_Status Report
Name of Example File: 05-23-10_Brooks McCall_Status Report
Description: A concise log and report of the vessel's activities during the previous 24-hour operating period. This report must include a status update of ongoing rototoxicity tests (if these tests are conducted onboard) to include a summary of what samples are currently being tested.

Daily Deliverable #2: Data Table of Sampling/Monitoring Locations

Required
Format: Microsoft Excel (.xls) Spreadsheet
File Naming Convention: <Date (in the format MM-DD-YYYY)>_<Vessel Name>_Locations
Name of Example File: 05-23-2010_Brooks McCall_Locations
Description: A spreadsheet that documents the locations where the vessel conducted sampling and monitoring activities. This spreadsheet must be a cumulative log for the entire cruise (do not delete what was reported the previous day) and must include the following columns or data fields:

Field Name *Required	Description	Formatting Requirements
CruiseNum*	Unique identifier for the incremented Cruise number (e.g. 01)	Numeric
CruiseID*	Unique identifier for the at-sea operating period (e.g., *05-23-10_Brooks McCall*).	<Cruise Start Date>_<Vessel Name>
StationID*	Unique identifier of the location at which samples are collected and measurements are made (e.g. Brooks McCall Station 16 = *BM016*).	<Vessels Initials><3-digit sequential number representing the sampling station>
Latitude*	The latitude that is generated by the CDT (e.g. *28.732012*).	Decimal Degrees (six decimal places)
Longitude*	The longitude that is generated by the CDT (e.g. -*88.318897*).	Decimal Degrees (six decimal places)
Depth*	Total water depth in meters at this location. If possible, take that depth from rough-scale (75 m resolution) bathymetric chart. Otherwise, use the sum of the CDT maximum depth and the instrument's altimeter value at that depth.	Numeric
Date*	The date that the station is occupied.	MM/DD/YYYY
Datum*	The datum used to collect the latitude and longitude measurements.	Must be "NAD83" or "WGS84"

PeakFluorescence	A code for the peak fluorescence signal strength. Valid Values correspond to the following readings.	Valid Values (corresponding readings): No Plume (Background) Very Weak (<= 1 mg/m3) Weak (> 1 mg/m3 and <= 5 mg/m3) Moderate (>5 mg/m3 and <=15 mg/m3) Strong (> 15 mg/m3)
DepthFluorescence	The depth (in meters from the surface) at which the peak fluorescence signal strength was obtained.	Numeric
Comments	Comments or remarks related to this location.	Free Text

Notes: Do not edit the column headers OR move the columns. These are fixed locations that the processing programs look for and rejects the data if information is not found in the assigned locations of the spreadsheet.

Daily Deliverable #3: Data Table of Sampling Information

Required

Format: Microsoft Excel (.xls) Spreadsheet
File Naming Convention: <Date (in the format MM-DD-YYYY)>_<Vessel Name>_Samples
Name of Example File: 05-23-2010_Brooks McCall_Samples
Description: A spreadsheet that documents the samples that were collected at specific locations. This should be a cumulative log for the entire cruise (do not delete what was reported the previous day) and must include the following columns or data fields:

Field Name *Required	Description	Formatting Requirements
CruiseID*	Unique identifier for the at-sea operating period. (e.g., *05-23-10_Brooks McCall*)	<Cruise Start Date>_<Vessel Name>
StationID*	Unique identifier of the location at which samples are collected and measurements are made. (e.g. *BM016*).	<Vessels Initials><3-digit always increasing sequential number, representing the sampling station >
SampleID*	Unique identifier for the sample. *(Ex: SW-06082010-BM008-01)*	<SampleMatrix> - <SampleDate> - <StationID> - <sequential number advanced for each sample collected on a given day>
BottleNumber*	2-digit number for the Niskin/Go-Flo bottle that the sample is drawn from (e.g., 14). As the depth increases, the bottle number decreases. For the surface sample, use 99.	Numeric (2-digit)
SubSampleID*	2 digit number for the subsample within the Niskin/Go-Flo bottle. Start with 1 for the first sample drawn from the bottle and increase	Numeric (2-digit)
SampleMatrix*	Matrix of the sample that is collected.	Valid Values (corresponding descriptions) SO (Source Oil / Fresh Oil) SW (Sea Water).
SampleType*	The type of sample that is being collected.	Valid Values (corresponding descriptions): N (Normal Field Sample) EB (Equipment Blank) FB (Field Blank) FD (Field Duplicate) MS (Matrix Spike) MSD (Matrix Spike Duplicate) TB (Trip Blank)

CollectionMethod*	The general method used to collect the sample.	Valid Values (corresponding descriptions): C (Composite) G (Grab)
SampleDate*	Date that the sample collected.	MM/DD/YYYY
TimeDeployed*	Time when the Niskin/Go-Flo rosette sampler is deployed from the ship. The time needs to come from the CDT Bottle (.BTD) file and be GMT.	HH:MM
TimeCollected*	Time when the Niskin/Go-Flo bottle fires and the water sample is collected. The time needs to come from the CDT Bottle (.BTD) file and be GMT.	HH:MM
SampleDepth*	Depth, in meters, at which the Niskin/Go-Flo bottle triggered, based on the CTD measurements.	Numeric
SampleSheen	Indication of the level of sheen that was observed by the sampling crew on the surface of the Niskin/Go-Flo bottle.	Valid Values: None Slight Heavy
DO_LaMotte	Value for Dissolved Oxygen, in mg/L, of the sample as measured by a ship-board LaMotte 5860 Colormetric Dissolved Oxygen test kit.	Numeric
DO_Probe	Value for Dissolved Oxygen, in mg/L, of the sample as measured by a ship-board handheld probe.	Numeric
DO_Winkler	Value for Dissolved Oxygen, in mg/L, of the sample as measured by by a Winkler titration.	Numeric
DO_Optical	Value for Dissolved Oxygen, in mg/L, of the sample as measured by a ship-board optical probe.	Numeric
LISST*	Indication whether or not related samples were collected for LISST analysis.	Valid Values: Yes No
TOX_8oz*	Indication whether or not related samples were collected for Rototox analysis	Valid Values: Yes No
TPH_1L*	Indication whether or not related samples were collected for Total Polycyclic Aromatic Hydrocarbon analysis.	Valid Values: Yes No
VOA_40ml*	Indication whether or not related samples were collected for Volatile Organics analysis.	Valid Values: Yes No
SampleTeam*	Group that collected samples.	Valid Values: NRDA non-NRDA
Sampler	Name of the individual who collected the sample.	Free Text
SampleComments	Comments on sample that was collected	Free Text

Notes: Do not edit the column headers OR move the columns. These are fixed locations that the processing programs look for and rejects the data if information is not found in the assigned locations of the spreadsheet.

Daily Deliverable #4: Data Table of Rototoxicity Test Results

Optional

Format: Microsoft Excel (.xls) Spreadsheet

File Naming Convention: <Date (in the format MM-DD-YYYY)><*Vessel Name*>*_Rototox*<StationID>

Name of Example File: 05-23-10_Brooks McCall_RotoTox_<StationID>**Description:** Results of the Rototoxicity assessment.
Description: A spreadsheet that documents the results of shipboard toxicity testing. This should be a daily log of results (delete what was reported the previous day) and must include the following columns or data fields:

Field Name *Required	Description	Formatting Requirements
SampleID*	For treatment samples, must match one of the samples from the same Niskin/Go-Flo bottle. For control samples and positive control samples, must match the StationID.	If no lab samples from the Niskin/Go-Flo bottle, identify samples as StationID-Niskin/Go-Flo Bottle Number
SampleType*	Type of sample collected.	Valid Values: Treatment Control Positive Control
Dilution*	% concentration of the sample from the niskin bottle that is analyzed.	Valid Values: 0 6.25 12.5 25 50 100
ReplicateNumber*	The replicate analysis number for a given sample and dilution.	Valid Values 1 2 3 4 5 6
TestStartDate*	Start date of the Rototoxicology test.	MM/DD/YYYY
TestStartTime*	Start time of the Rototoxicology test. The time needs to come from the CDT Bottle (.BTD) file and be GMT.	HH:MM
OrganismsStart*	The number of organisms that were added to the media at the beginning of the test.	Numeric
OrganismsStartAnalyst*	The name of the analyst who counted the organisms at the start of the test.	Free Text
OrganismsEndAlive*	The number of live organisms that were counted after 24 hours.	Numeric
OrganismsEndDead*	The number of dead organisms that were counted after 24 hours.	Numeric
PercentMortality*	(OrganismsEndDead/OrganismsStart)*100	Numeric
TestEndDate*	End date of the Rototoxicology test.	MM/DD/YYYY
TestEndTime*	End time of the Rototoxicology test.	HH:MM
OrganismsEndAnalyst*	The name of the analyst who counted the organisms at the end of the test.	Free text
Comment	Comments related to the Rototoxicity test.	Free Text

Notes: Do not edit the column headers OR move the columns. These are fixed locations that the processing programs look for and rejects the data if information is not found in the assigned locations of the spreadsheet.

Daily Deliverable #5: LISST Particle Analysis Report

Optional
Format: Microsoft Word (.doc) Document
File Naming Convention: <Date (in the format MM-DD-YYYY)>_<Vessel Name>_LISST
Name of Example File: 05-23-2010_Brooks McCall_LISST
Description: A report of LISST analysis activities. This report should be generated by LISST technicians if they are onboard during a cruise.

Daily Deliverable #6: Annotated CTD Plots

Required
Format: .jpg
File Naming Convention: <Date (in the format MM-DD-YYYY)><*Vessel Name*>_*CDT*<StationID>
Name of Example File: 05-23-10_Brooks McCall_CTD_BM014
Description: This deliverable is an image (.jpg) file of a CDT plot. This plot is produced by a Seabird technician. This technician must program the following parameters into the SeaBird processing software so that the plots that are produced are consistent:

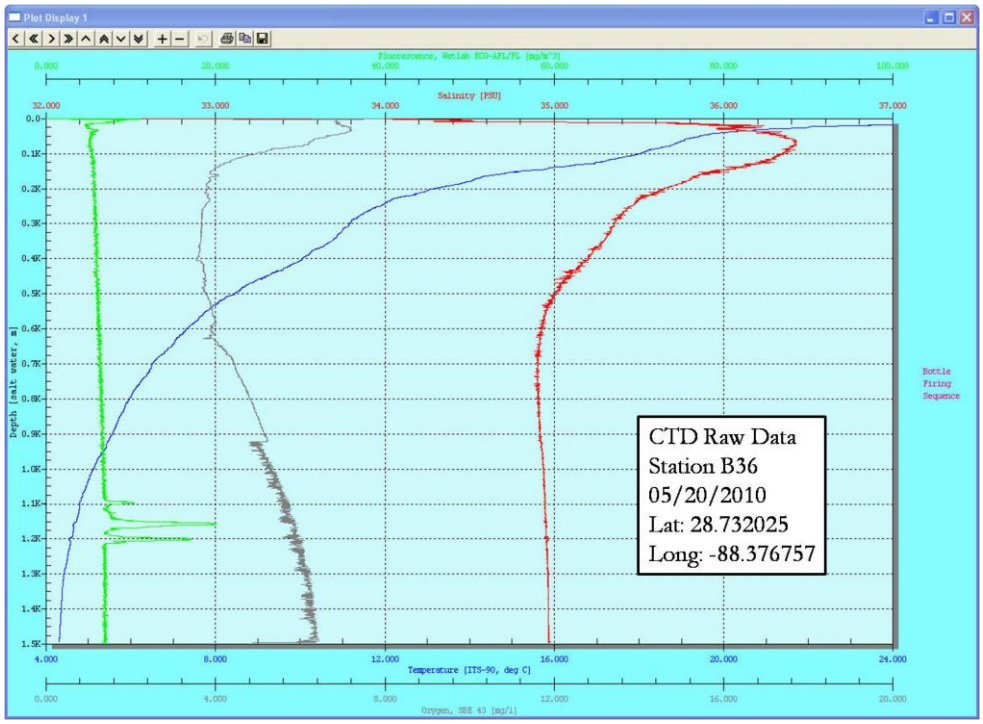
Variable	Units	Axis minimum	Axis maximum
Fluorescence	mg/m³	0	50
Dissolved Oxygen	mg/L	0	20
Temperature	deg C	0	26
Salinity	PSU	32	37

For ease of viewing and to generate a smooth data scan, only the downscan for each of the above variables should be included in the plot. This can be accomplished by splitting the data and generating the plot or stopping the plot generation at the maximum depth.

Once the plot is exported as an image from the SeaBird software, an annotation tag must be added to each plot using Microsoft Powerpoint (or other suitable software) and the resulting diagram should be saved as a JPEG image. The annotation tag must include only the following information (see example):

- "CTD Raw Data"
- StationID
- Date (in the format MM/DD/YYYY)
- CDT Latitude in decimal degrees
- CDT Longitude in decimal degrees

Figure 2: Example CTD Plot



Additional Specifications for CTD Instrumentation Setup

The table below details additional CTD instrumentation setup and detail data specification for the Sea-Bird software. Configuring the CTD scan using these parameters will ensure consistency in data analysis between cruises and between vessels.

It is important to ensure that the parameters specified here are configured exactly as detailed e.g. the order of the "name" fields is important so that this data can be mapped to the target specification.
An example header of the original hex file header (needed for metadata – so make sure the tech updates the file!):

Source File Data	Comment
* Sea-Bird SBE 9 Data File:	
* FileName = D:\03 June _SBE 9 data\SBE 9 Data\OV02101.hex	
* Software Version Seasave V 7.20d	
* Temperature SN = 2234	
* Conductivity SN = 1815	
* Number of Bytes Per Scan = 30	
* Number of Voltage Words = 4	
* Number of Scans Averaged by the Deck Unit = 1	
* System UpLoad Time = Jun 04 2010 12:12:29	
** Vessel: Ocean Veritas	
** Station ID: OV02101	Format: <VESSEL_ID><STATION_ID>
** Date / Time: 4 Jun 2010 / 12:12	
** Nav. Datum-NAD-27	
** Lat: 28.706530	Latitude in decimal degrees
** Lon: -88.348059	Longitude in decimal degrees
** Operator: WJ Bekins	

Order of variables in the file (#name 0 is the first column of data) built after the "datacvn" processing:

# nquan = 15	
# nvalues = 3000	
# units = specified	
# name 0 = t090C: Temperature [ITS-90, deg C]	Ensures that temperature will be presented in column 1 of the detail output
# name 1 = prDM: Pressure, Digiquartz [db]	Ensures that pressure will be presented in column 2 of the detail output
# name 2 = sbeox0V: Oxygen Voltage, SBE 43	Ensures that oxygen voltage will be presented in column 3 of the detail output
# name 3 = flECO-AFL: Fluorescence, Wetlab ECO-AFL/FL [mg/m^3]	Ensures that flurorescence will be presented in column 4 of the detail output
# name 4 = v1: Voltage 1	Ensures that voltage 1 will be presented in column 5 of the detail output
# name 5 = v2: Voltage 2	Ensures that voltage 2 will be presented in column 6 of the detail output

# name 6 = v3: Voltage 3	Ensures that voltage 3 will be presented in column 7 of the detail output
# name 7 = c0S/m: Conductivity [S/m]	Ensures that conductivity will be presented in column 8 of the detail output
# name 8 = depSM: Depth [salt water, m], lat = 29	Ensures that depth will be presented in column 9 of the detail output
# name 9 = sal00: Salinity, Practical [PSU]	Ensures that salinity will be presented in column 10 of the detail output
# name 10 = density00: Density [density, Kg/m^3]	Ensures that density will be presented in column 11 of the detail output
# name 11 = svCM: Sound Velocity [Chen-Millero, m/s]	Ensures that sound velocity will be presented in column 12 of the detail output
# name 12 = sbeox0Mg/L: Oxygen, SBE 43 [mg/l], WS = 2	Ensures that oxygen will be presented in column 13 of the detail output
# name 13 = sbeox0ML/L: Oxygen, SBE 43 [ml/l], WS = 2	Ensures that oxygen will be presented in column 14 of the detail output
# name 14 = flag: flag	
# span 0 = 4.3540, 28.0873	
# span 1 = 3.020, 1518.186	
# span 2 = 1.8009, 3.7157	
# span 3 = 3.1479, 42.4415	
# span 4 = 1.8014, 3.7191	
# span 5 = 0.0781, 0.4918	
# span 6 = 4.9426, 4.9426	
# span 7 = 3.345567, 5.778150	
# span 8 = 3.000, 1502.500	
# span 9 = 33.3517, 36.6291	
# span 10 = 1021.1595, 1034.6632	
# span 11 = 1486.90, 1542.73	
# span 12 = 3.73192, 7.85966	
# span 13 = 2.61137, 5.49972	
# span 14 = 0.0000e+00, 0.0000e+00	

Additional CTD Processing Specifications

The CTD processing steps in the Seabird Software are:

Datcnv > filter> alignctd > celltm > loopedit > wildedit > Derive > binavg > ascii_out > Bottle Summary

Specifics are outlined for each step below (see the seabird website for more detailed instructions on how to use their free software.) The .blt file will be created with the "bottle summary". Create the bottle summary with the same field order as the ascii file.

# interval = meters: 1	Interval specified at 1 meter
# start_time = Jun 04 2010 12:12:29	
# bad_flag = -9.990e-29	
# datcnv_date = Jun 07 2010 13:04:28, 7.20c	
# datcnv_in = C:\C16408\4-Jun-10\ctd re-run\OV02101.hex C:\C16408\4-Jun-10\ctd re-run\OV02101.XMLCON	
# datcnv_skipover = 0	
# datcnv_ox_hysteresis_correction = yes	
# filter_date = Jun 07 2010 13:06:20, 7.20c	
# filter_in = C:\C16408\4-Jun-10\ctd re-run\OV02101.cnv	
# filter_low_pass_tc_A = 0.030	
# filter_low_pass_tc_B = 0.150	
# filter_low_pass_A_vars =	
# filter_low_pass_B_vars = prDM	
# alignctd_date = Jun 07 2010 13:07:09, 7.20c	
# alignctd_in = C:\C16408\4-Jun-10\ctd re-run\OV02101-f.cnv	
# alignctd_adv = sbeox0V 3.500, c0S/m 0.073	
# celltm_date = Jun 07 2010 13:07:23, 7.20c	
# celltm_in = C:\C16408\4-Jun-10\ctd re-run\OV02101-f-a.cnv	
# celltm_alpha = 0.0300, 0.0000	
# celltm_tau = 7.0000, 0.0000	
# celltm_temp_sensor_use_for_cond = primary,	
# loopedit_date = Jun 07 2010 13:07:38, 7.20c	
# loopedit_in = C:\C16408\4-Jun-10\ctd re-run\OV02101-f-a-c.cnv	
# loopedit_minVelocity = 0.200	
# loopedit_surfaceSoak: do not remove	
# loopedit_excl_bad_scans = yes	
# wildedit_date = Jun 07 2010 13:07:53, 7.20c	
# wildedit_in = C:\C16408\4-Jun-10\ctd re-run\OV02101-f-a-c-l.cnv	
# wildedit_pass1_nstd = 2.0	
# wildedit_pass2_nstd = 20.0	
# wildedit_pass2_mindelta = 0.000e+000	
# wildedit_npoint = 100	
# wildedit_vars = t090C prDM v2 v3 c0S/m	
# wildedit_excl_bad_scans = yes	
# Derive_date = Jun 07 2010 13:09:51, 7.20c	
# Derive_in = C:\C16408\4-Jun-10\ctd re-run\OV02101-f-a-c-l-w.cnv C:\C16408\4-Jun-10\from ftp\C16408 Data\SBE 9 21-26\test2601.XMLCON	
# derive_time_window_docdt = seconds: 2	
# derive_ox_tau_correction = yes	
# binavg_date = Jun 07 2010 13:12:34, 7.20c	
# binavg_in = C:\C16408\4-Jun-10\ctd re-run\OV02101-f-a-c-l-w-d.cnv	
# binavg_bintype = meters	
# binavg_binsize = 1	Bin size must be 1 meter
# binavg_excl_bad_scans = yes	
# binavg_skipover = 0	
# binavg_surface_bin = no, min = 0.000, max = 0.000, value = 0.000	
# file_type = ascii	
END	Required to indicate the end of the header section

Additional Specifications related to BP "Target" Format

Header Record

Field Name	Description	Format/Unit of Measure
Orig Datum Used*	Original Datum Used	See note below
Date	Date	MMDDYYYY
Start Time	Start Time – in GMT	HHMMSS
End Time	End Time - in GMT	HHMMSS
Longitude	Longitude	Decimal Degrees (8 decimal places)
Latitude	Latitude	Decimal Degrees (8 decimal places)

* To ensure the integrity of all spatial data associated with the Deepwater Horizon Project, any coordinates supplied in Latitude and Longitude must state which Datum the coordinates are on. In almost all cases this will be WGS84, NAD83 or NAD27.

Specifications related to Detail Record

Field Name	Description	Format/Unit of Measure
Long	Longitude	Decimal Degrees (8 decimal places)
Lat	Latitude	Decimal Degrees (8 decimal places)
Depth_m	Depth	Meters
Temp_C	Temperature	Celsius
Sal_PSU	Salinity	PSU
Den_Kg_m3	Density	Kg/m3
Vp_m_s	Sound Velocity	m/s
Pres_db	Pressure	Db
O2_mg_l	Oxygen	Mg/l
O2_ml_l	Oxygen	Ml/l
Fluoro_mg_m3	Fluorescence	Mg/m3
V1 (to VN as req'd)	Voltage Readings	V

Specifications related to Source to Target Field Mapping

The table below provides the source to target field mapping assignment for the header data. Note that any NULL records must be converted to -99999.

Target Field Name	Source Field Name
Orig Datum Used*	** Nav.
Date	** Date / Time:
Start Time	# start_time
End Time	
Longitude	** Lon:
Latitude	** Lat:

The table below provides the source to target field mapping assignment for the detailed data.

Target Field Name	Source Field Name
Long	** Lon:
Lat	** Lat:
Depth_m	Column 9
Temp_C	Column 1
Sal_PSU	Column 10
Den_Kg_m3	Column 11
Vp_m_s	Column 12
Pres_db	Column 2
O2_mg_l	Column 13
O2_ml_l	Column 14
Fluoro_mg_m3	Column 4
V1	Column 5
V2	Column 6
V3	Column 7

Appendix 2

MC 252 Response

Analytical Request Form (ARF)
Sample Program DDSP
(See Second Page for Examples)

ARF Number: 22Rev4

Purpose: What is the Operational purpose/question that the sampling and testing event is intended to answer/guide? (1-2 sentences max.)

Determine effectiveness of deep-sea dispersant injection. Dispersed plume monitoring will determine physical and chemical characteristics or dispersed plume. The data will directly support the operational "shut-down" determination of deep-sea dispersant injection by agencies.

Contact Information:

Command Center:	Houma	Command Center:	New Orleans
Sample Contact:	Amanda Harford	Data/Result Interpreter:	Don Aurand
Organization:	Entrix	Organization:	Ecosystem Management & Associates
Mobile #:	608-215-4258	Mobile #:	703-431-7082
Email:	aharford@entrix.com	Email:	d.aurand@ecosystem-management.net

Analytical Data Requestor

Analytical Laboratory Information:

Laboratory Name:	Lancaster Laboratories
Contact:	Don Wyand
Phone #:	dwyand@lancasterlabs.com
Address:	Attn: Sample Administration
	2425 New Holland Pike
	Lancaster, PA 17601
	717-656-2301

Analytical Information		Sample Preparation	Number of Investigatory Samples			Number of Quality Control Samples			
Compound List or Parameter	Analytical Method	Bottleware Needed	Air Sample	Aqueous / Liquid	Solid Samples	MS/MSD Samples	Trip Blanks	Field Blanks	Field Duplicates
Volatiles (Attached VO List +20TICs), PAHs (16 parent compounds), Alkyl PAHs, Dispersants by DAI (propylene glycol and 2 butoxy ethanol), Biomarkers (pristane, phytane, hopanes/triterpanes, steranes, and triaomatic steroids)	PABDVAP Full Suite	1- 1L Amber Bottles, 3-40ml vials w/HCL, 3-40ml vials unpreserved	0	X (on going)	0	1 pair/20 samples	1 per day	*	*
PAHs (16 parent compounds), Alkyl PAHs, Biomarkers (pristane, phytane, hopanes/triterpanes, steranes, and triaomatic steroids)	PAH and aPAH, Biomarkers	absorbent pad (4 ounce jar)	0	0	X (ongoing)	0	-	*	*

* See Page 2

Analytical Data Requestor/Interpreter (Name/Signature)

ARF Submitted by (Name/Signature)

Sample QA Team Receipt (Name/Signature)

Technical Reviewer (Name/Signature)

Management Reviewer (Name/Signature)

ARF FORM: SHEET 2

ARF Number *22Rev2*

Additional Requests and Instructions

See attached compound list and reporting limits

Field Blanks should be collected if equipment is not dedicated (i.e. you are decontaminating your equipment and reusing) every 20 samples

Batch QC includes preparation blanks, LCS, laboratory duplicate, collect field duplicates every 20 samples

Turn Around Time (TAT) and Data Package Requirements

Electronic Deliverables emailed to:	MC252_EDD@envstd.com
BP Limited Data Deliverables emailed to:	MC252_Deliverables@envstd.com
BP Limited Data Deliverable - Adobe image-	Specification can be obtained from Szeiner@envstd.com
BP Full Data Package Deliverable:	One (1) Hardcopy BP Full Data Package (BPFDP). Specification can be obtained from Szeiner@envstd.com Two (2) Indexed Adobe images on CDs should be shipped to: MC252 DV Task Manager Environmental Standards, Inc. 1140 Valley Forge Road Valley Forge, PA 19482 - 0810 610.935.5577

Standard TAT: 10 business days for BP Limited Data Package; 35 business days for BP Full Data Package.

Additional Data Packages Required? (Yes) / No If Yes Type: BP Limited Data Package Deliver to: d.aurand@ecosystem-management.net

Is a faster TAT required for this project? 3 day TAT

Does this data set require data verification or validation? Yes

Specify Method Detection Limit (MDL) or Reporting Limit (RL) data reporting. Attached list has LLI's reporting limits

Sample Volume and Sample Program Duration

Estimated Sample Volume (per sample): 1-1L, 3-40ml, 3-40ml, 2 additional 1L for every 20 samples
4-ounce jar for absorbent pad

Estimated Sample Collection Frequency: **Ongoing**
(ongoing, daily, one-time)

Estimated Number of Samples per Shipment: **Approximately 80-150**

Example Sample Program IDs

RAT : Rapid Assessment Team
FRAT : Forensic Rapid Assessment Team
SMART : Spec. Monitoring of Applied Response Technology
SOS : Subsurface Oil Sampling
SR : Special Request
LOOP : Louisiana Offshore Oil Processing
WS : Waste
DEEP : Dispersant Environmental Effect Program
DDSP : Deepwater Dispersant Sampling Plan
PS : Platform Intake Sampling
TKMS : Top Kill Mud Sampling

Lancaster Laboratories

SW-846 8260 (5mL Purge)

Compound	MDL	LOQ	Units
1,1,1-Trichloroethane	0.8	5	ug/l
1,1,2,2-Tetrachloroethane	1	5	ug/l
1,1,2-Trichloroethane	0.8	5	ug/l
1,1-Dichloroethane	1	5	ug/l
1,1-Dichloroethene	0.8	5	ug/l
1,2-Dichloroethane	1	5	ug/l
1,2-Dichloropropane	1	5	ug/l
2-Butanone	3	10	ug/l
2-Hexanone	3	10	ug/l
4-Methyl-2-pentanone	3	10	ug/l
Acetone	6	20	ug/l
Benzene	0.5	5	ug/l
Bromodichloromethane	1	5	ug/l
Bromoform	1	5	ug/l
Bromomethane	1	5	ug/l
Carbon Disulfide	1	5	ug/l
Carbon Tetrachloride	1	5	ug/l
Chlorobenzene	0.8	5	ug/l
Chloroethane	1	5	ug/l
Chloroform	0.8	5	ug/l
Chloromethane	1	5	ug/l
Dibromochloromethane	1	5	ug/l
Ethylbenzene	0.8	5	ug/l
Methylene Chloride	2	5	ug/l
Styrene	1	5	ug/l
Tetrachloroethene	0.8	5	ug/l
Toluene	0.7	5	ug/l
Trichloroethene	1	5	ug/l
Vinyl Chloride	1	5	ug/l
Xylene (Total)	0.8	5	ug/l
cis-1,2-Dichloroethene	0.8	5	ug/l
cis-1,3-Dichloropropene	1	5	ug/l
trans-1,2-Dichloroethene	0.8	5	ug/l
trans-1,3-Dichloropropene	1	5	ug/l
1,2,3-Trichlorobenzene	1	5	ug/l
1,2,4-Trichlorobenzene	1	5	ug/l
1,2-Dibromo-3-chloropropane	2	5	ug/l
1,2-Dibromoethane	1	5	ug/l
1,2-Dichlorobenzene	1	5	ug/l
1,3-Dichlorobenzene	1	5	ug/l
1,4-Dichlorobenzene	1	5	ug/l
Bromochloromethane	1	5	ug/l

Dichlorodifluoromethane	2	5	ug/l
Isopropylbenzene (Cumene)	1	5	ug/l
Methyl Acetate	1	5	ug/l
Methylcyclohexane	1	5	ug/l
Trichlorofluoromethane	2	5	ug/l
Trichlorotrifluoroethane	2	10	ug/l
tert-Butyl methyl ether (MTBE)	0.5	5	ug/l
Cyclohexane	2	5	ug/l

Lancaster Laboratories

PAHs, Alkyl PAHs, Biomarkers and Alkanes
SW-846 8270 SIM

Compound	MDL	LOQ	Units
Acenaphthene	0.02	0.05	ug/L
Acenaphthylene	0.02	0.05	ug/L
Anthracene	0.02	0.05	ug/L
Benzo(a)anthracene	0.02	0.05	ug/L
Benzo(a)pyrene	0.02	0.05	ug/L
Benzo(e)pyrene	0.02	0.05	ug/L
Benzo(b)fluoranthene	0.02	0.05	ug/L
Benzo(g,h,i)perylene	0.02	0.05	ug/L
Benzo(k)fluoranthene	0.02	0.05	ug/L
Chrysene	0.02	0.05	ug/L
C1-Benzanthrene/chrysenes	0.02	0.05	ug/L
C2-Benzanthrene/chrysenes	0.02	0.05	ug/L
C3-Benzanthrene/chrysenes	0.02	0.05	ug/L
C4-Benzanthrene/chrysenes	0.02	0.05	ug/L
Dibenz(a,h)anthracene	0.02	0.05	ug/L
Dibenzothiophene	0.02	0.05	ug/L
C1 - Dibenzothiophenes	0.02	0.05	ug/L
C2 - Dibenzothiophenes	0.02	0.05	ug/L
C3 - Dibenzothiophenes	0.02	0.05	ug/L
Fluoranthene	0.02	0.05	ug/L
C1-Fluoranthrenes/pyrenes	0.02	0.05	ug/L
C2-Fluoranthrenes/pyrenes	0.02	0.05	ug/L
C3-Fluoranthrenes/pyrenes	0.02	0.05	ug/L
C4-Fluoranthrenes/pyrenes	0.02	0.05	ug/L
Fluorene	0.02	0.05	ug/L
C1-Fluorenes	0.02	0.05	ug/L
C2-Fluorenes	0.02	0.05	ug/L
C3-Fluorenes	0.02	0.05	ug/L
Indeno(1,2,3-cd)pyrene	0.02	0.05	ug/L
Naphthalene	0.02	0.05	ug/L
C1-Naphthalenes	0.02	0.05	ug/L
C2-Naphthalenes	0.02	0.05	ug/L
C3-Naphthalenes	0.02	0.05	ug/L
C4-Naphthalenes	0.02	0.05	ug/L
Naphthobenzothiophene	0.02	0.05	ug/L
C1 - Naphthobenzothiophene	0.02	0.05	ug/L
C2 - Naphthobenzothiophene	0.02	0.05	ug/L
C3 - Naphthobenzothiophene	0.02	0.05	ug/L
Perylene	0.02	0.05	ug/L
Phenanthrene	0.02	0.05	ug/L
C1-Phenanthrenes/anthracenes	0.02	0.05	ug/L
C2-Phenanthrenes/anthracenes	0.02	0.05	ug/L
C3-Phenanthrenes/anthracenes	0.02	0.05	ug/L

C4-Phenanthrenes/anthracenes	0.02	0.05	ug/L
Pyrene	0.02	0.05	ug/L
nC-10 Decane	0.5	1	ug/L
nC-11 Undecane	0.5	1	ug/L
nC-12 Dodecane	0.5	1	ug/L
nC-13 Tridecane	0.5	1	ug/L
nC-14 Tetradecane	0.5	1	ug/L
nC-15 Pentadecane	0.5	1	ug/L
nC-16 Hexadecane	0.5	1	ug/L
nC-17 Heptadecane	0.5	1	ug/L
Pristane	0.5	1	ug/L
nC-18 Octadecane	0.5	1	ug/L
Phytane	0.5	1	ug/L
nC-19 Nonadecane	0.5	1	ug/L
nC-20 Eicosane	0.5	1	ug/L
nC-21 Heneicosane	0.5	1	ug/L
nC-22 Docosane	0.5	1	ug/L
nC-23 Tricosane	0.5	1	ug/L
nC-24 Tetracosane	0.5	1	ug/L
nC-25 Pentacosane	0.5	1	ug/L
nC-26 Hexacosane	0.5	1	ug/L
nC-27 Heptacosane	0.5	1	ug/L
nC-28 Octacosane	0.5	1	ug/L
nC-29 Nonacosane	0.5	1	ug/L
nC-30 Triacontane	0.5	1	ug/L
nC-31 Hentriacontane	0.5	1	ug/L
nC-32 Dotriacontane	0.5	1	ug/L
nC-33 Tritriacontane	0.5	1	ug/L
nC-34 Tetratriacontane	0.5	1	ug/L
nC-35 Pentatriacontane	0.5	1	ug/L
Total Alkanes	0.5	1	ug/L

Hopanes/Triterpanes	Reported in the Validation Package per ESI
Steranes	Reported in the Validation Package per ESI
Triaromatic Steroids	Reported in the Validation Package per ESI

Lancaster Laboratories

Dispersants
SW-846 8015 DAI

Compound	MDL	LOQ	Units
Propylene glycol	8	10	mg/L
2-butoxy ethanol	8	10	mg/L

Appendix 3

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-27-2010_Ocean Veritas	OV002	OV002011	5/27/2010	20:40	28.7973	-88.758706	700	<1				0	
05-27-2010_Ocean Veritas	OV002	OV002021	5/27/2010	20:40	28.7973	-88.758706	400	<1				0	
05-27-2010_Ocean Veritas	OV002	OV002031	5/27/2010	20:40	28.7973	-88.758706	2	<1				0	
05-27-2010_Ocean Veritas	OV003	V0201-1	5/27/2010	22:01	28.666022	-88.756806	1020	<1				0	
05-27-2010_Ocean Veritas	OV003	V0202-1	5/27/2010	22:01	28.666022	-88.756806	1020	<1				0	
05-27-2010_Ocean Veritas	OV003	V0203-1	5/27/2010	22:01	28.666022	-88.756806	753	<1				0	
05-27-2010_Ocean Veritas	OV003	V0404-1	5/27/2010	22:01	28.666022	-88.756806	753	<1				0	
05-27-2010_Ocean Veritas	OV003	V0405-1	5/27/2010	22:01	28.666022	-88.756806	353	<1				0	
05-27-2010_Ocean Veritas	OV003	V0406-1	5/27/2010	22:01	28.666022	-88.756806	54	<1				0	
05-27-2010_Ocean Veritas	OV003	V0407-1	5/27/2010	22:01	28.666022	-88.756806	3	<1				0	
5-27-2010_Ocean Veritas	OV004	OV004021	5/27/2010	2:40	28.676717	-88.362856	1399	<1				0	
05-27-2010_OceanVeritas	OV004	OV004031	5/27/2010	2:40	28.676717	-88.362856	1299	<1				0	
05-27-2010_OceanVeritas	OV004	OV004041	5/27/2010	2:40	28.676717	-88.362856	1299	<1				0	
05-27-2010_OceanVeritas	OV004	OV004051	5/27/2010	2:40	28.676717	-88.362856	1097	<1				0	
05-27-2010_OceanVeritas	OV004	OV004061	5/27/2010	2:40	28.676717	-88.362856	501	<1				0	
05-27-2010_OceanVeritas	OV004	OV004071	5/27/2010	2:40	28.676717	-88.362856	2	<1				0	
05-27-2010_OceanVeritas	OV005	OV005071	5/28/2010	15:33	28.802306	-88.366047	1000	<1				0	
05-27-2010_OceanVeritas	OV005	OV005061	5/28/2010	15:32	28.802306	-88.366047	754	<1				3	J
05-27-2010_OceanVeritas	OV005	OV005011	5/28/2010	15:25	28.802306	-88.366047	506	<1				0	
05-27-2010_OceanVeritas	OV005	OV005021	5/28/2010	15:27	28.802306	-88.366047	306	<1				0	
05-27-2010_OceanVeritas	OV005	OV005031	5/28/2010	15:29	28.802306	-88.366047	2	<1				0	
05-27-2010_OceanVeritas	OV009	OV009011	5/29/2010	14:29	28.740994	-88.168814	1412	<1				0	
05-27-2010_OceanVeritas	OV009	OV009021	5/29/2010	14:30	28.740994	-88.168814	1308	<1				0	
05-27-2010_OceanVeritas	OV009	OV009031	5/29/2010	14:31	28.740994	-88.168814	1104	<1				0	
05-27-2010_OceanVeritas	OV009	OV009041	5/29/2010	14:32	28.740994	-88.168814	1006	<1				0	
05-27-2010_OceanVeritas	OV009	OV009051	5/29/2010	14:33	28.740994	-88.168814	749	<1				0	
05-27-2010_OceanVeritas	OV009	OV009061	5/29/2010	14:34	28.740994	-88.168814	501	<1				0	
05-27-2010_OceanVeritas	OV009	OV009071	5/29/2010	14:35	28.740994	-88.168814	3	<1				0	
05-27-2010_OceanVeritas	OV010	OV010011	5/29/2010	17:38	28.730275	-88.416872	1155	1					
05-27-2010_OceanVeritas	OV010	OV010021	5/29/2010	17:39	28.730275	-88.416872	1155	1					
05-27-2010_OceanVeritas	OV010	OV010031	5/29/2010	17:41	28.730275	-88.416872	1135	2					
05-27-2010_OceanVeritas	OV010	OV010041	5/29/2010	17:42	28.730275	-88.416872	1135	2					
05-27-2010_OceanVeritas	OV010	OV010051	5/29/2010	17:44	28.730275	-88.416872	1100	1					
05-27-2010_OceanVeritas	OV010	OV010061	5/29/2010	17:45	28.730275	-88.416872	502	<1					
05-27-2010_OceanVeritas	OV010	OV010071	5/29/2010	0:00	28.730275	-88.416872	2						
05-27-2010_Ocean Veritas	OV011	OV011011	5/30/2010	1:40	28.732011	-88.376789	1283						
05-27-2010_Ocean Veritas	OV011	OV011021	5/30/2010	1:40	28.732011	-88.376789	1206						
05-27-2010_Ocean Veritas	OV011	OV011031	5/30/2010	1:40	28.732011	-88.376789	1206						
05-27-2010_Ocean Veritas	OV011	OV011041	5/30/2010	1:40	28.732011	-88.376789	1180						
05-27-2010_Ocean Veritas	OV011	OV011051	5/30/2010	1:40	28.732011	-88.376789	1180						
05-27-2010_Ocean Veritas	OV011	OV011061	5/30/2010	1:40	28.732011	-88.376789	1041						
05-27-2010_Ocean Veritas	OV011	OV011062	5/30/2010	1:40	28.732011	-88.376789	1041						
05-27-2010_Ocean Veritas	OV011	OV011071	5/30/2010	1:40	28.732011	-88.376789	501						
05-27-2010_Ocean Veritas	OV012	OV012011	5/30/2010	4:49	28.735442	-88.557581	801						
05-27-2010_Ocean Veritas	OV012	OV012021	5/30/2010	4:51	28.735442	-88.557581	700						
05-27-2010_Ocean Veritas	OV012	OV012031	5/30/2010	4:53	28.735442	-88.557581	501						

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-27-2010_Ocean Veritas	OV012	OV012041	5/30/2010	4:55	28.735442	-88.557581	201						
05-27-2010_Ocean Veritas	OV012	OV012051	5/30/2010	4:58	28.735442	-88.557581	50						
05-27-2010_Ocean Veritas	OV012	OV012061	5/30/2010	4:58	28.735442	-88.557581	2						
06-02-2010_Ocean Veritas	OV013	OV013011	6/2/2010	8:40	28.801976	-88.391856	1100			0		0	
06-02-2010_Ocean Veritas	OV013	OV013021	6/2/2010	8:40	28.801976	-88.391856	700			33		0	
06-02-2010_Ocean Veritas	OV013	OV013031	6/2/2010	8:40	28.801976	-88.391856	350			0		0	
06-02-2010_Ocean Veritas	OV013	OV013041	6/2/2010	8:40	28.801976	-88.391856	50			0		0	
06-02-2010_Ocean Veritas	OV013	OV013051	6/2/2010	8:40	28.801976	-88.391856	2			1	J	0	
06-02-2010_Ocean Veritas	OV014	OV014011	6/2/2010	10:34	28.770928	-88.392046	1100			0		0	
06-02-2010_Ocean Veritas	OV014	OV014031	6/2/2010	10:34	28.770928	-88.392046	700			0		0	
06-02-2010_Ocean Veritas	OV014	OV014041	6/2/2010	10:34	28.770928	-88.392046	350			0		2	J
06-02-2010_Ocean Veritas	OV014	OV014051	6/2/2010	10:34	28.770928	-88.392046	50			0		0	
06-02-2010_Ocean Veritas	OV014	OV014061	6/2/2010	10:34	28.770928	-88.392046	2			7		0	
06-02-2010_Ocean Veritas	OV015	OV015011	6/2/2010	1:14	28.740080	-88.391591	1444			0		0	
06-02-2010_Ocean Veritas	OV015	OV015021	6/2/2010	1:14	28.740080	-88.391591	1160						
06-02-2010_Ocean Veritas	OV015	OV015031	6/2/2010	1:14	28.740080	-88.391591	1082					76	
06-02-2010_Ocean Veritas	OV015	OV015051	6/2/2010	1:14	28.740080	-88.391591	730			0		0	
06-02-2010_Ocean Veritas	OV015	OV015061	6/2/2010	1:14	28.740080	-88.391591	400			1	J	0	
06-02-2010_Ocean Veritas	OV015	OV015071	6/2/2010	1:14	28.740080	-88.391591	50			0		0	
06-02-2010_Ocean Veritas	OV016	OV016011	6/3/2010	2:30	28.740080	-88.391591	1160			0		60	
06-02-2010_Ocean Veritas	OV017	OV017011	6/3/2010	13:22	28.709114	-88.391622	1500			0		0	
06-02-2010_Ocean Veritas	OV017	OV017021	6/3/2010	13:22	28.709114	-88.391622	1000			0		0	
06-02-2010_Ocean Veritas	OV017	OV017031	6/3/2010	13:22	28.709114	-88.391622	400			0		0	
06-02-2010_Ocean Veritas	OV017	OV017041	6/3/2010	13:22	28.709114	-88.391622	50			0		0	
06-02-2010_Ocean Veritas	OV017	OV017051	6/3/2010	13:22	28.709114	-88.391622	2			1	J	0	
06-02-2010_Ocean Veritas	OV018	OV018011	6/3/2010	15:45	28.678081	-88.391623	1500			4	J	0	
06-02-2010_Ocean Veritas	OV018	OV018021	6/3/2010	15:45	28.678081	-88.391623	1000			3	J	0	
06-02-2010_Ocean Veritas	OV018	OV018031	6/3/2010	15:45	28.678081	-88.391623	400			8		0	
06-02-2010_Ocean Veritas	OV018	OV018041	6/3/2010	15:45	28.678081	-88.391623	80			8		0	
06-02-2010_Ocean Veritas	OV018	OV018051	6/3/2010	15:45	28.678081	-88.391623	50			0		0	
06-02-2010_Ocean Veritas	OV018	OV018061	6/3/2010	15:45	28.678081	-88.391623	2			0		0	
06-02-2010_Ocean Veritas	OV019	OV019011	6/3/2010	21:27	28.674982	-88.428935	1342			10		0	
06-02-2010_Ocean Veritas	OV019	OV019021	6/3/2010	21:27	28.674982	-88.428935	1000			9		0	
06-02-2010_Ocean Veritas	OV019	OV019031	6/3/2010	21:27	28.674982	-88.428935	400			8		0	
06-02-2010_Ocean Veritas	OV019	OV019041	6/3/2010	21:27	28.674982	-88.428935	50			9		0	
06-02-2010_Ocean Veritas	OV019	OV019051	6/3/2010	21:27	28.674982	-88.428935	2			7		0	
06-02-2010_Ocean Veritas	OV020	OV020011	6/3/2010	23:20	28.70645	-88.428935	1466			4	J	0	
06-02-2010_Ocean Veritas	OV020	OV020021	6/3/2010	23:20	28.70645	-88.428935	1000			6		0	
06-02-2010_Ocean Veritas	OV020	OV020031	6/3/2010	23:20	28.70645	-88.428935	400			9		0	
06-02-2010_Ocean Veritas	OV020	OV020041	6/3/2010	23:20	28.70645	-88.428935	50			4	J	0	
06-02-2010_Ocean Veritas	OV020	OV020051	6/3/2010	23:20	28.70645	-88.428935	2			8		0	
06-02-2010_Ocean Veritas	OV021	OV021011	6/4/2010	13:22	28.706500	-88.347900	1296			6		0	
06-02-2010_Ocean Veritas	OV021	OV021021	6/4/2010	13:22	28.706500	-88.347900	1072			42		400	
06-02-2010_Ocean Veritas	OV021	OV021031	6/4/2010	13:22	28.706500	-88.347900	1048			15		110	
06-02-2010_Ocean Veritas	OV021	OV021041	6/4/2010	13:22	28.706500	-88.347900	900			9		3	J
06-02-2010_Ocean Veritas	OV021	OV021051	6/4/2010	13:22	28.706500	-88.347900	773			7		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-02-2010_Ocean Veritas	OV021	OV021061	6/4/2010	13:22	28.706500	-88.347900	498			0		0	
06-02-2010_Ocean Veritas	OV021	OV021071	6/4/2010	13:22	28.706500	-88.347900	49			0		0	
06-02-2010_Ocean Veritas	OV022	OV022011	6/4/2010	0:00	28.7065	-88.3479	3			27		6	J
06-02-2010_Ocean Veritas	OV023	OV023011	6/4/2010	16:30	28.674600	-88.329800	1399			0		0	
06-02-2010_Ocean Veritas	OV023	OV023021	6/4/2010	16:30	28.674600	-88.329800	1098			0		0	
06-02-2010_Ocean Veritas	OV023	OV023031	6/4/2010	16:30	28.674600	-88.329800	951			0		4	J
06-02-2010_Ocean Veritas	OV023	OV023041	6/4/2010	16:30	28.674600	-88.329800	500			0		0	
06-02-2010_Ocean Veritas	OV023	OV023051	6/4/2010	16:30	28.674600	-88.329800	308						
06-02-2010_Ocean Veritas	OV023	OV023061	6/4/2010	16:30	28.674600	-88.329800	50			0		0	
06-02-2010_Ocean Veritas	OV023	OV023071	6/4/2010	16:30	28.674600	-88.329800	2			1	J	0	
06-02-2010_Ocean Veritas	OV023	OV023081	6/4/2010	16:30	28.674600	-88.329800	1488			0		0	
06-02-2010_Ocean Veritas	OV024	OV024011	6/4/2010	18:46	28.675768	-88.347224	1022			0		0	
06-02-2010_Ocean Veritas	OV024	OV024021	6/4/2010	18:46	28.675768	-88.347224	910			4	J	74	
06-02-2010_Ocean Veritas	OV024	OV024031	6/4/2010	18:46	28.675768	-88.347224	698			1	J	0	
06-02-2010_Ocean Veritas	OV024	OV024041	6/4/2010	18:46	28.675768	-88.347224	500			0		0	
06-02-2010_Ocean Veritas	OV024	OV024051	6/4/2010	18:46	28.675768	-88.347224	300			0		0	
06-02-2010_Ocean Veritas	OV024	OV024061	6/4/2010	18:46	28.675768	-88.347224	50			0		0	
06-02-2010_Ocean Veritas	OV024	OV024071	6/4/2010	18:46	28.675768	-88.347224	3			0		210	
06-02-2010_Ocean Veritas	OV024	OV024081	6/4/2010	18:46	28.675768	-88.347224	1496			0		0	
06-02-2010_Ocean Veritas	OV025	OV025011	6/4/2010	22:07	28.689414	-88.361276	1051			0		0	
06-02-2010_Ocean Veritas	OV025	OV025021	6/4/2010	22:07	28.689414	-88.361276	869			0		0	
06-02-2010_Ocean Veritas	OV025	OV025031	6/4/2010	22:07	28.689414	-88.361276	624			0		0	
06-02-2010_Ocean Veritas	OV025	OV025041	6/4/2010	22:07	28.689414	-88.361276	500			27		0	
06-02-2010_Ocean Veritas	OV025	OV025051	6/4/2010	22:07	28.689414	-88.361276	300			0		0	
06-02-2010_Ocean Veritas	OV025	OV025061	6/4/2010	22:07	28.689414	-88.361276	50			0		0	
06-02-2010_Ocean Veritas	OV025	OV025071	6/4/2010	22:07	28.689414	-88.361276	4			0		0	
06-02-2010_Ocean Veritas	OV025	OV025081	6/4/2010	22:07	28.689414	-88.361276	1499			3	J	0	
06-02-2010_Ocean Veritas	OV026	OV026011	6/4/2010	0:07	28.707290	-88.360949	1090						
06-02-2010_Ocean Veritas	OV026	OV026021	6/4/2010	0:07	28.707290	-88.360949	947						
06-02-2010_Ocean Veritas	OV026	OV026031	6/4/2010	0:07	28.707290	-88.360949	834						
06-02-2010_Ocean Veritas	OV026	OV026041	6/4/2010	0:07	28.707290	-88.360949	534						
06-02-2010_Ocean Veritas	OV026	OV026051	6/4/2010	0:07	28.707290	-88.360949	350						
06-02-2010_Ocean Veritas	OV026	OV026061	6/4/2010	0:07	28.707290	-88.360949	50						
06-02-2010_Ocean Veritas	OV026	OV026071	6/4/2010	0:07	28.707290	-88.360949	3			10		0	
06-02-2010_Ocean Veritas	OV026	OV026081	6/4/2010	0:07	28.707290	-88.360949	1575			0		0	
06-07-2010_Ocean Veritas	OV027	OV027011	6/8/2010	14:08	28.800795	-88.504048	1082			1	J	0	
06-07-2010_Ocean Veritas	OV027	OV027021	6/8/2010	14:08	28.800795	-88.504048	976			1	J	0	
06-07-2010_Ocean Veritas	OV027	OV027031	6/8/2010	14:08	28.800795	-88.504048	600			1	J	0	
06-07-2010_Ocean Veritas	OV027	OV027041	6/8/2010	14:08	28.800795	-88.504048	400			1	J	0	
06-07-2010_Ocean Veritas	OV027	OV027051	6/8/2010	14:08	28.800795	-88.504048	199			0		0	
06-07-2010_Ocean Veritas	OV027	OV027061	6/8/2010	14:08	28.800795	-88.504048	175			0		0	
06-07-2010_Ocean Veritas	OV027	OV027071	6/8/2010	14:08	28.800795	-88.504048	50			1	J	0	
06-07-2010_Ocean Veritas	OV027	OV027081	6/8/2010	14:08	28.800795	-88.504048	2			1	J	0	
06-07-2010_Ocean Veritas	OV028	OV028011	6/8/2010	17:10	28.80075	-88.462457	1228			1	J		
06-07-2010_Ocean Veritas	OV028	OV028012	6/8/2010	17:10	28.80075	-88.462457	1228					0	
06-07-2010_Ocean Veritas	OV028	OV028021	6/8/2010	17:10	28.80075	-88.462457	974			1	J		

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-07-2010_Ocean Veritas	OV028	OV028022	6/8/2010	17:10	28.80075	-88.462457	974					0	
06-07-2010_Ocean Veritas	OV028	OV028031	6/8/2010	17:10	28.80075	-88.462457	600			1	J		
06-07-2010_Ocean Veritas	OV028	OV028032	6/8/2010	17:10	28.80075	-88.462457	600					0	
06-07-2010_Ocean Veritas	OV028	OV028041	6/8/2010	17:10	28.80075	-88.462457	399			1	J		
06-07-2010_Ocean Veritas	OV028	OV028042	6/8/2010	17:10	28.80075	-88.462457	399					0	
06-07-2010_Ocean Veritas	OV028	OV028051	6/8/2010	17:10	28.80075	-88.462457	200			1	J	0	
06-07-2010_Ocean Veritas	OV028	OV028061	6/8/2010	17:10	28.80075	-88.462457	149			2	J	0	
06-07-2010_Ocean Veritas	OV028	OV028071	6/8/2010	17:10	28.80075	-88.462457	50			1	J	0	
06-07-2010_Ocean Veritas	OV028	OV028081	6/8/2010	17:10	28.80075	-88.462457	4			1	J	0	
06-07-2010_Ocean Veritas	OV029	OV029011	6/8/2010	19:30	28.774282	-88.462457	1334			1	J	0	
06-07-2010_Ocean Veritas	OV029	OV029021	6/8/2010	19:30	28.774282	-88.462457	999						
06-07-2010_Ocean Veritas	OV029	OV029031	6/8/2010	19:30	28.774282	-88.462457	750			1	J	0	
06-07-2010_Ocean Veritas	OV029	OV029041	6/8/2010	19:30	28.774282	-88.462457	400			5	J	0	
06-07-2010_Ocean Veritas	OV029	OV029051	6/8/2010	19:30	28.774282	-88.462457	250			2	J	0	
06-07-2010_Ocean Veritas	OV029	OV029061	6/8/2010	19:30	28.774282	-88.462457	160			1	J	0	
06-07-2010_Ocean Veritas	OV029	OV029071	6/8/2010	19:30	28.774282	-88.462457	50			1	J	0	
06-07-2010_Ocean Veritas	OV029	OV029081	6/8/2010	19:30	28.774282	-88.462457	2			1	J	0	
06-07-2010_Ocean Veritas	OV030	OV030011	6/8/2010	22:43	28.670523	-88.391623	1509			1	J	0	
06-07-2010_Ocean Veritas	OV030	OV030021	6/8/2010	22:43	28.670523	-88.391623	958			1	J		
06-07-2010_Ocean Veritas	OV030	OV030022	6/8/2010	22:43	28.670523	-88.391623	958					3	J
06-07-2010_Ocean Veritas	OV030	OV030031	6/8/2010	22:43	28.670523	-88.391623	859			1	J		
06-07-2010_Ocean Veritas	OV030	OV030032	6/8/2010	22:43	28.670523	-88.391623	859					3	J
06-07-2010_Ocean Veritas	OV030	OV030041	6/8/2010	22:43	28.670523	-88.391623	520			1	J		
06-07-2010_Ocean Veritas	OV030	OV030042	6/8/2010	22:43	28.670523	-88.391623	520					0	
06-07-2010_Ocean Veritas	OV030	OV030051	6/8/2010	22:43	28.670523	-88.391623	400			1	J		
06-07-2010_Ocean Veritas	OV030	OV030052	6/8/2010	22:43	28.670523	-88.391623	400					0	
06-07-2010_Ocean Veritas	OV030	OV030061	6/8/2010	22:43	28.670523	-88.391623	226			1	J		
06-07-2010_Ocean Veritas	OV030	OV030062	6/8/2010	22:43	28.670523	-88.391623	226					0	
06-07-2010_Ocean Veritas	OV030	OV030071	6/8/2010	22:43	28.670523	-88.391623	49			1	J		
06-07-2010_Ocean Veritas	OV030	OV030072	6/8/2010	22:43	28.670523	-88.391623	49					0	
06-07-2010_Ocean Veritas	OV030	OV030081	6/8/2010	22:43	28.670523	-88.391623	2			5	J		
06-07-2010_Ocean Veritas	OV031	OV031011	6/8/2010	1:39	28.715668	-88.366609	1398			1	J	0	
06-07-2010_Ocean Veritas	OV031	OV031021	6/9/2010	1:39	28.715668	-88.366609	924			1	J	0	
06-07-2010_Ocean Veritas	OV031	OV031031	6/9/2010	1:39	28.715668	-88.366609	849			1	J	0	
06-07-2010_Ocean Veritas	OV031	OV031041	6/9/2010	1:39	28.715668	-88.366609	599			0		0	
06-07-2010_Ocean Veritas	OV031	OV031051	6/9/2010	1:39	28.715668	-88.366609	400			1	J	0	
06-07-2010_Ocean Veritas	OV031	OV031061	6/9/2010	1:39	28.715668	-88.366609	199			1	J	0	
06-07-2010_Ocean Veritas	OV031	OV031071	6/9/2010	1:39	28.715668	-88.366609	50			1	J	0	
06-07-2010_Ocean Veritas	OV031	OV031081	6/9/2010	1:39	28.715668	-88.366609	2			2	J	0	
06-07-2010_Ocean Veritas	OV032	OV032011	6/9/2010	13:22	28.71553	-88.361426	1399			0		0	
06-07-2010_Ocean Veritas	OV032	OV032021	6/9/2010	13:22	28.71553	-88.361426	1099			1	J	0	
06-07-2010_Ocean Veritas	OV032	OV032031	6/9/2010	13:22	28.71553	-88.361426	924			1	J	0	
06-07-2010_Ocean Veritas	OV032	OV032041	6/9/2010	13:22	28.71553	-88.361426	825			1	J	0	
06-07-2010_Ocean Veritas	OV032	OV032051	6/9/2010	13:22	28.71553	-88.361426	400			1	J	0	
06-07-2010_Ocean Veritas	OV032	OV032061	6/9/2010	13:22	28.71553	-88.361426	200			1	J	0	
06-07-2010_Ocean Veritas	OV032	OV032071	6/9/2010	13:22	28.71553	-88.361426	50			1	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-07-2010_Ocean Veritas	OV032	OV032081	6/9/2010	13:22	28.71553	-88.361426	2			2	J	0	
06-07-2010_Ocean Veritas	OV033	OV033011	6/9/2010	15:21	28.715869	-88.37169	1397			1	J	0	
06-07-2010_Ocean Veritas	OV033	OV033021	6/9/2010	15:21	28.715869	-88.37169	1100			0		0	
06-07-2010_Ocean Veritas	OV033	OV033031	6/9/2010	15:21	28.715869	-88.37169	923			0		0	
06-07-2010_Ocean Veritas	OV033	OV033041	6/9/2010	15:21	28.715869	-88.37169	822			0		0	
06-07-2010_Ocean Veritas	OV033	OV033051	6/9/2010	15:21	28.715869	-88.37169	400			1	J	0	
06-07-2010_Ocean Veritas	OV033	OV033061	6/9/2010	15:21	28.715869	-88.37169	200			0		0	
06-07-2010_Ocean Veritas	OV033	OV033071	6/9/2010	15:21	28.715869	-88.37169	51			0		0	
06-07-2010_Ocean Veritas	OV033	OV033081	6/9/2010	15:21	28.715869	-88.37169	3			2	J	0	
06-07-2010_Ocean Veritas	OV034	OV034011	6/9/2010	18:24	28.718224	-88.376945	1498			0		0	
06-07-2010_Ocean Veritas	OV034	OV034021	6/9/2010	18:24	28.718224	-88.376945	1199			0		0	
06-07-2010_Ocean Veritas	OV034	OV034031	6/9/2010	18:24	28.718224	-88.376945	950			0		0	
06-07-2010_Ocean Veritas	OV034	OV034041	6/9/2010	18:24	28.718224	-88.376945	824			0		1	J
06-07-2010_Ocean Veritas	OV034	OV034051	6/9/2010	18:24	28.718224	-88.376945	450			0		0	
06-07-2010_Ocean Veritas	OV034	OV034061	6/9/2010	18:24	28.718224	-88.376945	200			0		0	
06-07-2010_Ocean Veritas	OV034	OV034071	6/9/2010	18:24	28.718224	-88.376945	51			0		0	
06-07-2010_Ocean Veritas	OV034	OV034081	6/9/2010	18:24	28.718224	-88.376945	2			86		20	
06-07-2010_Ocean Veritas	OV035	OV035011	6/9/2010	20:18	28.723998	-88.384983	1398			0		0	
06-07-2010_Ocean Veritas	OV035	OV035021	6/9/2010	20:18	28.723998	-88.384983	1138			20		830	
06-07-2010_Ocean Veritas	OV035	OV035031	6/9/2010	20:18	28.723998	-88.384983	1139			30		880	
06-07-2010_Ocean Veritas	OV035	OV035041	6/9/2010	20:18	28.723998	-88.384983	801			2	J	32	
06-07-2010_Ocean Veritas	OV035	OV035051	6/9/2010	20:18	28.723998	-88.384983	574			0		0	
06-07-2010_Ocean Veritas	OV035	OV035061	6/9/2010	20:18	28.723998	-88.384983	300			0		0	
06-07-2010_Ocean Veritas	OV035	OV035071	6/9/2010	20:18	28.723998	-88.384983	52			1	J	0	
06-07-2010_Ocean Veritas	OV035	OV035081	6/9/2010	20:18	28.723998	-88.384983	3			22		2	J
06-07-2010_Ocean Veritas	OV036	OV036011	6/10/2010	14:09	28.73201	-88.37679	1520			0		0	
06-07-2010_Ocean Veritas	OV036	OV036021	6/10/2010	14:09	28.73201	-88.37679	1128			20		790	
06-07-2010_Ocean Veritas	OV036	OV036031	6/10/2010	14:09	28.73201	-88.37679	1127			21		900	
06-07-2010_Ocean Veritas	OV036	OV036041	6/10/2010	14:09	28.73201	-88.37679	925			0		380	
06-07-2010_Ocean Veritas	OV036	OV036051	6/10/2010	14:09	28.73201	-88.37679	759			3	J	0	
06-07-2010_Ocean Veritas	OV036	OV036061	6/10/2010	14:09	28.73201	-88.37679	399			1	J	0	
06-07-2010_Ocean Veritas	OV036	OV036071	6/10/2010	14:09	28.73201	-88.37679	50			0		0	
06-07-2010_Ocean Veritas	OV036	OV036081	6/10/2010	14:09	28.73201	-88.37679	2			3	J	0	
06-07-2010_Ocean Veritas	OV037	OV037011	6/10/2010	16:24	28.705997	-88.413788	1400			2	J	0	
06-07-2010_Ocean Veritas	OV037	OV037021	6/10/2010	16:24	28.705997	-88.413788	960						
06-07-2010_Ocean Veritas	OV037	OV037031	6/10/2010	16:24	28.705997	-88.413788	925			4	J	0	
06-07-2010_Ocean Veritas	OV037	OV037041	6/10/2010	16:24	28.705997	-88.413788	860			5	J	4	J
06-07-2010_Ocean Veritas	OV037	OV037051	6/10/2010	16:24	28.705997	-88.413788	600			9		0	
06-07-2010_Ocean Veritas	OV037	OV037061	6/10/2010	16:24	28.705997	-88.413788	400			7		0	
06-07-2010_Ocean Veritas	OV037	OV037071	6/10/2010	16:24	28.705997	-88.413788	50			10		0	
06-07-2010_Ocean Veritas	OV037	OV037081	6/10/2010	16:24	28.705997	-88.413788	2			8		0	
06-07-2010_Ocean Veritas	OV038	OV038011	6/10/2010	18:26	28.717	-88.398	1400			3	J	0	
06-07-2010_Ocean Veritas	OV038	OV038021	6/10/2010	18:26	28.717	-88.398	1100			0		0	
06-07-2010_Ocean Veritas	OV038	OV038031	6/10/2010	18:26	28.717	-88.398	890			0		1	J
06-07-2010_Ocean Veritas	OV038	OV038041	6/10/2010	18:26	28.717	-88.398	850			0		4	J
06-07-2010_Ocean Veritas	OV038	OV038051	6/10/2010	18:26	28.717	-88.398	600			1	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-07-2010_Ocean Veritas	OV038	OV038061	6/10/2010	18:26	28.717	-88.398	400			0		0	
06-07-2010_Ocean Veritas	OV038	OV038071	6/10/2010	18:26	28.717	-88.398	50			1	J	0	
06-07-2010_Ocean Veritas	OV038	OV038081	6/10/2010	18:26	28.717	-88.398	2			11		0	
06-07-2010_Ocean Veritas	OV039	OV039011	6/10/2010	20:49	28.745000	-88.398000	1297			0		0	
06-07-2010_Ocean Veritas	OV039	OV039021	6/10/2010	20:49	28.745000	-88.398000	1174			0		750	
06-07-2010_Ocean Veritas	OV039	OV039031	6/10/2010	20:49	28.745000	-88.398000	924			0		0	
06-07-2010_Ocean Veritas	OV039	OV039041	6/10/2010	20:49	28.745000	-88.398000	879			1	J	0	
06-07-2010_Ocean Veritas	OV039	OV039051	6/10/2010	20:49	28.745000	-88.398000	499			5	J	0	
06-07-2010_Ocean Veritas	OV039	OV039061	6/10/2010	20:49	28.745000	-88.398000	300			4	J	0	
06-07-2010_Ocean Veritas	OV039	OV039071	6/10/2010	20:49	28.745000	-88.398000	51			0		0	
06-07-2010_Ocean Veritas	OV039	OV039081	6/10/2010	20:49	28.745000	-88.398000	2			20		0	
06-07-2010_Ocean Veritas	OV040	OV040011	6/10/2010	22:48	28.745	-88.422	1399			1	J	0	
06-07-2010_Ocean Veritas	OV040	OV040021	6/10/2010	22:48	28.745	-88.422	1188			1	J	130	
06-07-2010_Ocean Veritas	OV040	OV040031	6/10/2010	22:48	28.745	-88.422	1149			1	J	170	
06-07-2010_Ocean Veritas	OV040	OV040041	6/10/2010	22:48	28.745	-88.422	1149			2	J	630	
06-07-2010_Ocean Veritas	OV040	OV040051	6/10/2010	22:48	28.745	-88.422	974			1	J	74	
06-07-2010_Ocean Veritas	OV040	OV040061	6/10/2010	22:48	28.745	-88.422	330			0		0	
06-07-2010_Ocean Veritas	OV040	OV040071	6/10/2010	22:48	28.745	-88.422	49			1	J	0	
06-07-2010_Ocean Veritas	OV040	OV040081	6/10/2010	22:48	28.745	-88.422	1			5	J	0	
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-009	6/14/2010	14:43	28.791880	-88.338926	1299			0		8	J
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-0010	6/14/2010	14:43	28.791880	-88.338926	1200			0		2	J
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-003	6/14/2010	14:43	28.791880	-88.338926	1113			1	J	0	
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-004	6/14/2010	14:43	28.791880	-88.338926	979			1	J	1	J
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-005	6/14/2010	14:43	28.791880	-88.338926	673			8		59	
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-006	6/14/2010	14:43	28.791880	-88.338926	374			1	J	0	
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-007	6/14/2010	14:43	28.791880	-88.338926	51			0		1	J
06-13-2010_Ocean Veritas	OV042	SW-20100614-OV-008	6/14/2010	14:43	28.791880	-88.338926	4			1	J	1	J
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-011	6/14/2010	17:38	28.762861	-88.353747	1448			0		2	J
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-012	6/14/2010	17:38	28.762861	-88.353747	1148			1	J	370	
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-013	6/14/2010	17:38	28.762861	-88.353747	1099			2	J	59	
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-014	6/14/2010	17:38	28.762861	-88.353747	899			1	J	16	J
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-015	6/14/2010	17:38	28.762861	-88.353747	724			0		3	J
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-016	6/14/2010	17:38	28.762861	-88.353747	374			10		1	J
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-017	6/14/2010	17:38	28.762861	-88.353747	50			2	J	0	
06-13-2010_Ocean Veritas	OV043	SW-20100614-OV-018	6/14/2010	17:38	28.762861	-88.353747	13			0		1	J
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-020	6/14/2010	19:52	28.752616	-88.340081	1500			0		1	J
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-021	6/14/2010	19:52	28.752616	-88.340081	1148			1	J	260	
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-022	6/14/2010	19:52	28.752616	-88.340081	1099			1	J	15	
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-023	6/14/2010	19:52	28.752616	-88.340081	1048			1	J	12	J
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-024	6/14/2010	19:52	28.752616	-88.340081	699					38	
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-025	6/14/2010	19:52	28.752616	-88.340081	375			1	J	2	J
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-026	6/14/2010	19:52	28.752616	-88.340081	50			1	J	1	J
06-13-2010_Ocean Veritas	OV044	SW-20100614-OV-027	6/14/2010	19:52	28.752616	-88.340081	3			1	J	2	J
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-029	6/14/2010	21:59	28.763623	-88.323622	1297			1	J	0	
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-030	6/14/2010	21:59	28.763623	-88.323622	1129			1	J	300	
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-031	6/14/2010	21:59	28.763623	-88.323622	1099			1	J	3	J

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-032	6/14/2010	21:59	28.763623	-88.323622	699			0		1	J
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-033	6/14/2010	21:59	28.763623	-88.323622	500			0		15	J
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-034	6/14/2010	21:59	28.763623	-88.323622	298			0		0	
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-035	6/14/2010	21:59	28.763623	-88.323622	50			1	J	0	
06-13-2010_Ocean Veritas	OV045	SW-20100614-OV-036	6/14/2010	21:59	28.763623	-88.323622	2			1	J	2	J
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-037	6/14/2010	23:52	28.751052	-88.316943	1435			0		0	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-038	6/14/2010	23:52	28.751052	-88.316943	1168			1	J	150	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-039	6/14/2010	23:52	28.751052	-88.316943	1119			1	J	59	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-040	6/14/2010	23:52	28.751052	-88.316943	699			0		0	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-041	6/14/2010	23:52	28.751052	-88.316943	499			1	J	0	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-042	6/14/2010	23:52	28.751052	-88.316943	199			30		0	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-043	6/14/2010	23:52	28.751052	-88.316943	50			0		0	
06-13-2010_Ocean Veritas	OV046	SW-20100614-OV-044	6/14/2010	23:52	28.751052	-88.316943	2			0		0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-001	6/15/2010	13:14	28.741417	-88.417597	1458			0		0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-002	6/15/2010	13:14	28.741417	-88.417597	1198			0		0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-003	6/15/2010	13:14	28.741417	-88.417597	1046			1	J	0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-004	6/15/2010	13:14	28.741417	-88.417597	1011			0		0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-005	6/15/2010	13:14	28.741417	-88.417597	988			0		0	
06-13-2010_Ocean Veritas	OV047	OV047061	6/15/2010	13:14	28.741417	-88.417597	400						
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-006	6/15/2010	13:14	28.741417	-88.417597	146			4	J	0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-007	6/15/2010	13:14	28.741417	-88.417597	3			1	J	0	
06-13-2010_Ocean Veritas	OV047	SW-20100615-OV-008	6/15/2010	12:55	28.741417	-88.417597	0			350		24	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-010	6/15/2010	16:15	28.732010	-88.376790	1517					0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-011	6/15/2010	16:15	28.732010	-88.376790	1398			0		0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-012	6/15/2010	16:15	28.732010	-88.376790	1198			0		0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-013	6/15/2010	16:15	28.732010	-88.376790	958			0		0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-014	6/15/2010	16:15	28.732010	-88.376790	400			0		0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-015	6/15/2010	16:15	28.732010	-88.376790	200			0		0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-016	6/15/2010	16:15	28.732010	-88.376790	50			0		1	J
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-017	6/15/2010	16:15	28.732010	-88.376790	3			1	J	0	
06-13-2010_Ocean Veritas	OV048	SW-20100615-OV-009	6/15/2010	15:50	28.732010	-88.376790	0			14		1	J
06-13-2010_Ocean Veritas	OV049	SW-20100615-OV-018	6/15/2010	18:28	28.780754	-88.387846	1299			0		1	J
06-13-2010_Ocean Veritas	OV049	SW-20100615-OV-019	6/15/2010	18:28	28.780754	-88.387846	1199			0		3	J
06-13-2010_Ocean Veritas	OV049	SW-20100615-OV-020	6/15/2010	18:28	28.780754	-88.387846	1034			23		7	J
06-13-2010_Ocean Veritas	OV049	SW-20100615-OV-021	6/15/2010	18:28	28.780754	-88.387846	500			0		2	J
06-13-2010_Ocean Veritas	OV049	SW-20100615-OV-022	6/15/2010	18:28	28.780754	-88.387846	3			0		4	J
06-13-2010_Ocean Veritas	OV049	SW-20100615-OV-023	6/15/2010	18:10	28.780754	-88.387846	0			22000		3	J
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-024	6/15/2010	20:19	28.780347	-88.347809	1299			8		0	
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-025	6/15/2010	20:19	28.780347	-88.347809	1159			4	J	55	
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-026	6/15/2010	20:19	28.780347	-88.347809	1103			0		35	J
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-027	6/15/2010	20:19	28.780347	-88.347809	959			1	J	0	
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-028	6/15/2010	20:19	28.780347	-88.347809	700			0		0	
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-029	6/15/2010	20:19	28.780347	-88.347809	230			0		6	J
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-030	6/15/2010	20:19	28.780347	-88.347809	50			0		1	J
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-031	6/15/2010	20:19	28.780347	-88.347809	2			2	J	1	J
06-13-2010_Ocean Veritas	OV050	SW-20100615-OV-032	6/15/2010	19:45	28.780347	-88.347809	0			53000		110	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-040	6/15/2010	22:09	28.754515	-88.357993	1298			0		0	
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-039	6/15/2010	22:09	28.754515	-88.357993	1169			0		14	
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-038	6/15/2010	22:09	28.754515	-88.357993	1079			1	J	640	
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-037	6/15/2010	22:09	28.754515	-88.357993	880			0		4	J
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-036	6/15/2010	22:09	28.754515	-88.357993	799			0		0	
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-035	6/15/2010	22:09	28.754515	-88.357993	399			0		2	J
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-034	6/15/2010	22:09	28.754515	-88.357993	50			0		2	J
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-033	6/15/2010	22:09	28.754515	-88.357993	4			3	J	4	J
06-13-2010_Ocean Veritas	OV051	SW-20100615-OV-041	6/15/2010	22:03	28.754515	-88.357993	0			260		0	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-001	6/16/2010	13:53	28.754902	-88.291345	1199			1	J	0	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-002	6/16/2010	13:53	28.754902	-88.291345	1139			0		79	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-003	6/16/2010	13:53	28.754902	-88.291345	1078			0		1	J
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-004	6/16/2010	13:53	28.754902	-88.291345	849			0		1	J
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-005	6/16/2010	13:53	28.754902	-88.291345	700			1	J	0	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-006	6/16/2010	13:53	28.754902	-88.291345	350			0		0	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-007	6/16/2010	13:53	28.754902	-88.291345	50			0		0	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-008	6/16/2010	13:53	28.754902	-88.291345	3			0		0	
06-13-2010_Ocean Veritas	OV052	SW-20100616-OV-009	6/16/2010	13:40	28.754902	-88.291345	0			1	J	0	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-010	6/16/2010	15:36	28.779023	-88.305090	1199			0		0	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-011	6/16/2010	15:36	28.779023	-88.305090	1139			0		107	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-012	6/16/2010	15:36	28.779023	-88.305090	1099					10	J
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-013	6/16/2010	15:36	28.779023	-88.305090	949			0		60	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-014	6/16/2010	15:36	28.779023	-88.305090	550			0		0	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-015	6/16/2010	15:36	28.779023	-88.305090	199			0		0	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-016	6/16/2010	15:36	28.779023	-88.305090	50			0		0	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-017	6/16/2010	15:36	28.779023	-88.305090	2			0		0	
06-13-2010_Ocean Veritas	OV053	SW-20100616-OV-018	6/16/2010	15:25	28.779023	-88.305090	0			1200		1	J
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-019	6/16/2010	17:23	28.798055	-88.330431	1206			4	J	0	
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-020	6/16/2010	17:23	28.798055	-88.330431	1074			0		75	
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-021	6/16/2010	17:23	28.798055	-88.330431	899			1	J	0	
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-022	6/16/2010	17:23	28.798055	-88.330431	701			1	J	10	J
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-023	6/16/2010	17:23	28.798055	-88.330431	474			1	J	0	
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-024	6/16/2010	17:23	28.798055	-88.330431	239			1	J	11	
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-025	6/16/2010	17:23	28.798055	-88.330431	50			1	J	7	J
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-026	6/16/2010	17:23	28.798055	-88.330431	3			1	J	9	J
06-13-2010_Ocean Veritas	OV054	SW-20100616-OV-027	6/16/2010	17:20	28.798055	-88.330431	0			63		11	
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-028	6/16/2010	19:10	28.806069	-88.365333	1159			0		11	
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-029	6/16/2010	19:10	28.806069	-88.365333	1099			3	J	170	
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-030	6/16/2010	19:10	28.806069	-88.365333	1049			1	J	19	
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-031	6/16/2010	19:10	28.806069	-88.365333	926			3	J	1	J
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-032	6/16/2010	19:10	28.806069	-88.365333	400			1	J	6	J
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-033	6/16/2010	19:10	28.806069	-88.365333	200			0		0	
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-034	6/16/2010	19:10	28.806069	-88.365333	50			2	J	1	J
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-035	6/16/2010	19:10	28.806069	-88.365333	3			3	J	13	
06-13-2010_Ocean Veritas	OV055	SW-20100616-OV-036	6/16/2010	19:00	28.806069	-88.365333	0			18		0	
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-001	6/22/2010	21:59	28.754515	-88.357993	1311			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-002	6/22/2010	21:59	28.754515	-88.357993	1240			0		0	
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-003	6/22/2010	21:59	28.754515	-88.357993	1150			0		0	
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-004	6/22/2010	21:59	28.754515	-88.357993	974			0		0	
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-005	6/22/2010	21:59	28.754515	-88.357993	501			0		0	
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-006	6/22/2010	21:59	28.754515	-88.357993	200			0		0	
06-19-2010_Ocean Veritas	OV062	OV062072	6/22/2010	21:59	28.754515	-88.357993	50						
06-19-2010_Ocean Veritas	OV062	OV062081	6/22/2010	21:59	28.754515	-88.357993	3						
06-19-2010_Ocean Veritas	OV062	SW-20100622-OV-009	6/22/2010	21:35	28.754515	-88.357993	0			290		0	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-001	6/26/2010	14:35	28.726027	-88.380862	1350			0			
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-002	6/26/2010	14:35	28.726027	-88.380862	1150			17		330	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-003	6/26/2010	14:35	28.726027	-88.380862	1124			26		490	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-004	6/26/2010	14:35	28.726027	-88.380862	1000			3	J	0	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-005	6/26/2010	14:35	28.726027	-88.380862	601			2	J	0	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-006	6/26/2010	14:35	28.726027	-88.380862	200			4	J	0	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-007	6/26/2010	14:35	28.726027	-88.380862	50			6		0	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-008	6/26/2010	14:35	28.726027	-88.380862	3			10		0	
06-26-2010_Ocean Veritas	OV063	SW-20100626-OV-009	6/26/2010	14:35	28.726027	-88.380862	1			17		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-010	6/26/2010	16:20	28.720631	-88.380568	1401			9		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-011	6/26/2010	16:20	28.720631	-88.380568	1231			0		8	J
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-012	6/26/2010	16:20	28.720631	-88.380568	1124			0		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-013	6/26/2010	16:20	28.720631	-88.380568	801			0		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-014	6/26/2010	16:20	28.720631	-88.380568	601			0		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-015	6/26/2010	16:20	28.720631	-88.380568	200			0		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-016	6/26/2010	16:20	28.720631	-88.380568	50			0		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-017	6/26/2010	16:20	28.720631	-88.380568	3			0		0	
06-26-2010_Ocean Veritas	OV064	SW-20100626-OV-018	6/26/2010	16:20	28.720631	-88.380568	1			7		0	
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-019	6/26/2010	18:59	28.738276	-88.386492	1400			2	J	1	J
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-020	6/26/2010	18:59	28.738276	-88.386492	1262			0		50	
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-021	6/26/2010	18:59	28.738276	-88.386492	1000			2	J	0	
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-022	6/26/2010	18:59	28.738276	-88.386492	801			4	J	1	J
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-023	6/26/2010	18:59	28.738276	-88.386492	600			0		3	J
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-024	6/26/2010	18:59	28.738276	-88.386492	301			3	J	1	J
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-025	6/26/2010	18:59	28.738276	-88.386492	50			0		0	
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-026	6/26/2010	18:59	28.738276	-88.386492	4			3	J	1	J
06-26-2010_Ocean Veritas	OV065	SW-20100626-OV-027	6/26/2010	18:59	28.738276	-88.386492	1			0		1	J
06-26-2010_Ocean Veritas	OV065	OL-20100626-OV-027	6/26/2010	18:59	28.738276	-88.386492	1			1	J	0	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-028	6/26/2010	20:59	28.707779	-88.403271	1301			0		0	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-029	6/26/2010	20:59	28.707779	-88.403271	1176			3	J	160	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-030	6/26/2010	20:59	28.707779	-88.403271	1125			0		0	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-031	6/26/2010	20:59	28.707779	-88.403271	1092			1	J	37	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-032	6/26/2010	20:59	28.707779	-88.403271	960			5	J	0	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-033	6/26/2010	20:59	28.707779	-88.403271	401			0		0	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-034	6/26/2010	20:59	28.707779	-88.403271	50			1	J	0	
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-035	6/26/2010	20:59	28.707779	-88.403271	3			5	J	5	J
06-26-2010_Ocean Veritas	OV066	SW-20100626-OV-036	6/26/2010	20:59	28.707779	-88.403271	1			8		3	J
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-037	6/26/2010	22:54	28.695697	-88.419291	1401			6		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-038	6/26/2010	22:54	28.695697	-88.419291	1201			0		0	
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-039	6/26/2010	22:54	28.695697	-88.419291	1150			2	J	190	
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-040	6/26/2010	22:54	28.695697	-88.419291	799			5	J	0	
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-041	6/26/2010	22:54	28.695697	-88.419291	400			3	J	8	J
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-042	6/26/2010	22:54	28.695697	-88.419291	200			5	J	7	J
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-043	6/26/2010	22:54	28.695697	-88.419291	51			1	J	0	
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-044	6/26/2010	22:54	28.695697	-88.419291	3			0		11	
06-26-2010_Ocean Veritas	OV067	SW-20100626-OV-045	6/26/2010	22:54	28.695697	-88.419291	1			6		11	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-001	6/27/2010	12:47	28.701708	-88.395779	1402			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-002	6/27/2010	12:47	28.701708	-88.395779	1191			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-003	6/27/2010	12:47	28.701708	-88.395779	1001			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-004	6/27/2010	12:47	28.701708	-88.395779	800			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-005	6/27/2010	12:47	28.701708	-88.395779	600			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-006	6/27/2010	12:47	28.701708	-88.395779	299			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-007	6/27/2010	12:47	28.701708	-88.395779	47			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-008	6/27/2010	12:47	28.701708	-88.395779	3			0		0	
06-26-2010_Ocean Veritas	OV068	SW-20100627-OV-009	6/27/2010	12:47	28.701708	-88.395779	1			0		0	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-010	6/27/2010	15:30	28.730275	-88.416872	1350			0		0	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-011	6/27/2010	15:30	28.730275	-88.416872	1200			0		120	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-012	6/27/2010	15:30	28.730275	-88.416872	1101			4	J	420	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-013	6/27/2010	15:30	28.730275	-88.416872	801			1	J	0	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-014	6/27/2010	15:30	28.730275	-88.416872	501			1	J	0	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-015	6/27/2010	15:30	28.730275	-88.416872	301			1	J	1	J
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-016	6/27/2010	15:30	28.730275	-88.416872	51			0		2	J
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-017	6/27/2010	15:30	28.730275	-88.416872	4			0		0	
06-26-2010_Ocean Veritas	OV069	SW-20100627-OV-018	6/27/2010	15:30	28.730275	-88.416872	1			17		10	J
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-019	6/27/2010	20:01	28.716192	-88.410757	1400			0		0	
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-020	6/27/2010	20:01	28.716192	-88.410757	1201			0		15	J
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-021	6/27/2010	20:01	28.716192	-88.410757	960			0		9	J
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-022	6/27/2010	20:01	28.716192	-88.410757	701			0		0	
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-023	6/27/2010	20:01	28.716192	-88.410757	401			0		1	J
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-024	6/27/2010	20:01	28.716192	-88.410757	201			0		7	J
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-025	6/27/2010	20:01	28.716192	-88.410757	50			0		0	
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-026	6/27/2010	20:01	28.716192	-88.410757	2			0		0	
06-26-2010_Ocean Veritas	OV071	SW-20100627-OV-027	6/27/2010	20:01	28.716192	-88.410757	1			11		12	
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-028	6/27/2010	22:17	28.705997	-88.413788	1400			0		15	
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-029	6/27/2010	22:17	28.705997	-88.413788	1201			0		9	J
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-030	6/27/2010	22:17	28.705997	-88.413788	970			0		0	
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-031	6/27/2010	22:17	28.705997	-88.413788	700			0		0	
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-032	6/27/2010	22:17	28.705997	-88.413788	451			1	J	0	
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-033	6/27/2010	22:17	28.705997	-88.413788	200			0		1	J
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-034	6/27/2010	22:17	28.705997	-88.413788	50			0		1	J
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-035	6/27/2010	22:17	28.705997	-88.413788	4			0		0	
06-26-2010_Ocean Veritas	OV072	SW-20100627-OV-036	6/27/2010	22:17	28.705997	-88.413788	1			0		0	
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-001	6/28/2010	16:58	28.726027	-88.380862	1399			0		0	
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-002	6/28/2010	16:58	28.726027	-88.380862	1190			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-003	6/28/2010	16:58	28.726027	-88.380862	899			0		0	
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-004	6/28/2010	16:58	28.726027	-88.380862	701			0		0	
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-005	6/28/2010	16:58	28.726027	-88.380862	476			0		1	J
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-006	6/28/2010	16:58	28.726027	-88.380862	200			0		0	
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-007	6/28/2010	16:58	28.726027	-88.380862	50			0		0	
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-008	6/28/2010	16:58	28.726027	-88.380862	4			0		1	J
06-26-2010_Ocean Veritas	OV073	SW-20100628-OV-009	6/28/2010	16:58	28.726027	-88.380862	1			1	J	5	J
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-010	6/28/2010	19:02	28.720215	-88.367083	1402			0		3	J
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-011	6/28/2010	19:02	28.720215	-88.367083	1200			0		1	J
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-012	6/28/2010	19:02	28.720215	-88.367083	1001			0		0	
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-013	6/28/2010	19:02	28.720215	-88.367083	800			0		1	J
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-014	6/28/2010	19:02	28.720215	-88.367083	451			20		2	J
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-015	6/28/2010	19:02	28.720215	-88.367083	249						
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-016	6/28/2010	19:02	28.720215	-88.367083	51			0		0	
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-017	6/28/2010	19:02	28.720215	-88.367083	3			0		1	J
06-26-2010_Ocean Veritas	OV074	SW-20100628-OV-018	6/28/2010	19:02	28.720215	-88.367083	1			0		0	
06-26-2010_Ocean Veritas	OV075	SW-20100628-OV-027	6/28/2010	22:24	28.732011	-88.376788	1			1	J	0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07601	7/2/2010	12:33	28.732011	-88.376788	1398			1	J	0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07602	7/2/2010	12:37	28.732011	-88.376788	1199			2	J	0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07603	7/2/2010	12:42	28.732011	-88.376788	999			1	J	0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07604	7/2/2010	12:46	28.732011	-88.376788	799			2	J	0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07605	7/2/2010	12:53	28.732011	-88.376788	400						
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07606	7/2/2010	12:58	28.732011	-88.376788	202			0		0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07607	7/2/2010	13:02	28.732011	-88.376788	51			1	J	0	
06-29-2010_Ocean Veritas	OV076	SW-20100702-OV07608	7/2/2010	13:04	28.732011	-88.376788	4			1	J	0	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07709	7/2/2010	14:48	28.738276	-88.386492	1396			0		0	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07710	7/2/2010	14:52	28.738276	-88.386492	1199			13		960	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07711	7/2/2010	14:54	28.738276	-88.386492	1148			12		1300	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07712	7/2/2010	14:57	28.738276	-88.386492	1059			0		0	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07713	7/2/2010	15:02	28.738276	-88.386492	799			0		1	J
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07714	7/2/2010	15:09	28.738276	-88.386492	451			0		0	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07715	7/2/2010	15:17	28.738276	-88.386492	49			2	J	0	
06-29-2010_Ocean Veritas	OV077	SW-20100702-OV07716	7/2/2010	15:18	28.738276	-88.386492	4			1	J	0	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07817	7/2/2010	16:39	28.751320	-88.379964	1399			0		0	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07818	7/2/2010	16:43	28.751320	-88.379964	1214			1	J	160	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07819	7/2/2010	16:45	28.751320	-88.379964	1158			0		200	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07820	7/2/2010	16:50	28.751320	-88.379964	900			0		0	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07821	7/2/2010	16:53	28.751320	-88.379964	754			0		0	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07822	7/2/2010	16:59	28.751320	-88.379964	450			0		0	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07823	7/2/2010	17:07	28.751320	-88.379964	50			0		0	
06-29-2010_Ocean Veritas	OV078	SW-20100702-OV07824	7/2/2010	17:09	28.751320	-88.379964	3			0		0	
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07926	7/2/2010	18:52	28.738277	-88.396630	1399			0		0	
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07927	7/2/2010	18:56	28.738277	-88.396630	1190			11		550	
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07928	7/2/2010	18:58	28.738277	-88.396630	1160			1	J	250	
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07929	7/2/2010	19:02	28.738277	-88.396630	1088			0		0	
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07930	7/2/2010	19:04	28.738277	-88.396630	800						

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07931	7/2/2010	19:14	28.738277	-88.396630	400						
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07932	7/2/2010	19:24	28.738277	-88.396630	49			4	J	0	
06-29-2010_Ocean Veritas	OV079	SW-20100702-OV07933	7/2/2010	19:26	28.738277	-88.396630	4			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08034	7/2/2010	20:48	28.739294	-88.416913	1399			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08035	7/2/2010	20:51	28.739294	-88.416913	1263			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08036	7/2/2010	20:53	28.739294	-88.416913	1203			1	J	320	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08037	7/2/2010	20:57	28.739294	-88.416913	999			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08038	7/2/2010	21:03	28.739294	-88.416913	700			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08039	7/2/2010	21:08	28.739294	-88.416913	399			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08040	7/2/2010	21:15	28.739294	-88.416913	49			0		0	
06-29-2010_Ocean Veritas	OV080	SW-20100702-OV08041	7/2/2010	21:18	28.739294	-88.416913	3			0		0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08142	7/2/2010	22:44	28.739824	-88.437527	1298			0		0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08143	7/2/2010	22:46	28.739824	-88.437527	1249			1	J	0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08144	7/2/2010	22:48	28.739824	-88.437527	1198			0		0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08145	7/2/2010	22:52	28.739824	-88.437527	998			0		0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08146	7/2/2010	22:56	28.739824	-88.437527	799			5	J	16	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08147	7/2/2010	23:03	28.739824	-88.437527	400			0		0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08148	7/2/2010	23:09	28.739824	-88.437527	50			4	J	0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08149	7/2/2010	23:11	28.739824	-88.437527	3			2	J	0	
06-29-2010_Ocean Veritas	OV081	SW-20100702-OV08150	7/2/2010	23:12	28.739824	-88.437527	1			7		4	J
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-001	7/3/2010	12:30	28.748448	-88.416649	1302			2	J	0	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-002	7/3/2010	12:33	28.748448	-88.416649	1225			1	J	15	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-003	7/3/2010	12:35	28.748448	-88.416649	1188			4	J	350	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-004	7/3/2010	12:38	28.748448	-88.416649	1101			3	J	0	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-005	7/3/2010	13:44	28.748448	-88.416649	799			0		0	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-006	7/3/2010	12:52	28.748448	-88.416649	397			0		0	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-007	7/3/2010	12:58	28.748448	-88.416649	50			7		0	
06-29-2010_Ocean Veritas	OV082	SW-20100703-OV07-008	7/3/2010	13:01	28.748448	-88.416649	3			5	J	0	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-009	7/3/2010	14:22	28.757492	-88.416387	1301			3	J	0	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-010	7/3/2010	14:25	28.757492	-88.416387	1202			6		510	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-011	7/3/2010	14:27	28.757492	-88.416387	1180			15		540	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-012	7/3/2010	14:29	28.757492	-88.416387	1100			8		0	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-013	7/3/2010	14:35	28.757492	-88.416387	799			5	J	0	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-014	7/3/2010	14:44	28.757492	-88.416387	398			4	J	0	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-015	7/3/2010	14:51	28.757492	-88.416387	51			0		0	
06-29-2010_Ocean Veritas	OV083	SW-20100703-OV07-016	7/3/2010	14:53	28.757492	-88.416387	4			3	J	0	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-017	7/3/2010	16:41	28.777792	-88.407763	1274			0		0	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-018	7/3/2010	16:44	28.777792	-88.407763	1168			0		110	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-019	7/3/2010	16:45	28.777792	-88.407763	1145			8		48	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-020	7/3/2010	16:50	28.777792	-88.407763	900			0		0	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-021	7/3/2010	16:55	28.777792	-88.407763	699			0		0	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-022	7/3/2010	17:01	28.777792	-88.407763	398			6		0	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-023	7/3/2010	17:07	28.777792	-88.407763	50			0		0	
06-29-2010_Ocean Veritas	OV084	SW-20100703-OV07-024	7/3/2010	17:11	28.777792	-88.407763	5			0		0	
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-001	7/4/2010	12:54	28.786948	-88.407640	1277			0		0	
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-002	7/4/2010	12:58	28.786948	-88.407640	1172			1	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-003	7/4/2010	13:00	28.786948	-88.407640	1132			1	J	86	
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-004	7/4/2010	13:05	28.786948	-88.407640	901			1	J	0	
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-005	7/4/2010	13:09	28.786948	-88.407640	701			1	J	5	J
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-006	7/4/2010	13:15	28.786948	-88.407640	400			1	J	0	
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-007	7/4/2010	13:22	28.786948	-88.407640	51			1	J	0	
06-29-2010_Ocean Veritas	OV085	SW-20100704-OV07-008	7/4/2010	13:24	28.786948	-88.407640	5			4	J	0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-009	7/4/2010	15:09	28.787752	-88.438242	1223			1	J	0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-010	7/4/2010	15:11	28.787752	-88.438242	1151			0		0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-011	7/4/2010	15:12	28.787752	-88.438242	1129			0		0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-012	7/4/2010	15:16	28.787752	-88.438242	903			1	J	0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-013	7/4/2010	15:21	28.787752	-88.438242	702			0		0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-014	7/4/2010	15:26	28.787752	-88.438242	398			0		0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-015	7/4/2010	15:32	28.787752	-88.438242	50			1	J	0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-016	7/4/2010	15:34	28.787752	-88.438242	6			19		0	
06-29-2010_Ocean Veritas	OV086	SW-20100704-OV07-017	7/4/2010	15:35	28.787752	-88.438242	1			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-018	7/4/2010	17:01	28.769946	-88.438824	1302			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-019	7/4/2010	17:03	28.769946	-88.438824	1237			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-020	7/4/2010	17:05	28.769946	-88.438824	1179			0		16	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-021	7/4/2010	17:07	28.769946	-88.438824	1101			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-022	7/4/2010	17:11	28.769946	-88.438824	899			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-023	7/4/2010	17:20	28.769946	-88.438824	399			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-024	7/4/2010	17:26	28.769946	-88.438824	49			0		0	
06-29-2010_Ocean Veritas	OV087	SW-20100704-OV07-025	7/4/2010	17:28	28.769946	-88.438824	7			0		0	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-026	7/4/2010	18:54	28.757492	-88.416387	1300			0		0	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-027	7/4/2010	18:56	28.757492	-88.416387	1201			0		12	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-028	7/4/2010	18:58	28.757492	-88.416387	1175			0		56	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-029	7/4/2010	19:00	28.757492	-88.416387	1101			0		0	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-030	7/4/2010	19:06	28.757492	-88.416387	798			0		0	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-031	7/4/2010	19:13	28.757492	-88.416387	399			0		0	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-032	7/4/2010	19:19	28.757492	-88.416387	49			0		0	
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-033	7/4/2010	19:21	28.757492	-88.416387	4			0		0	
06-29-2010_Ocean Veritas	OV088	OV08899-01	7/4/2010	19:23	28.757492	-88.416387	1						
06-29-2010_Ocean Veritas	OV088	SW-20100704-OV07-34EB	7/4/2010	19:45	28.757492	-88.416387				0		0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-35	7/4/2010	21:01	28.721636	-88.417376	1401			6		0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-36	7/4/2010	21:03	28.721636	-88.417376	1300			1	J	0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-37	7/4/2010	21:06	28.721636	-88.417376	1185			1	J	0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-38	7/4/2010	21:13	28.721636	-88.417376	900			9		0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-39	7/4/2010	21:17	28.721636	-88.417376	699			0		0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-40	7/4/2010	21:22	28.721636	-88.417376	400			0		0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-41	7/4/2010	21:29	28.721636	-88.417376	50			2	J	0	
06-29-2010_Ocean Veritas	OV089	SW-20100704-OV07-42	7/4/2010	21:31	28.721636	-88.417376	7			0		0	
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-43	7/4/2010	23:40	28.774371	-88.462373	1302			0		0	
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-44	7/4/2010	23:43	28.774371	-88.462373	1201			0		0	
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-45	7/4/2010	23:46	28.774371	-88.462373	1101			0		0	
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-46	7/4/2010	23:50	28.774371	-88.462373	898			10		0	
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-47	7/4/2010	23:54	28.774371	-88.462373	700			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-48	7/4/2010	0:00	28.774371	-88.462373	400						
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-49	7/4/2010	0:07	28.774371	-88.462373	52						
06-29-2010_Ocean Veritas	OV090	SW-20100704-OV07-50	7/4/2010	0:08	28.774371	-88.462373	3						
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-001	7/8/2010	15:17	28.751768	-88.365511	1400			0		0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-002	7/8/2010	15:22	28.751768	-88.365511	1200			1	J	0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-003	7/8/2010	15:29	28.751768	-88.365511	850			2	J	0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-004	7/8/2010	15:33	28.751768	-88.365511	685			0		0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-005	7/8/2010	15:37	28.751768	-88.365511	500			0		0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-006	7/8/2010	15:43	28.751768	-88.365511	200			1	J	0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-007	7/8/2010	15:46	28.751768	-88.365511	50			1	J	0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-008	7/8/2010	15:48	28.751768	-88.365511	3			5	J	0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-009	7/8/2010	15:50	28.751768	-88.365511	1			24		0	
07-07-2010_Ocean Veritas	OV091	SW-20100708-OV08-010	7/8/2010	17:37	28.751768	-88.365511				0		0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-011	7/8/2010	17:41	28.744873	-88.373085	1400			0		0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-012	7/8/2010	17:42	28.744873	-88.373085	1200			2	J	0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-013	7/8/2010	17:46	28.744873	-88.373085	1045			2	J	0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-014	7/8/2010	17:47	28.744873	-88.373085	1025			1	J	0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-017	7/8/2010	17:53	28.744873	-88.373085	735			6		0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-018	7/8/2010	17:58	28.744873	-88.373085	500			1	J	0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-019	7/8/2010	18:06	28.744873	-88.373085	50			1	J	0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-020	7/8/2010	18:08	28.744873	-88.373085	3			1	J	0	
07-07-2010_Ocean Veritas	OV092	SW-20100708-OV08-021	7/8/2010	18:10	28.744873	-88.373085	1			11		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-022	7/8/2010	19:44	28.738276	-88.386493	1475			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-023	7/8/2010	19:49	28.738276	-88.386493	1200			0		160	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-024	7/8/2010	19:52	28.738276	-88.386493	1060			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-025	7/8/2010	19:54	28.738276	-88.386493	1000			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-026	7/8/2010	19:54	28.738276	-88.386493	1000			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-027	7/8/2010	20:02	28.738276	-88.386493	500			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-028	7/8/2010	20:04	28.738276	-88.386493	375			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-029	7/8/2010	20:10	28.738276	-88.386493	50			0		0	
07-07-2010_Ocean Veritas	OV093	SW-20100708-OV08-030	7/8/2010	20:12	28.738276	-88.386493	3			3	J	0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-032	7/8/2010	21:56	28.730040	-88.377441	1535			0		0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-033	7/8/2010	22:01	28.730040	-88.377441	1300			0		0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-034	7/8/2010	22:04	28.730040	-88.377441	1170			1	J	350	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-035	7/8/2010	22:10	28.730040	-88.377441	800			0		0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-036	7/8/2010	22:16	28.730040	-88.377441	500			0		0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-037	7/8/2010	22:22	28.730040	-88.377441	200			0		0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-038	7/8/2010	22:26	28.730040	-88.377441	50			0		0	
07-07-2010_Ocean Veritas	OV094	SW-20100708-OV08-039	7/8/2010	22:27	28.730040	-88.377441	3			0		0	
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-001	7/8/2010	0:07	28.724765	-88.366360	1556			1	J	0	
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-002	7/8/2010	0:14	28.724765	-88.366360	1150			0		0	
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-003	7/8/2010	0:14	28.724765	-88.366360	1150			1	J	0	
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-004	7/8/2010	0:21	28.724765	-88.366360	800			0		0	
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-005	7/8/2010	0:25	28.724765	-88.366360	560			0		6	J
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-006	7/8/2010	0:27	28.724765	-88.366360	520			0		1	J
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-007	7/8/2010	0:30	28.724765	-88.366360	400			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-010	7/8/2010	0:36	28.724765	-88.366360	50			2	J	0	
07-07-2010_Ocean Veritas	OV095	SW-20100709-OV08-011	7/8/2010	0:38	28.724765	-88.366360	3			1	J	0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-12	7/9/2010	12:27	28.693076	-88.368057	1595			0		0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-20	7/9/2010	14:52	28.693076	-88.368057	1545			0		0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-13	7/9/2010	12:35	28.693076	-88.368057	1200			0		0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-14	7/9/2010	12:40	28.693076	-88.368057	1000			1	J	0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-15	7/9/2010	12:44	28.693076	-88.368057	800			0		0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-16	7/9/2010	12:51	28.693076	-88.368057	450			0		0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-17	7/9/2010	12:52	28.693076	-88.368057	375			0		0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-18	7/9/2010	12:59	28.693076	-88.368057	50			1	J	0	
07-07-2010_Ocean Veritas	OV096	SW-20100709-OV08-19	7/9/2010	13:01	28.693076	-88.368057	3			0		0	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-23	7/9/2010	14:58	28.707723	-88.403559	1210			2	J	190	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-24	7/9/2010	15:00	28.707723	-88.403559	1190			2	J	120	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-25	7/9/2010	15:01	28.707723	-88.403559	1175			7		380	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-26	7/9/2010	15:02	28.707723	-88.403559	1100			0		0	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-27	7/9/2010	15:14	28.707723	-88.403559	450			0		0	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-28	7/9/2010	15:21	28.707723	-88.403559	50			0		0	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-29	7/9/2010	15:23	28.707723	-88.403559	3			0		0	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-31	7/9/2010	15:43	28.707723	-88.403559	3			1	J	0	
07-07-2010_Ocean Veritas	OV097	SW-20100709-OV08-30	7/9/2010	15:23	28.707723	-88.403559	3			0		0	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-33	7/9/2010	17:06	28.695553	-88.419376	1250			0		59	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-34	7/9/2010	17:08	28.695553	-88.419376	1200			4	J	310	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-35	7/9/2010	17:09	28.695553	-88.419376	1175			3	J	210	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-36	7/9/2010	17:10	28.695553	-88.419376	1100			3	J	0	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-37	7/9/2010	17:21	28.695553	-88.419376	450			1	J	0	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-38	7/9/2010	17:28	28.695553	-88.419376	50			0		0	
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-39	7/9/2010	17:30	28.695553	-88.419376	3			0		6	J
07-07-2010_Ocean Veritas	OV098	SW-20100709-OV08-32	7/9/2010		28.695553	-88.419376				1	J	0	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-40	7/9/2010	19:47	28.686359	-88.4407	1328			1	J	0	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-41	7/9/2010	19:50	28.686359	-88.4407	1240			0		0	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-44	7/9/2010	19:52	28.686359	-88.4407	1225			1	J	110	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-45	7/9/2010	19:52	28.686359	-88.4407	1200			1	J	88	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-46	7/9/2010	19:53	28.686359	-88.4407	1195			1	J	140	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-47	7/9/2010	20:05	28.686359	-88.4407	500			0		0	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-48	7/9/2010	20:13	28.686359	-88.4407	50			0		0	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-49	7/9/2010	20:13	28.686359	-88.4407	50			0		0	
07-07-2010_Ocean Veritas	OV099	SW-20100709-OV08-50	7/9/2010	20:14	28.686359	-88.4407	3			0		0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-51	7/9/2010	22:44	28.689102	-88.400276	1530			0		0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-52	7/9/2010	22:48	28.689102	-88.400276	1300			0		0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-53	7/9/2010	22:52	28.689102	-88.400276	1150			0		0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-54	7/9/2010	22:54	28.689102	-88.400276	1125			3	J	150	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-55	7/9/2010	23:02	28.689102	-88.400276	600			0		0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-56	7/9/2010	23:09	28.689102	-88.400276	450			0		0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-57	7/9/2010	23:17	28.689102	-88.400276	50			1	J	0	
07-07-2010_Ocean Veritas	OV100	SW-20100709-OV08-58	7/9/2010	23:20	28.689102	-88.400276	3			1	J	0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-01	7/10/2010	13:21	28.716923	-88.422624	1504			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-02	7/10/2010	13:24	28.716923	-88.422624	1425			0		0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-03	7/10/2010	13:24	28.716923	-88.422624	1425			0		0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-05	7/10/2010	13:25	28.716923	-88.422624	1410						
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-06	7/10/2010	13:26	28.716923	-88.422624	1400			0		0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-07	7/10/2010	14:19	28.716923	-88.422624	1400			0		0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-08	7/10/2010	13:41	28.716923	-88.422624	600			1	J	0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-09	7/10/2010	13:51	28.716923	-88.422624	200			0		0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-011	7/10/2010	13:54	28.716923	-88.422624	50			0		0	
07-07-2010_Ocean Veritas	OV101	SW-20100710-OV08-012	7/10/2010	13:57	28.716923	-88.422624	3			0		0	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-013	7/10/2010	15:45	28.716676	-88.392402	1555			0		0	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-014	7/10/2010	15:52	28.716676	-88.392402	1225			0		0	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-016	7/10/2010	15:56	28.716676	-88.392402	1210						
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-015	7/10/2010	15:54	28.716676	-88.392402	1200			2	J	250	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-017	7/10/2010	15:57	28.716676	-88.392402	1175			1	J	98	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-018	7/10/2010	16:10	28.716676	-88.392402	450			0		0	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-019	7/10/2010	16:17	28.716676	-88.392402	50			0		0	
07-07-2010_Ocean Veritas	OV102	SW-20100710-OV08-020	7/10/2010	16:19	28.716676	-88.392402	3			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-021	7/10/2010	18:26	28.705872	-88.438227	1364			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-022	7/10/2010	18:29	28.705872	-88.438227	1325			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-023	7/10/2010	18:30	28.705872	-88.438227	1310			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-024	7/10/2010	18:32	28.705872	-88.438227	1300			1	J	0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-025	7/10/2010	18:42	28.705872	-88.438227	800			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-026	7/10/2010	18:42	28.705872	-88.438227	800			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-027	7/10/2010	18:49	28.705872	-88.438227	450			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-028	7/10/2010	18:57	28.705872	-88.438227	50			0		0	
07-07-2010_Ocean Veritas	OV103	SW-20100710-OV08-029	7/10/2010	18:59	28.705872	-88.438227	3			0		0	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-032	7/10/2010	20:46	28.678488	-88.464278	1369			0		0	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-033	7/10/2010	20:51	28.678488	-88.464278	1225			0		31	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-034	7/10/2010	20:52	28.678488	-88.464278	1200			0		110	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-035	7/10/2010	20:53	28.678488	-88.464278	1190			0		74	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-036	7/10/2010	21:01	28.678488	-88.464278	800			2	J	0	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-037	7/10/2010	21:07	28.678488	-88.464278	500			1	J	0	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-038	7/10/2010	21:15	28.678488	-88.464278	50			2	J	0	
07-07-2010_Ocean Veritas	OV104	SW-20100710-OV08-039	7/10/2010	21:18	28.678488	-88.464278	3			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-001	7/10/2010	0:01	28.757061	-88.398296	1379			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-002	7/10/2010	0:05	28.757061	-88.398296	1200			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-003	7/10/2010	0:08	28.757061	-88.398296	1100			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-004	7/10/2010	0:15	28.757061	-88.398296	800			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-007	7/10/2010	0:20	28.757061	-88.398296	800			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-008	7/10/2010	0:23	28.757061	-88.398296	450			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-009	7/10/2010	0:30	28.757061	-88.398296	50			4	J	0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-010	7/10/2010	0:30	28.757061	-88.398296	50			0		0	
07-07-2010_Ocean Veritas	OV105	SW-20100711-OV08-011	7/10/2010	0:32	28.757061	-88.398296	3			4	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-19-2010_Brooks McCall	B29	B29L-WA01	5/19/2010	7:06	28.686927	-88.423675	1327	0.5					
05-19-2010_Brooks McCall	B29	B29L-WA02	5/19/2010	7:06	28.686927	-88.423675	1327					0	
05-19-2010_Brooks McCall	B29	B29K-WA01	5/19/2010	7:12	28.686927	-88.423675	1299	0.5					
05-19-2010_Brooks McCall	B29	B29K-WA02	5/19/2010	7:12	28.686927	-88.423675	1299					0	
05-19-2010_Brooks McCall	B29	B29J-WA01	5/19/2010	7:15	28.686927	-88.423675	1099	0.5					
05-19-2010_Brooks McCall	B29	B29J-WA02	5/19/2010	7:15	28.686927	-88.423675	1099					0	
05-19-2010_Brooks McCall	B29	B29I-WA01	5/19/2010	7:17	28.686927	-88.423675	999	0.5					
05-19-2010_Brooks McCall	B29	B29I-WA02	5/19/2010	7:17	28.686927	-88.423675	999					0	
05-19-2010_Brooks McCall	B29	B29H-WA01	5/19/2010	7:22	28.686927	-88.423675	799	0.5					
05-19-2010_Brooks McCall	B29	B29H-WA02	5/19/2010	7:22	28.686927	-88.423675	799					0	
05-19-2010_Brooks McCall	B29	B29G-WA01	5/19/2010	7:25	28.686927	-88.423675	649	0.5					
05-19-2010_Brooks McCall	B29	B29G-WA02	5/19/2010	7:25	28.686927	-88.423675	649					0	
05-19-2010_Brooks McCall	B29	B29F-WA01	5/19/2010	7:29	28.686927	-88.423675	499	0.5					
05-19-2010_Brooks McCall	B29	B29F-WA02	5/19/2010	7:29	28.686927	-88.423675	499					1	J
05-19-2010_Brooks McCall	B29	B29E-WA01	5/19/2010	7:36	28.686927	-88.423675	199	0.5					
05-19-2010_Brooks McCall	B29	B29E-WA02	5/19/2010	7:36	28.686927	-88.423675	199					0	
05-19-2010_Brooks McCall	B29	B29D-WA01	5/19/2010	7:39	28.686927	-88.423675	99	0.5					
05-19-2010_Brooks McCall	B29	B29D-WA02	5/19/2010	7:39	28.686927	-88.423675	99					0	
05-19-2010_Brooks McCall	B29	B29C-WA01	5/19/2010	7:40	28.686927	-88.423675	49	0.5					
05-19-2010_Brooks McCall	B29	B29C-WA02	5/19/2010	7:40	28.686927	-88.423675	49					0	
05-19-2010_Brooks McCall	B29	B29B-WA01	5/19/2010	7:41	28.686927	-88.423675	2	0.5					
05-19-2010_Brooks McCall	B29	B29B-WA02	5/19/2010	7:41	28.686927	-88.423675	2					0	
05-19-2010_Brooks McCall	B30	B30L-WA01	5/19/2010	10:00	28.661077	-88.452337	1328	0.5					
05-19-2010_Brooks McCall	B30	B30L-WA02	5/19/2010	10:00	28.661077	-88.452337	1328					0	
05-19-2010_Brooks McCall	B30	B30K-WA01	5/19/2010	10:03	28.661077	-88.452337	1312	0.5					
05-19-2010_Brooks McCall	B30	B30K-WA02	5/19/2010	10:03	28.661077	-88.452337	1312					3	J
05-19-2010_Brooks McCall	B30	B30J-WA01	5/19/2010	10:06	28.661077	-88.452337	1211	0.5					
05-19-2010_Brooks McCall	B30	B30J-WA02	5/19/2010	10:06	28.661077	-88.452337	1211					0	
05-19-2010_Brooks McCall	B30	B30I-WA01	5/19/2010	10:11	28.661077	-88.452337	999	0.5					
05-19-2010_Brooks McCall	B30	B30I-WA02	5/19/2010	10:11	28.661077	-88.452337	999					0	
05-19-2010_Brooks McCall	B30	B30H-WA01	5/19/2010	10:16	28.661077	-88.452337	799	1.1					
05-19-2010_Brooks McCall	B30	B30H-WA02	5/19/2010	10:16	28.661077	-88.452337	799					0	
05-19-2010_Brooks McCall	B30	B30G-WA01	5/19/2010	10:19	28.661077	-88.452337	649	0.5					
05-19-2010_Brooks McCall	B30	B30G-WA02	5/19/2010	10:19	28.661077	-88.452337	649					0	
05-19-2010_Brooks McCall	B30	B30F-WA01	5/19/2010	10:23	28.661077	-88.452337	500	0.5					
05-19-2010_Brooks McCall	B30	B30F-WA02	5/19/2010	10:23	28.661077	-88.452337	500					0	
05-19-2010_Brooks McCall	B30	B30E-WA01	5/19/2010	10:30	28.661077	-88.452337	199	0.5					
05-19-2010_Brooks McCall	B30	B30E-WA02	5/19/2010	10:30	28.661077	-88.452337	199					0	
05-19-2010_Brooks McCall	B30	B30D-WA01	5/19/2010	10:33	28.661077	-88.452337	99	0.5					
05-19-2010_Brooks McCall	B30	B30D-WA02	5/19/2010	10:33	28.661077	-88.452337	99					0	
05-19-2010_Brooks McCall	B30	B30C-WA01	5/19/2010	10:34	28.661077	-88.452337	49	0.5					
05-19-2010_Brooks McCall	B30	B30C-WA02	5/19/2010	10:34	28.661077	-88.452337	49					0	
05-19-2010_Brooks McCall	B30	B30B-WA01	5/19/2010	10:35	28.661077	-88.452337	2	1.1					
05-19-2010_Brooks McCall	B30	B30B-WA02	5/19/2010	10:35	28.661077	-88.452337	2					0	
05-19-2010_Brooks McCall	B30	B30A-WA01	5/19/2010		28.661077	-88.452337	1	629.9					
05-19-2010_Brooks McCall	B31	B31L-WA01	5/19/2010	12:24	28.644125	-88.426667	1328	0.5					

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-19-2010_Brooks McCall	B31	B31L-WA02	5/19/2010	12:24	28.644125	-88.426667	1328					0	
05-19-2010_Brooks McCall	B31	B31K-WA01	5/19/2010	12:26	28.644125	-88.426667	1312	0.5					
05-19-2010_Brooks McCall	B31	B31K-WA02	5/19/2010	12:26	28.644125	-88.426667	1312					0	
05-19-2010_Brooks McCall	B31	B31J-WA01	5/19/2010	12:29	28.644125	-88.426667	1211	0.5					
05-19-2010_Brooks McCall	B31	B31J-WA02	5/19/2010	12:29	28.644125	-88.426667	1211					0	
05-19-2010_Brooks McCall	B31	B31I-WA01	5/19/2010	12:34	28.644125	-88.426667	999	0.5					
05-19-2010_Brooks McCall	B31	B31I-WA02	5/19/2010	12:34	28.644125	-88.426667	999					0	
05-19-2010_Brooks McCall	B31	B31E-WA01	5/19/2010	12:53	28.644125	-88.426667	199	0.5					
05-19-2010_Brooks McCall	B31	B31E-WA02	5/19/2010	12:53	28.644125	-88.426667	199					0	
05-19-2010_Brooks McCall	B31	B31D-WA01	5/19/2010	12:55	28.644125	-88.426667	99	0.5					
05-19-2010_Brooks McCall	B31	B31D-WA02	5/19/2010	12:55	28.644125	-88.426667	99					0	
05-19-2010_Brooks McCall	B31	B31A-WA01	5/19/2010		28.644125	-88.426667	1	2.4					
05-19-2010_Brooks McCall	B32	B32L-WA01	5/19/2010	14:56	28.683275	-88.472140	1338	0.5					
05-19-2010_Brooks McCall	B32	B32L-WA02	5/19/2010	14:56	28.683275	-88.472140	1338					0	
05-19-2010_Brooks McCall	B32	B32K-WA01	5/19/2010	14:58	28.683275	-88.472140	1312	0.5					
05-19-2010_Brooks McCall	B32	B32K-WA02	5/19/2010	14:58	28.683275	-88.472140	1312					0	
05-19-2010_Brooks McCall	B32	B32J-WA01	5/19/2010	15:01	28.683275	-88.472140	1211	0.5					
05-19-2010_Brooks McCall	B32	B32J-WA02	5/19/2010	15:01	28.683275	-88.472140	1211					60	
05-19-2010_Brooks McCall	B32	B32I-WA01	5/19/2010	15:06	28.683275	-88.472140	999	0.5					
05-19-2010_Brooks McCall	B32	B32I-WA02	5/19/2010	15:06	28.683275	-88.472140	999					0	
05-19-2010_Brooks McCall	B32	B32E-WA01	5/19/2010	15:25	28.683275	-88.472140	199	0.5				0	
05-19-2010_Brooks McCall	B32	B32E-WA02	5/19/2010	15:25	28.683275	-88.472140	199						
05-19-2010_Brooks McCall	B32	B32D-WA01	5/19/2010	15:27	28.683275	-88.472140	99	0.5					
05-19-2010_Brooks McCall	B32	B32D-WA02	5/19/2010	15:27	28.683275	-88.472140	99					0	
05-19-2010_Brooks McCall	B33	B33L-WA01	5/19/2010	17:27	28.709278	-88.484742	1338	0.5					
05-19-2010_Brooks McCall	B33	B33K-WA01	5/19/2010	17:31	28.709278	-88.484742	1312	0.5					
05-19-2010_Brooks McCall	B33	B33J-WA01	5/19/2010	17:33	28.709278	-88.484742	1262	0.5					
05-19-2010_Brooks McCall	B33	B33I-WA01	5/19/2010	17:34	28.709278	-88.484742	1211	0.5					
05-19-2010_Brooks McCall	B33	B33H-WA01	5/19/2010	17:35	28.709278	-88.484742	1160						
05-19-2010_Brooks McCall	B33	B33E-WA01	5/19/2010	17:56	28.709278	-88.484742	299	0.5					
05-19-2010_Brooks McCall	B33	B33D-WA01	5/19/2010	18:01	28.709278	-88.484742	99	0.5					
05-19-2010_Brooks McCall	B34	B34L-WA01	5/20/2010	7:54	28.715970	-88.394468	1503	0.5					
05-19-2010_Brooks McCall	B34	B34L-WA02	5/20/2010	7:54	28.715970	-88.394468	1503					0	
05-19-2010_Brooks McCall	B34	B34K-WA01	5/20/2010	7:59	28.715970	-88.394468	1399	0.5				0	
05-19-2010_Brooks McCall	B34	B34K-WA03	5/20/2010	7:59	28.715970	-88.394468	1399					0	
05-19-2010_Brooks McCall	B34	B34J-WA01	5/20/2010	8:01	28.715970	-88.394468	1299	0.5					
05-19-2010_Brooks McCall	B34	B34I-WA01	5/20/2010	8:04	28.715970	-88.394468	1199	0.5					
05-19-2010_Brooks McCall	B34	B34I-WA02	5/20/2010	8:04	28.715970	-88.394468	1199					342	
05-19-2010_Brooks McCall	B34	B34H-WA01	5/20/2010	8:08	28.715970	-88.394468	999						
05-19-2010_Brooks McCall	B34	B34G-WA01	5/20/2010	8:14	28.715970	-88.394468	749						
05-19-2010_Brooks McCall	B34	B34F-WA01	5/20/2010	8:20	28.715970	-88.394468	499						
05-19-2010_Brooks McCall	B34	B34E-WA01	5/20/2010	8:27	28.715970	-88.394468	199	0.5					
05-19-2010_Brooks McCall	B34	B34E-WA02	5/20/2010	8:27	28.715970	-88.394468	199					0	
05-19-2010_Brooks McCall	B34	B34D-WA01	5/20/2010	8:30	28.715970	-88.394468	99	0.5					
05-19-2010_Brooks McCall	B34	B34D-WA02	5/20/2010	8:30	28.715970	-88.394468	99					0	
05-19-2010_Brooks McCall	B34	B34D-WA03	5/20/2010	8:30	28.715970	-88.394468	99						

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-19-2010_Brooks McCall	B34	B34C-WA01	5/20/2010	8:31	28.715970	-88.394468	50						
05-19-2010_Brooks McCall	B34	B34B-WA01	5/20/2010	8:32	28.715970	-88.394468	2						
05-19-2010_Brooks McCall	B35	B35L-WA01	5/20/2010	10:49	28.728845	-88.380308	1504	0.5					
05-19-2010_Brooks McCall	B35	B35L-WA02	5/20/2010	10:49	28.728845	-88.380308	1504					0	
05-19-2010_Brooks McCall	B35	B35K-WA01	5/20/2010	10:53	28.728845	-88.380308	1399	0.5					
05-19-2010_Brooks McCall	B35	B35K-WA03	5/20/2010	10:53	28.728845	-88.380308	1399					0	
05-19-2010_Brooks McCall	B35	B35J-WA01	5/20/2010	10:56	28.728845	-88.380308	1299	0.5					
05-19-2010_Brooks McCall	B35	B35J-WA02	5/20/2010	10:56	28.728845	-88.380308	1299					0	
05-19-2010_Brooks McCall	B35	B35I-WA01	5/20/2010	10:58	28.728845	-88.380308	1199	0.5					
05-19-2010_Brooks McCall	B35	B35I-WA02	5/20/2010	10:58	28.728845	-88.380308	1199					0	
05-19-2010_Brooks McCall	B35	B35H-WA01	5/20/2010	11:03	28.728845	-88.380308	999						
05-19-2010_Brooks McCall	B35	B35G-WA01	5/20/2010	11:09	28.728845	-88.380308	749						
05-19-2010_Brooks McCall	B35	B35F-WA01	5/20/2010	11:14	28.728845	-88.380308	499						
05-19-2010_Brooks McCall	B35	B35E-WA01	5/20/2010	11:22	28.728845	-88.380308	199	0.5					
05-19-2010_Brooks McCall	B35	B35E-WA02	5/20/2010	11:22	28.728845	-88.380308	199					0	
05-19-2010_Brooks McCall	B35	B35D-WA01	5/20/2010	11:24	28.728845	-88.380308	99	0.5					
05-19-2010_Brooks McCall	B35	B35D-WA02	5/20/2010	11:24	28.728845	-88.380308	99					0	
05-19-2010_Brooks McCall	B35	B35C-WA01	5/20/2010	11:25	28.728845	-88.380308	49						
05-19-2010_Brooks McCall	B35	B35B-WA01	5/20/2010	11:26	28.728845	-88.380308	2						
05-19-2010_Brooks McCall	B36	B36L-WA01	5/20/2010	13:22	28.732025	-88.376757	1503	0.5					
05-19-2010_Brooks McCall	B36	B36L-WA02	5/20/2010	13:22	28.732025	-88.376757	1503					0	
05-19-2010_Brooks McCall	B36	B36K-WA01	5/20/2010	13:27	28.732025	-88.376757	1399	0.5					
05-19-2010_Brooks McCall	B36	B36K-WA02	5/20/2010	13:27	28.732025	-88.376757	1399					0	
05-19-2010_Brooks McCall	B36	B36J-WA01	5/20/2010	13:29	28.732025	-88.376757	1299	0.5					
05-19-2010_Brooks McCall	B36	B36J-WA02	5/20/2010	13:29	28.732025	-88.376757	1299					0	
05-19-2010_Brooks McCall	B36	B36I-WA01	5/20/2010	13:31	28.732025	-88.376757	1199	0.5					
05-19-2010_Brooks McCall	B36	B36I-WA02	5/20/2010	13:31	28.732025	-88.376757	1199					600	
05-19-2010_Brooks McCall	B36	B36H-WA01	5/20/2010	13:36	28.732025	-88.376757	999						
05-19-2010_Brooks McCall	B36	B36G-WA01	5/20/2010	13:42	28.732025	-88.376757	749						
05-19-2010_Brooks McCall	B36	B36F-WA01	5/20/2010	13:47	28.732025	-88.376757	499						
05-19-2010_Brooks McCall	B36	B36E-WA01	5/20/2010	13:54	28.732025	-88.376757	199	0.5					
05-19-2010_Brooks McCall	B36	B36E-WA02	5/20/2010	13:54	28.732025	-88.376757	199					0	
05-19-2010_Brooks McCall	B36	B36D-WA01	5/20/2010	13:57	28.732025	-88.376757	99	0.5					
05-19-2010_Brooks McCall	B36	B36D-WA02	5/20/2010	13:57	28.732025	-88.376757	99					0	
05-19-2010_Brooks McCall	B36	B36C-WA01	5/20/2010	13:58	28.732025	-88.376757	49						
05-19-2010_Brooks McCall	B36	B36B-WA01	5/20/2010	13:59	28.732025	-88.376757	2						
05-19-2010_Brooks McCall	B37	B37L-WA01	5/20/2010	15:52	28.729572	-88.366363	1529	0.5					
05-19-2010_Brooks McCall	B37	B37L-WA02	5/20/2010	15:52	28.729572	-88.366363	1529					0	
05-19-2010_Brooks McCall	B37	B37K-WA01	5/20/2010	15:57	28.729572	-88.366363	1399	0.5					
05-19-2010_Brooks McCall	B37	B37K-WA03	5/20/2010	15:57	28.729572	-88.366363	1399					0	
05-19-2010_Brooks McCall	B37	B37J-WA01	5/20/2010	16:00	28.729572	-88.366363	1299	0.5					
05-19-2010_Brooks McCall	B37	B37J-WA02	5/20/2010	16:00	28.729572	-88.366363	1299					0	
05-19-2010_Brooks McCall	B37	B37I-WA01	5/20/2010	16:02	28.729572	-88.366363	1198	0.5					
05-19-2010_Brooks McCall	B37	B37I-WA02	5/20/2010	16:02	28.729572	-88.366363	1198					0	
05-19-2010_Brooks McCall	B37	B37H-WA01	5/20/2010	16:07	28.729572	-88.366363	999						
05-19-2010_Brooks McCall	B37	B37G-WA01	5/20/2010	16:13	28.729572	-88.366363	749						

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-19-2010_Brooks McCall	B37	B37F-WA01	5/20/2010	16:19	28.729572	-88.366363	499						
05-19-2010_Brooks McCall	B37	B37E-WA01	5/20/2010	16:27	28.729572	-88.366363	199	0.5					
05-19-2010_Brooks McCall	B37	B37E-WA02	5/20/2010	16:27	28.729572	-88.366363	199					0	
05-19-2010_Brooks McCall	B37	B37D-WA01	5/20/2010	16:29	28.729572	-88.366363	99	0.5					
05-19-2010_Brooks McCall	B37	B37D-WA02	5/20/2010	16:29	28.729572	-88.366363	99					0	
05-19-2010_Brooks McCall	B37	B37C-WA01	5/20/2010	16:30	28.729572	-88.366363	49						
05-19-2010_Brooks McCall	B37	B37B-WA01	5/20/2010	16:32	28.729572	-88.366363	2						
05-19-2010_Brooks McCall	B38	B38L-WA01	5/21/2010	7:59	28.732028	-88.376727	1554	0.5					
05-19-2010_Brooks McCall	B38	B38L-WA02	5/21/2010	7:59	28.732028	-88.376727	1554					0	
05-19-2010_Brooks McCall	B38	B38K-WA01	5/21/2010	8:05	28.732028	-88.376727	1399	0.5					
05-19-2010_Brooks McCall	B38	B38K-WA02	5/21/2010	8:05	28.732028	-88.376727	1399					0	
05-19-2010_Brooks McCall	B38	B38J-WA01	5/21/2010	8:08	28.732028	-88.376727	1299	0.5					
05-19-2010_Brooks McCall	B38	B38J-WA02	5/21/2010	8:08	28.732028	-88.376727	1299					0	
05-19-2010_Brooks McCall	B38	B38I-WA01	5/21/2010	8:10	28.732028	-88.376727	1199	0.5					
05-19-2010_Brooks McCall	B38	B38I-WA02	5/21/2010	8:10	28.732028	-88.376727	1199					200	
05-19-2010_Brooks McCall	B38	B38H-WA01	5/21/2010	8:13	28.732028	-88.376727	1049						
05-19-2010_Brooks McCall	B38	B38G-WA01	5/21/2010	8:15	28.732028	-88.376727	999						
05-19-2010_Brooks McCall	B38	B38F-WA01	5/21/2010	8:24	28.732028	-88.376727	599						
05-19-2010_Brooks McCall	B38	B38E-WA01	5/21/2010	8:33	28.732028	-88.376727	199	0.5					
05-19-2010_Brooks McCall	B38	B38E-WA02	5/21/2010	8:33	28.732028	-88.376727	199					0	
05-19-2010_Brooks McCall	B38	B38D-WA01	5/21/2010	8:35	28.732028	-88.376727	99	0.5					
05-19-2010_Brooks McCall	B38	B38D-WA02	5/21/2010	8:35	28.732028	-88.376727	99					0	
05-19-2010_Brooks McCall	B38	B38C-WA01	5/21/2010	8:37:07	28.732028	-88.376727	49						
05-19-2010_Brooks McCall	B38	B38B-WA01	5/21/2010	8:38:20	28.732028	-88.376727	2						
05-19-2010_Brooks McCall	B39	B39L-WA01	5/21/2010	11:08	28.738703	-88.351128	1553	0.5					
05-19-2010_Brooks McCall	B39	B39L-WA02	5/21/2010	11:08	28.738703	-88.351128	1553					0	
05-19-2010_Brooks McCall	B39	B39K-WA01	5/21/2010	11:14	28.738703	-88.351128	1399	0.5					
05-19-2010_Brooks McCall	B39	B39K-WA02	5/21/2010	11:14	28.738703	-88.351128	1399					0	
05-19-2010_Brooks McCall	B39	B39J-WA01	5/21/2010	11:16	28.738703	-88.351128	1299	0.5					
05-19-2010_Brooks McCall	B39	B39J-WA02	5/21/2010	11:16	28.738703	-88.351128	1299					0	
05-19-2010_Brooks McCall	B39	B39I-WA01	5/21/2010	11:18	28.738703	-88.351128	1199	0.5					
05-19-2010_Brooks McCall	B39	B39I-WA02	5/21/2010	11:18	28.738703	-88.351128	1199					0	
05-19-2010_Brooks McCall	B39	B39H-WA01	5/21/2010	11:20	28.738703	-88.351128	1149						
05-19-2010_Brooks McCall	B39	B39G-WA01	5/21/2010	11:23	28.738703	-88.351128	999						
05-19-2010_Brooks McCall	B39	B39F-WA01	5/21/2010	11:33	28.738703	-88.351128	600						
05-19-2010_Brooks McCall	B39	B39E-WA01	5/21/2010	11:42	28.738703	-88.351128	199	0.5					
05-19-2010_Brooks McCall	B39	B39E-WA02	5/21/2010	11:42	28.738703	-88.351128	199					0	
05-19-2010_Brooks McCall	B39	B39D-WA01	5/21/2010	11:44	28.738703	-88.351128	99	0.5					
05-19-2010_Brooks McCall	B39	B39D-WA02	5/21/2010	11:44	28.738703	-88.351128	99					0	
05-19-2010_Brooks McCall	B39	B39C-WA01	5/21/2010	11:46	28.738703	-88.351128	49						
05-19-2010_Brooks McCall	B39	B39B-WA01	5/21/2010	11:47	28.738703	-88.351128	2						
05-19-2010_Brooks McCall	B40	B40L-WA01	5/21/2010	13:44	28.752020	-88.366777	1462	0.5					
05-19-2010_Brooks McCall	B40	B40L-WA02	5/21/2010	13:44	28.752020	-88.366777	1462					0	
05-19-2010_Brooks McCall	B40	B40K-WA01	5/21/2010	13:48	28.752020	-88.366777	1400	0.5					
05-19-2010_Brooks McCall	B40	B40K-WA02	5/21/2010	13:48	28.752020	-88.366777	1400					0	
05-19-2010_Brooks McCall	B40	B40J-WA01	5/21/2010	13:50	28.752020	-88.366777	1300	0.5					

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-19-2010_Brooks McCall	B40	B40J-WA02	5/21/2010	13:50	28.752020	-88.366777	1300					0	
05-19-2010_Brooks McCall	B40	B40I-WA01	5/21/2010	13:53	28.752020	-88.366777	1198	0.5					
05-19-2010_Brooks McCall	B40	B40I-WA02	5/21/2010	13:53	28.752020	-88.366777	1198					0	
05-19-2010_Brooks McCall	B40	B40H-WA01	5/21/2010	13:54	28.752020	-88.366777	1149						
05-19-2010_Brooks McCall	B40	B40G-WA01	5/21/2010	13:58	28.752020	-88.366777	999						
05-19-2010_Brooks McCall	B40	B40F-WA01	5/21/2010	14:05	28.752020	-88.366777	699						
05-19-2010_Brooks McCall	B40	B40E-WA01	5/21/2010	14:17	28.752020	-88.366777	199	0.5					
05-19-2010_Brooks McCall	B40	B40E-WA02	5/21/2010	14:17	28.752020	-88.366777	199					0	
05-19-2010_Brooks McCall	B40	B40D-WA01	5/21/2010	14:20	28.752020	-88.366777	99	0.5					
05-19-2010_Brooks McCall	B40	B40D-WA02	5/21/2010	14:20	28.752020	-88.366777	99					0	
05-19-2010_Brooks McCall	B40	B40C-WA01	5/21/2010	14:21	28.752020	-88.366777	49						
05-19-2010_Brooks McCall	B40	B40B-WA01	5/21/2010	14:22	28.752020	-88.366777	2						
05-19-2010_Brooks McCall	B41	B41L-WA01	5/21/2010	16:25	28.738343	-88.386970	1504	0.5					
05-19-2010_Brooks McCall	B41	B41L-WA02	5/21/2010	16:25	28.738343	-88.386970	1504					0	
05-19-2010_Brooks McCall	B41	B41K-WA01	5/21/2010	16:29	28.738343	-88.386970	1399	0.5					
05-19-2010_Brooks McCall	B41	B41K-WA02	5/21/2010	16:29	28.738343	-88.386970	1399					0	
05-19-2010_Brooks McCall	B41	B41J-WA01	5/21/2010	16:32	28.738343	-88.386970	1299	0.5					
05-19-2010_Brooks McCall	B41	B41J-WA02	5/21/2010	16:32	28.738343	-88.386970	1299					4.3	J
05-19-2010_Brooks McCall	B41	B41I-WA01	5/21/2010	16:34	28.738343	-88.386970	1199	0.5					
05-19-2010_Brooks McCall	B41	B41I-WA02	5/21/2010	16:34	28.738343	-88.386970	1199					800	
05-19-2010_Brooks McCall	B41	B41H-WA01	5/21/2010	16:39	28.738343	-88.386970	999						
05-19-2010_Brooks McCall	B41	B41G-WA01	5/21/2010	16:45	28.738343	-88.386970	749						
05-19-2010_Brooks McCall	B41	B41F-WA01	5/21/2010	16:51	28.738343	-88.386970	499						
05-19-2010_Brooks McCall	B41	B41E-WA01	5/21/2010	16:58	28.738343	-88.386970	199	0.5					
05-19-2010_Brooks McCall	B41	B41E-WA02	5/21/2010	16:58	28.738343	-88.386970	199					0	
05-19-2010_Brooks McCall	B41	B41D-WA01	5/21/2010	17:00	28.738343	-88.386970	99	0.5					
05-19-2010_Brooks McCall	B41	B41D-WA02	5/21/2010	17:00	28.738343	-88.386970	99					0	
05-19-2010_Brooks McCall	B41	B41C-WA01	5/21/2010	17:01	28.738343	-88.386970	49						
05-19-2010_Brooks McCall	B41	B41B-WA01	5/21/2010	17:02	28.738343	-88.386970	2						
05-23-2010_Brooks McCall	B42	2010147-111_LSU	5/23/2010	14:49	28.732012	-88.376773	1541			0			
05-23-2010_Brooks McCall	B42	420101-01	5/23/2010	14:49	28.732012	-88.376773	1541	1		0			
05-23-2010_Brooks McCall	B42	2010147-112_LSU	5/23/2010	14:49	28.732012	-88.376773	1398			0			
05-23-2010_Brooks McCall	B42	420102-01	5/23/2010	14:49	28.732012	-88.376773	1398	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-113_LSU	5/23/2010	14:49	28.732012	-88.376773	1295			0			
05-23-2010_Brooks McCall	B42	420103-01	5/23/2010	14:49	28.732012	-88.376773	1295	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-114_LSU	5/23/2010	14:49	28.732012	-88.376773	1243			0			
05-23-2010_Brooks McCall	B42	420104-01	5/23/2010	14:49	28.732012	-88.376773	1243	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-115_LSU	5/23/2010	14:49	28.732012	-88.376773	1198			7			
05-23-2010_Brooks McCall	B42	420105-01	5/23/2010	14:49	28.732012	-88.376773	1198	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-116_LSU	5/23/2010	14:49	28.732012	-88.376773	1050			0			
05-23-2010_Brooks McCall	B42	420106-01	5/23/2010	14:49	28.732012	-88.376773	1050	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-117_LSU	5/23/2010	14:49	28.732012	-88.376773	999	1					
05-23-2010_Brooks McCall	B42	420107-01	5/23/2010	14:49	28.732012	-88.376773	999	1					
05-23-2010_Brooks McCall	B42	2010147-118_LSU	5/23/2010	14:49	28.732012	-88.376773	499			<5	J		
05-23-2010_Brooks McCall	B42	420108-01	5/23/2010	14:49	28.732012	-88.376773	499	1					
05-23-2010_Brooks McCall	B42	2010147-119_LSU	5/23/2010	14:49	28.732012	-88.376773	100			0			

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-23-2010_Brooks McCall	B42	420109-01	5/23/2010	14:49	28.732012	-88.376773	100	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-120_LSU	5/23/2010	14:49	28.732012	-88.376773	51			0			
05-23-2010_Brooks McCall	B42	420110-01	5/23/2010	14:49	28.732012	-88.376773	51	0.5		0			
05-23-2010_Brooks McCall	B42	2010147-121_LSU	5/23/2010	14:49	28.732012	-88.376773	2			0			
05-23-2010_Brooks McCall	B42	420111-01	5/23/2010	14:49	28.732012	-88.376773	2	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-100_LSU	5/23/2010	18:22	28.738353	-88.386910	1488			0			
05-23-2010_Brooks McCall	B43	430101-01	5/23/2010	18:22	28.738353	-88.386910	1488	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-101_LSU	5/23/2010	18:22	28.738353	-88.386910	1399			0			
05-23-2010_Brooks McCall	B43	430102-01	5/23/2010	18:22	28.738353	-88.386910	1399	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-102_LSU	5/23/2010	18:22	28.738353	-88.386910	1295	1					
05-23-2010_Brooks McCall	B43	430103-01	5/23/2010	18:22	28.738353	-88.386910	1295	1		0			
05-23-2010_Brooks McCall	B43	2010147-103_LSU	5/23/2010	18:22	28.738353	-88.386910	1219			0			
05-23-2010_Brooks McCall	B43	430104-01	5/23/2010	18:22	28.738353	-88.386910	1219	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-104_LSU	5/23/2010	18:22	28.738353	-88.386910	1159			0			
05-23-2010_Brooks McCall	B43	430105-01	5/23/2010	18:22	28.738353	-88.386910	1159	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-105_LSU	5/23/2010	18:22	28.738353	-88.386910	1099			0			
05-23-2010_Brooks McCall	B43	430106-01	5/23/2010	18:22	28.738353	-88.386910	1099	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-106_LSU	5/23/2010	18:22	28.738353	-88.386910	929	1					
05-23-2010_Brooks McCall	B43	430107-01	5/23/2010	18:22	28.738353	-88.386910	929	1					
05-23-2010_Brooks McCall	B43	2010147-107_LSU	5/23/2010	18:22	28.738353	-88.386910	499			0			
05-23-2010_Brooks McCall	B43	430108-01	5/23/2010	18:22	28.738353	-88.386910	499	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-108_LSU	5/23/2010	18:22	28.738353	-88.386910	101			0			
05-23-2010_Brooks McCall	B43	430109-01	5/23/2010	18:22	28.738353	-88.386910	101	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-109_LSU	5/23/2010	18:22	28.738353	-88.386910	50			0			
05-23-2010_Brooks McCall	B43	430110-01	5/23/2010	18:22	28.738353	-88.386910	50	0.5		0			
05-23-2010_Brooks McCall	B43	2010147-110_LSU	5/23/2010	18:22	28.738353	-88.386910	2			0			
05-23-2010_Brooks McCall	B43	430111-01	5/23/2010	18:22	28.738353	-88.386910	2	0.5					
05-23-2010_Brooks McCall	B44	2010147-78_LSU	5/23/2010	20:57	28.735127	-88.381882	1510			1	J		
05-23-2010_Brooks McCall	B44	440101-01	5/23/2010	20:57	28.735127	-88.381882	1510	0.5				0	
05-23-2010_Brooks McCall	B44	2010147-79_LSU	5/23/2010	20:57	28.735127	-88.381882	1399			0			
05-23-2010_Brooks McCall	B44	440102-01	5/23/2010	20:57	28.735127	-88.381882	1399	0.5				0	
05-23-2010_Brooks McCall	B44	2010147-80_LSU	5/23/2010	20:57	28.735127	-88.381882	1198			0			
05-23-2010_Brooks McCall	B44	440103-01	5/23/2010	20:57	28.735127	-88.381882	1198	1				1500	
05-23-2010_Brooks McCall	B44	2010147-81_LSU	5/23/2010	20:57	28.735127	-88.381882	1154	1					
05-23-2010_Brooks McCall	B44	440104-01	5/23/2010	20:57	28.735127	-88.381882	1154	0.5		0		1200	
05-23-2010_Brooks McCall	B44	2010147-82_LSU	5/23/2010	20:57	28.735127	-88.381882	1058			0			
05-23-2010_Brooks McCall	B44	440105-01	5/23/2010	20:57	28.735127	-88.381882	1058	0.5		0		510	
05-23-2010_Brooks McCall	B44	2010147-83_LSU	5/23/2010	20:57	28.735127	-88.381882	955			0			
05-23-2010_Brooks McCall	B44	440106-01	5/23/2010	20:57	28.735127	-88.381882	955	1				95	
05-23-2010_Brooks McCall	B44	2010147-84_LSU	5/23/2010	20:57	28.735127	-88.381882	854			0			
05-23-2010_Brooks McCall	B44	440107-01	5/23/2010	20:57	28.735127	-88.381882	854	1				130	
05-23-2010_Brooks McCall	B44	2010147-85_LSU	5/23/2010	20:57	28.735127	-88.381882	499			0			
05-23-2010_Brooks McCall	B44	440108-01	5/23/2010	20:57	28.735127	-88.381882	499	1				0	
05-23-2010_Brooks McCall	B44	2010147-86_LSU	5/23/2010	20:57	28.735127	-88.381882	100			1	J		
05-23-2010_Brooks McCall	B44	440109-01	5/23/2010	20:57	28.735127	-88.381882	100	0.5		0		0	
05-23-2010_Brooks McCall	B44	2010147-87_LSU	5/23/2010	20:57	28.735127	-88.381882	50			0			

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-23-2010_Brooks McCall	B44	440110-01	5/23/2010	20:57	28.735127	-88.381882	50	1				0	
05-23-2010_Brooks McCall	B44	2010147-88_LSU	5/23/2010	20:57	28.735127	-88.381882	2			1	J		
05-23-2010_Brooks McCall	B44	440111-01	5/23/2010	20:57	28.735127	-88.381882	2	1				0	
05-23-2010_Brooks McCall	B45	2010147-89_LSU	5/24/2010	12:03	28.738112	-88.407622	1487			1	J		
05-23-2010_Brooks McCall	B45	450101-01	5/24/2010	12:03	28.738112	-88.407622	1487	0.5		0		27	
05-23-2010_Brooks McCall	B45	2010147-90_LSU	5/24/2010	12:03	28.738112	-88.407622	1398			0			
05-23-2010_Brooks McCall	B45	450102-01	5/24/2010	12:03	28.738112	-88.407622	1398	0.5		0		0	
05-23-2010_Brooks McCall	B45	2010147-91_LSU	5/24/2010	12:03	28.738112	-88.407622	1234			0			
05-23-2010_Brooks McCall	B45	450103-01	5/24/2010	12:03	28.738112	-88.407622	1234	1				22	
05-23-2010_Brooks McCall	B45	2010147-92_LSU	5/24/2010	12:03	28.738112	-88.407622	1199			0			
05-23-2010_Brooks McCall	B45	450104-01	5/24/2010	12:03	28.738112	-88.407622	1199	0.5		0		190	
05-23-2010_Brooks McCall	B45	2010147-93_LSU	5/24/2010	12:03	28.738112	-88.407622	1199			0			
05-23-2010_Brooks McCall	B45	450105-01	5/24/2010	12:03	28.738112	-88.407622	1199	0.5		0		200	
05-23-2010_Brooks McCall	B45	2010147-94_LSU	5/24/2010	12:03	28.738112	-88.407622	1146			0			
05-23-2010_Brooks McCall	B45	450106-01	5/24/2010	12:03	28.738112	-88.407622	1146	1				460	
05-23-2010_Brooks McCall	B45	2010147-95_LSU	5/24/2010	12:03	28.738112	-88.407622	1099			0			
05-23-2010_Brooks McCall	B45	450107-01	5/24/2010	12:03	28.738112	-88.407622	1099	0.5				32	
05-23-2010_Brooks McCall	B45	2010147-96_LSU	5/24/2010	12:03	28.738112	-88.407622	899			0			
05-23-2010_Brooks McCall	B45	450108-01	5/24/2010	12:03	28.738112	-88.407622	899	0.5				3	J
05-23-2010_Brooks McCall	B45	2010147-97_LSU	5/24/2010	12:03	28.738112	-88.407622	500			0			
05-23-2010_Brooks McCall	B45	450109-01	5/24/2010	12:03	28.738112	-88.407622	500	1				0	
05-23-2010_Brooks McCall	B45	2010147-98_LSU	5/24/2010	12:03	28.738112	-88.407622	50			2	J		
05-23-2010_Brooks McCall	B45	450110-01	5/24/2010	12:03	28.738112	-88.407622	50	1				0	
05-23-2010_Brooks McCall	B45	2010147-99_LSU	5/24/2010	12:03	28.738112	-88.407622	2			2	J		
05-23-2010_Brooks McCall	B45	450111-01	5/24/2010	12:03	28.738112	-88.407622	2	1				0	
05-23-2010_Brooks McCall	B46	2010147-67_LSU	5/24/2010	14:32	28.728288	-88.400982	1534			0			
05-23-2010_Brooks McCall	B46	460101-01	5/24/2010	14:32	28.728288	-88.400982	1534	0.5				0	
05-23-2010_Brooks McCall	B46	2010147-68_LSU	5/24/2010	14:32	28.728288	-88.400982	1398			0			
05-23-2010_Brooks McCall	B46	460102-01	5/24/2010	14:32	28.728288	-88.400982	1398	0.5				0	
05-23-2010_Brooks McCall	B46	2010147-69_LSU	5/24/2010	14:32	28.728288	-88.400982	1227			0			
05-23-2010_Brooks McCall	B46	460103-01	5/24/2010	14:32	28.728288	-88.400982	1227	0.5				430	
05-23-2010_Brooks McCall	B46	2010147-70_LSU	5/24/2010	14:32	28.728288	-88.400982	1149			6			
05-23-2010_Brooks McCall	B46	460104-01	5/24/2010	14:32	28.728288	-88.400982	1149	1				140	
05-23-2010_Brooks McCall	B46	2010147-71_LSU	5/24/2010	14:32	28.728288	-88.400982	1099			4	J		
05-23-2010_Brooks McCall	B46	460105-01	5/24/2010	14:32	28.728288	-88.400982	1099	1				420	
05-23-2010_Brooks McCall	B46	2010147-72_LSU	5/24/2010	14:32	28.728288	-88.400982	1049			0			
05-23-2010_Brooks McCall	B46	460106-01	5/24/2010	14:32	28.728288	-88.400982	1049	1				66	
05-23-2010_Brooks McCall	B46	2010147-73_LSU	5/24/2010	14:32	28.728288	-88.400982	899			1	J		
05-23-2010_Brooks McCall	B46	460107-01	5/24/2010	14:32	28.728288	-88.400982	899	0.5				1	J
05-23-2010_Brooks McCall	B46	2010147-74_LSU	5/24/2010	14:32	28.728288	-88.400982	500			0			
05-23-2010_Brooks McCall	B46	460108-01	5/24/2010	14:32	28.728288	-88.400982	500	0.5				0	
05-23-2010_Brooks McCall	B46	2010147-75_LSU	5/24/2010	14:32	28.728288	-88.400982	100			0			
05-23-2010_Brooks McCall	B46	460109-01	5/24/2010	14:32	28.728288	-88.400982	100	0.5				0	
05-23-2010_Brooks McCall	B46	2010147-76_LSU	5/24/2010	14:32	28.728288	-88.400982	50			1	J		
05-23-2010_Brooks McCall	B46	460110-01	5/24/2010	14:32	28.728288	-88.400982	50	1				0	
05-23-2010_Brooks McCall	B46	2010147-77_LSU	5/24/2010	14:32	28.728288	-88.400982	2			2	J		

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-23-2010_Brooks McCall	B46	460111-01	5/24/2010	14:32	28.728288	-88.400982	2	1				0	
05-23-2010_Brooks McCall	B47	2010147-23_LSU	5/24/2010	17:11	28.719117	-88.391078	1564			0			
05-23-2010_Brooks McCall	B47	470101-01	5/24/2010	17:11	28.719117	-88.391078	1564	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-24_LSU	5/24/2010	17:11	28.719117	-88.391078	1399			0			
05-23-2010_Brooks McCall	B47	470102-01	5/24/2010	17:11	28.719117	-88.391078	1399	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-25_LSU	5/24/2010	17:11	28.719117	-88.391078	1299			0			
05-23-2010_Brooks McCall	B47	470103-01	5/24/2010	17:11	28.719117	-88.391078	1299	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-26_LSU	5/24/2010	17:11	28.719117	-88.391078	1199			0			
05-23-2010_Brooks McCall	B47	470104-01	5/24/2010	17:11	28.719117	-88.391078	1199	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-27_LSU	5/24/2010	17:11	28.719117	-88.391078	1099			0			
05-23-2010_Brooks McCall	B47	470105-01	5/24/2010	17:11	28.719117	-88.391078	1099	0.5				1	J
05-23-2010_Brooks McCall	B47	2010147-28_LSU	5/24/2010	17:11	28.719117	-88.391078	999			0			
05-23-2010_Brooks McCall	B47	470106-01	5/24/2010	17:11	28.719117	-88.391078	999	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-29_LSU	5/24/2010	17:11	28.719117	-88.391078	811			0			
05-23-2010_Brooks McCall	B47	470107-01	5/24/2010	17:11	28.719117	-88.391078	811	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-30_LSU	5/24/2010	17:11	28.719117	-88.391078	200			20			
05-23-2010_Brooks McCall	B47	470108-01	5/24/2010	17:11	28.719117	-88.391078	200	1				1	J
05-23-2010_Brooks McCall	B47	2010147-31_LSU	5/24/2010	17:11	28.719117	-88.391078	100			0			
05-23-2010_Brooks McCall	B47	470109-01	5/24/2010	17:11	28.719117	-88.391078	100	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-32_LSU	5/24/2010	17:11	28.719117	-88.391078	50			0			
05-23-2010_Brooks McCall	B47	470110-01	5/24/2010	17:11	28.719117	-88.391078	50	0.5				0	
05-23-2010_Brooks McCall	B47	2010147-33_LSU	5/24/2010	17:11	28.719117	-88.391078	2			0			
05-23-2010_Brooks McCall	B47	470111-01	5/24/2010	17:11	28.719117	-88.391078	2	0.5				0	
05-23-2010_Brooks McCall	B48	2010147-12_LSU	5/24/2010	19:51	28.735058	-88.429200	1495			0			
05-23-2010_Brooks McCall	B48	480101-01	5/24/2010	19:51	28.735058	-88.429200	1495	0.5				0	
05-23-2010_Brooks McCall	B48	2010147-13_LSU	5/24/2010	19:51	28.735058	-88.429200	1399			0			
05-23-2010_Brooks McCall	B48	480102-01	5/24/2010	19:51	28.735058	-88.429200	1399	0.5				0	
05-23-2010_Brooks McCall	B48	2010147-14_LSU	5/24/2010	19:51	28.735058	-88.429200	1283			0			
05-23-2010_Brooks McCall	B48	480103-01	5/24/2010	19:51	28.735058	-88.429200	1283	0.5				140	
05-23-2010_Brooks McCall	B48	2010147-15_LSU	5/24/2010	19:51	28.735058	-88.429200	1242			0			
05-23-2010_Brooks McCall	B48	480104-01	5/24/2010	19:51	28.735058	-88.429200	1242	0.5				130	
05-23-2010_Brooks McCall	B48	2010147-16_LSU	5/24/2010	19:51	28.735058	-88.429200	1191			0			
05-23-2010_Brooks McCall	B48	480105-01	5/24/2010	19:51	28.735058	-88.429200	1191	0.5				470	
05-23-2010_Brooks McCall	B48	2010147-17_LSU	5/24/2010	19:51	28.735058	-88.429200	1142			0			
05-23-2010_Brooks McCall	B48	480106-01	5/24/2010	19:51	28.735058	-88.429200	1142	0.5				1300	
05-23-2010_Brooks McCall	B48	2010147-18_LSU	5/24/2010	19:51	28.735058	-88.429200	1099			0			
05-23-2010_Brooks McCall	B48	480107-01	5/24/2010	19:51	28.735058	-88.429200	1099	0.5				50	
05-23-2010_Brooks McCall	B48	2010147-19_LSU	5/24/2010	19:51	28.735058	-88.429200	499			0			
05-23-2010_Brooks McCall	B48	480108-01	5/24/2010	19:51	28.735058	-88.429200	499	0.5				0	
05-23-2010_Brooks McCall	B48	2010147-20_LSU	5/24/2010	19:51	28.735058	-88.429200	100			0			
05-23-2010_Brooks McCall	B48	480109-01	5/24/2010	19:51	28.735058	-88.429200	100	0.5				0	
05-23-2010_Brooks McCall	B48	2010147-21_LSU	5/24/2010	19:51	28.735058	-88.429200	50			0			
05-23-2010_Brooks McCall	B48	480110-01	5/24/2010	19:51	28.735058	-88.429200	50	0.5				0	
05-23-2010_Brooks McCall	B48	2010147-22_LSU	5/24/2010	19:51	28.735058	-88.429200	2			0			
05-23-2010_Brooks McCall	B48	480111-01	5/24/2010	19:51	28.735058	-88.429200	2	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-34_LSU	5/25/2010	11:32	28.721390	-88.420077	1528			0			

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-23-2010_Brooks McCall	B49	490101-01	5/25/2010	11:32	28.721390	-88.420077	1528	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-35_LSU	5/25/2010	11:32	28.721390	-88.420077	1399			0			
05-23-2010_Brooks McCall	B49	490102-01	5/25/2010	11:32	28.721390	-88.420077	1399	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-36_LSU	5/25/2010	11:32	28.721390	-88.420077	1210	1		30			
05-23-2010_Brooks McCall	B49	490103-01	5/25/2010	11:32	28.721390	-88.420077	1210	1				890	
05-23-2010_Brooks McCall	B49	2010147-37_LSU	5/25/2010	11:32	28.721390	-88.420077	1132			0			
05-23-2010_Brooks McCall	B49	490104-01	5/25/2010	11:32	28.721390	-88.420077	1132	0.5				470	
05-23-2010_Brooks McCall	B49	2010147-38_LSU	5/25/2010	11:32	28.721390	-88.420077	1050			0			
05-23-2010_Brooks McCall	B49	490105-01	5/25/2010	11:32	28.721390	-88.420077	1050	0.5				390	
05-23-2010_Brooks McCall	B49	2010147-39_LSU	5/25/2010	11:32	28.721390	-88.420077	967			0			
05-23-2010_Brooks McCall	B49	490106-01	5/25/2010	11:32	28.721390	-88.420077	967	0.5				1	J
05-23-2010_Brooks McCall	B49	2010147-40_LSU	5/25/2010	11:32	28.721390	-88.420077	699			0			
05-23-2010_Brooks McCall	B49	490107-01	5/25/2010	11:32	28.721390	-88.420077	699	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-41_LSU	5/25/2010	11:32	28.721390	-88.420077	550			0			
05-23-2010_Brooks McCall	B49	490108-01	5/25/2010	11:32	28.721390	-88.420077	550	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-42_LSU	5/25/2010	11:32	28.721390	-88.420077	400			0			
05-23-2010_Brooks McCall	B49	490109-01	5/25/2010	11:32	28.721390	-88.420077	400	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-43_LSU	5/25/2010	11:32	28.721390	-88.420077	50			0			
05-23-2010_Brooks McCall	B49	490110-01	5/25/2010	11:32	28.721390	-88.420077	50	0.5				0	
05-23-2010_Brooks McCall	B49	2010147-44_LSU	5/25/2010	11:32	28.721390	-88.420077	2			0			
05-23-2010_Brooks McCall	B49	490111-01	5/25/2010	11:32	28.721390	-88.420077	2	0.5				0	
05-23-2010_Brooks McCall	B50	2010147-01_LSU	5/25/2010	14:01	28.717822	-88.429587	1512			0			
05-23-2010_Brooks McCall	B50	500101-01	5/25/2010	14:01	28.717822	-88.429587	1512	0.5				0	
05-23-2010_Brooks McCall	B50	2010147-02_LSU	5/25/2010	14:01	28.717822	-88.429587	1399			0			
05-23-2010_Brooks McCall	B50	500102-01	5/25/2010	14:01	28.717822	-88.429587	1399	0.5				0	
05-23-2010_Brooks McCall	B50	2010147-03_LSU	5/25/2010	14:01	28.717822	-88.429587	1320			78			
05-23-2010_Brooks McCall	B50	500103-01	5/25/2010	14:01	28.717822	-88.429587	1320	2				0	
05-23-2010_Brooks McCall	B50	2010147-04_LSU	5/25/2010	14:01	28.717822	-88.429587	1197			0			
05-23-2010_Brooks McCall	B50	500104-01	5/25/2010	14:01	28.717822	-88.429587	1197	0.5				570	
05-23-2010_Brooks McCall	B50	2010147-05_LSU	5/25/2010	14:01	28.717822	-88.429587	1140			0			
05-23-2010_Brooks McCall	B50	500105-01	5/25/2010	14:01	28.717822	-88.429587	1140	0.5				180	
05-23-2010_Brooks McCall	B50	2010147-06_LSU	5/25/2010	14:01	28.717822	-88.429587	1099			0			
05-23-2010_Brooks McCall	B50	500106-01	5/25/2010	14:01	28.717822	-88.429587	1099	0.5				1100	
05-23-2010_Brooks McCall	B50	2010147-07_LSU	5/25/2010	14:01	28.717822	-88.429587	1063			76			
05-23-2010_Brooks McCall	B50	500107-01	5/25/2010	14:01	28.717822	-88.429587	1063	1				250	
05-23-2010_Brooks McCall	B50	2010147-08_LSU	5/25/2010	14:01	28.717822	-88.429587	967			0			
05-23-2010_Brooks McCall	B50	500108-01	5/25/2010	14:01	28.717822	-88.429587	967	0.5				5	J
05-23-2010_Brooks McCall	B50	2010147-09_LSU	5/25/2010	14:01	28.717822	-88.429587	300			0			
05-23-2010_Brooks McCall	B50	500109-01	5/25/2010	14:01	28.717822	-88.429587	300	0.5				0	
05-23-2010_Brooks McCall	B50	2010147-10_LSU	5/25/2010	14:01	28.717822	-88.429587	50			0			
05-23-2010_Brooks McCall	B50	500110-01	5/25/2010	14:01	28.717822	-88.429587	50	0.5				0	
05-23-2010_Brooks McCall	B50	2010147-11_LSU	5/25/2010	14:01	28.717822	-88.429587	3			0			
05-23-2010_Brooks McCall	B50	500111-01	5/25/2010	14:01	28.717822	-88.429587	3	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-56_LSU	5/25/2010	16:41	28.737658	-88.439887	1473			0			
05-23-2010_Brooks McCall	B51	510101-01	5/25/2010	16:41	28.737658	-88.439887	1473	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-57_LSU	5/25/2010	16:41	28.737658	-88.439887	1399			0			

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-23-2010_Brooks McCall	B51	510102-01	5/25/2010	16:41	28.737658	-88.439887	1399	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-58_LSU	5/25/2010	16:41	28.737658	-88.439887	1299			0			
05-23-2010_Brooks McCall	B51	510103-01	5/25/2010	16:41	28.737658	-88.439887	1299	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-59_LSU	5/25/2010	16:41	28.737658	-88.439887	1218			0			
05-23-2010_Brooks McCall	B51	510104-01	5/25/2010	16:41	28.737658	-88.439887	1218	0.5				240	
05-23-2010_Brooks McCall	B51	2010147-60_LSU	5/25/2010	16:41	28.737658	-88.439887	1182			0			
05-23-2010_Brooks McCall	B51	510105-01	5/25/2010	16:41	28.737658	-88.439887	1182	0.5				630	
05-23-2010_Brooks McCall	B51	2010147-61_LSU	5/25/2010	16:41	28.737658	-88.439887	1163			0			
05-23-2010_Brooks McCall	B51	510106-01	5/25/2010	16:41	28.737658	-88.439887	1163	0.5				170	
05-23-2010_Brooks McCall	B51	2010147-62_LSU	5/25/2010	16:41	28.737658	-88.439887	1000			0			
05-23-2010_Brooks McCall	B51	510107-01	5/25/2010	16:41	28.737658	-88.439887	1000	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-63_LSU	5/25/2010	16:41	28.737658	-88.439887	921			0			
05-23-2010_Brooks McCall	B51	510108-01	5/25/2010	16:41	28.737658	-88.439887	921	0.5				100	
05-23-2010_Brooks McCall	B51	2010147-64_LSU	5/25/2010	16:41	28.737658	-88.439887	500			0			
05-23-2010_Brooks McCall	B51	510109-01	5/25/2010	16:41	28.737658	-88.439887	500	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-65_LSU	5/25/2010	16:41	28.737658	-88.439887	51			0			
05-23-2010_Brooks McCall	B51	510110-01	5/25/2010	16:41	28.737658	-88.439887	51	0.5				0	
05-23-2010_Brooks McCall	B51	2010147-66_LSU	5/25/2010	16:41	28.737658	-88.439887	2			0			
05-23-2010_Brooks McCall	B51	510111-01	5/25/2010	16:41	28.737658	-88.439887	2	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-45_LSU	5/25/2010	19:22	28.732007	-88.376787	1540			0			
05-23-2010_Brooks McCall	B52	520101-01	5/25/2010	19:22	28.732007	-88.376787	1540	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-46_LSU	5/25/2010	19:22	28.732007	-88.376787	1399			0			
05-23-2010_Brooks McCall	B52	520102-01	5/25/2010	19:22	28.732007	-88.376787	1399	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-47_LSU	5/25/2010	19:22	28.732007	-88.376787	1324			0			
05-23-2010_Brooks McCall	B52	520103-01	5/25/2010	19:22	28.732007	-88.376787	1324	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-48_LSU	5/25/2010	19:22	28.732007	-88.376787	1253			0			
05-23-2010_Brooks McCall	B52	520104-01	5/25/2010	19:22	28.732007	-88.376787	1253	0.5				24	
05-23-2010_Brooks McCall	B52	2010147-49_LSU	5/25/2010	19:22	28.732007	-88.376787	1199			0			
05-23-2010_Brooks McCall	B52	520105-01	5/25/2010	19:22	28.732007	-88.376787	1199	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-50_LSU	5/25/2010	19:22	28.732007	-88.376787	1109			0			
05-23-2010_Brooks McCall	B52	520106-01	5/25/2010	19:22	28.732007	-88.376787	1109	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-51_LSU	5/25/2010	19:22	28.732007	-88.376787	500			0			
05-23-2010_Brooks McCall	B52	520107-01	5/25/2010	19:22	28.732007	-88.376787	500	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-52_LSU	5/25/2010	19:22	28.732007	-88.376787	200			0			
05-23-2010_Brooks McCall	B52	520108-01	5/25/2010	19:22	28.732007	-88.376787	200	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-53_LSU	5/25/2010	19:22	28.732007	-88.376787	100			0			
05-23-2010_Brooks McCall	B52	520109-01	5/25/2010	19:22	28.732007	-88.376787	100	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-54_LSU	5/25/2010	19:22	28.732007	-88.376787	50			0			
05-23-2010_Brooks McCall	B52	520110-01	5/25/2010	19:22	28.732007	-88.376787	50	0.5				0	
05-23-2010_Brooks McCall	B52	2010147-55_LSU	5/25/2010	19:22	28.732007	-88.376787	3			0			
05-23-2010_Brooks McCall	B52	520111-01	5/25/2010	19:22	28.732007	-88.376787	3	0.5				0	
05-30-2010_Brooks McCall	BM53	BM530101-01	5/30/2010	16:15	28.735083	-88.381880	1509	1.0				11	
05-30-2010_Brooks McCall	BM53	BM530103-01	5/30/2010	16:15	28.735083	-88.381880	1509	<1				0	
05-30-2010_Brooks McCall	BM53	BM530105-01	5/30/2010	16:30	28.735083	-88.381880	1219	11.0				1800	
05-30-2010_Brooks McCall	BM53	BM530107-01	5/30/2010	16:40	28.735083	-88.381880	999	<1				39	
05-30-2010_Brooks McCall	BM53	BM530109-01	5/30/2010	17:01	28.735083	-88.381880	499	<1				0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-30-2010_Brooks McCall	BM53	BM530111-01	5/30/2010	17:19	28.735083	-88.381880	2	<1				0	
05-30-2010_Brooks McCall	BM54	BM540101-01	5/30/2010	19:11	28.732017	-88.376688	1529	<1				8	J
05-30-2010_Brooks McCall	BM54	BM540103-01	5/30/2010	19:28	28.732017	-88.376688	1529	11.0				1600	
05-30-2010_Brooks McCall	BM54	BM540103-02	5/30/2010	19:28	28.732017	-88.376688	1194						
05-30-2010_Brooks McCall	BM54	BM540105-01	5/30/2010	19:43	28.732017	-88.376688	849	<1				12	
05-30-2010_Brooks McCall	BM54	BM540107-01	5/30/2010	19:58	28.732017	-88.376688	499	<1				0	
05-30-2010_Brooks McCall	BM54	BM540109-01	5/30/2010	20:17	28.732017	-88.376688	2	<1				0	
05-30-2010_Brooks McCall	BM55	BM550101-02	5/30/2010	21:39	28.758013	-88.387893	1324	<1					
05-30-2010_Brooks McCall	BM55	BM550101-1	5/30/2010	21:39	28.758013	-88.387893	1324					0	
05-30-2010_Brooks McCall	BM55	BM550103-02	5/30/2010	21:51	28.758013	-88.387893	1073	<1					
05-30-2010_Brooks McCall	BM55	BM550103-1	5/30/2010	21:51	28.758013	-88.387893	1073					0	
05-30-2010_Brooks McCall	BM55	BM550105-1	5/30/2010	21:58	28.758013	-88.387893	919	<1				0	
05-30-2010_Brooks McCall	BM55	BM550107-1	5/30/2010	22:17	28.758013	-88.387893	449	<1				0	
05-30-2010_Brooks McCall	BM55	BM550109-1	5/30/2010	22:34	28.758013	-88.387893	2	<1				0	
05-30-2010_Brooks McCall	BM56	BM560101-01	5/31/2010	12:58	28.723547	-88.414878	1529	<1				16	
05-30-2010_Brooks McCall	BM56	BM560103-01	5/31/2010	13:21	28.723547	-88.414878	1037	<1				33	
05-30-2010_Brooks McCall	BM56	BM560105-01	5/31/2010	13:25	28.723547	-88.414878	954	<1				3	J
05-30-2010_Brooks McCall	BM56	BM560107-01	5/31/2010	13:44	28.723547	-88.414878	499	<1				0	
05-30-2010_Brooks McCall	BM56	BM560108-01	5/31/2010	14:01	28.723547	-88.414878	50	<1				0	
05-30-2010_Brooks McCall	BM56	BM560109-01	5/31/2010	14:03	28.723547	-88.414878	2	<1				0	
05-30-2010_Brooks McCall	BM56	BM560110-01	5/31/2010	14:03	28.723547	-88.414878	2	<1				0	
05-30-2010_Brooks McCall	BM57	BM570101-01	5/31/2010	15:32	28.705093	-88.401650	1498	<1				13	
05-30-2010_Brooks McCall	BM57	BM570103-01	5/31/2010	15:46	28.705093	-88.401650	1214	2				670	
05-30-2010_Brooks McCall	BM57	BM570105-01	5/31/2010	15:48	28.705093	-88.401650	1174	8				1700	
05-30-2010_Brooks McCall	BM57	BM570106-01	5/31/2010	15:51	28.705093	-88.401650	1116	2				680	
05-30-2010_Brooks McCall	BM57	BM570107-01	5/31/2010	15:51	28.705093	-88.401650	1084	1				190	
05-30-2010_Brooks McCall	BM57	BM570109-01	5/31/2010	16:18	28.705093	-88.401650	500	<1				0	
05-30-2010_Brooks McCall	BM57	BM570110-01	5/31/2010	16:35	28.705093	-88.401650	66	<1				0	
05-30-2010_Brooks McCall	BM57	BM570111-01	5/31/2010	16:38	28.705093	-88.401650	2	<1				0	
05-30-2010_Brooks McCall	BM57	BM570199-01	5/31/2010	16:45	28.705093	-88.401650	0	1033 (swipe)					
05-30-2010_Brooks McCall	BM58	BM580101-01	5/31/2010	17:59	28.672323	-88.435935	1299	<1				12	
05-30-2010_Brooks McCall	BM58	BM580103-01	5/31/2010	18:01	28.672323	-88.435935	1279	<1				70	
05-30-2010_Brooks McCall	BM58	BM580105-01	5/31/2010	18:07	28.672323	-88.435935	1179	1				1100	
05-30-2010_Brooks McCall	BM58	BM580106-01	5/31/2010	18:10	28.672323	-88.435935	1136	4				350	
05-30-2010_Brooks McCall	BM58	BM580107-01	5/31/2010	18:37	28.672323	-88.435935	499	1				0	
05-30-2010_Brooks McCall	BM58	BM580109-01	5/31/2010	18:53	28.672323	-88.435935	72	1				0	
05-30-2010_Brooks McCall	BM58	BM580110-01	5/31/2010	18:56	28.672323	-88.435935	2	<1				0	
05-30-2010_Brooks McCall	BM58	BM580111-01	5/31/2010	18:56	28.672323	-88.435935	2	<1				0	
05-30-2010_Brooks McCall	BM59	BM590101-01	5/31/2010	20:18	28.638928	-88.471285	1398	<1				0	
05-30-2010_Brooks McCall	BM59	BM590103-01	5/31/2010	20:22	28.638928	-88.471285	1343	<1				0	
05-30-2010_Brooks McCall	BM59	BM590105-01	5/31/2010	20:58	28.638928	-88.471285	499	<1				0	
05-30-2010_Brooks McCall	BM59	BM590107-01	5/31/2010	21:15	28.638928	-88.471285	63	<1				0	
05-30-2010_Brooks McCall	BM59	BM590109-01	5/31/2010	21:18	28.638928	-88.471285	2	<1				0	
05-30-2010_Brooks McCall	BM60	BM600101-01	6/1/2010	12:24	28.725908	-88.372033	1498	<1				0	
05-30-2010_Brooks McCall	BM60	BM600103-01	6/1/2010	12:33	28.725908	-88.372033	1298	<1				0	
05-30-2010_Brooks McCall	BM60	BM600105-01	6/1/2010	13:06	28.725908	-88.372033	500	<1				0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
05-30-2010_Brooks McCall	BM60	BM600107-01	6/1/2010	13:22	28.725908	-88.372033	60	<1				0	
05-30-2010_Brooks McCall	BM60	BM600108-01	6/1/2010	13:25	28.725908	-88.372033	2	<1				0	
05-30-2010_Brooks McCall	BM60	BM600109-01	6/1/2010	13:25	28.725908	-88.372033	2	<1				0	
05-30-2010_Brooks McCall	BM61	BM610101-01	6/1/2010	15:00	28.696512	-88.384982	1399	<1				0	
05-30-2010_Brooks McCall	BM61	BM610103-01	6/1/2010	15:05	28.696512	-88.384982	1299	<1				0	
05-30-2010_Brooks McCall	BM61	BM610105-01	6/1/2010	15:39	28.696512	-88.384982	500	<1				0	
05-30-2010_Brooks McCall	BM61	BM610107-01	6/1/2010	16:00	28.696512	-88.384982	50	<1				0	
05-30-2010_Brooks McCall	BM61	BM610108-01	6/1/2010	16:03	28.696512	-88.384982	2	<1				0	
05-30-2010_Brooks McCall	BM61	BM610199-01	6/1/2010	17:14	28.696512	-88.384982	0	1406 (swipe)					
05-30-2010_Brooks McCall	BM62	BM620101-01	6/1/2010	17:30	28.654526	-88.404116	1399	<1				0	
05-30-2010_Brooks McCall	BM62	BM620103-01	6/1/2010	17:31	28.654526	-88.404116	1380	<1				9	J
05-30-2010_Brooks McCall	BM62	BM620105-01	6/1/2010	17:36	28.654526	-88.404116	1298	<1				0	
05-30-2010_Brooks McCall	BM62	BM620107-01	6/1/2010	18:10	28.654526	-88.404116	500	<1				0	
05-30-2010_Brooks McCall	BM62	BM620108-01	6/1/2010	18:26	28.654526	-88.404116	71	<1				0	
05-30-2010_Brooks McCall	BM62	BM620109-01	6/1/2010	18:29	28.654526	-88.404116	2	1				0	
05-30-2010_Brooks McCall	BM62	BM620110-01	6/1/2010	18:29	28.654526	-88.404116	2	<1				0	
05-30-2010_Brooks McCall	BM63	BM630101-01	6/1/2010	19:54	28.663980	-88.421060	1340	<1				0	
05-30-2010_Brooks McCall	BM63	BM630103-01	6/1/2010	20:00	28.663980	-88.421060	1231	<1				58	
05-30-2010_Brooks McCall	BM63	BM630105-01	6/1/2010	20:31	28.663980	-88.421060	500	<1				0	
05-30-2010_Brooks McCall	BM63	BM630107-01	6/1/2010	20:48	28.663980	-88.421060	70	<1				0	
05-30-2010_Brooks McCall	BM63	BM630108-01	6/1/2010	20:49	28.663980	-88.421060	2	<1				0	
05-30-2010_Brooks McCall	BM64	BM640101-01	6/1/2010	22:15	28.683393	-88.448712	1368	<1				0	
05-30-2010_Brooks McCall	BM64	BM640103-01	6/1/2010	22:22	28.683393	-88.448712	1238	<1				0	
05-30-2010_Brooks McCall	BM64	BM640105-01	6/1/2010	22:29	28.683393	-88.448712	1099	<1				290	
05-30-2010_Brooks McCall	BM64	BM640106-01	6/1/2010	22:31	28.683393	-88.448712	1051	<1				0	
05-30-2010_Brooks McCall	BM64	BM640107-01	6/1/2010	22:36	28.683393	-88.448712	972	<1				0	
05-30-2010_Brooks McCall	BM64	BM640109-01	6/1/2010	22:55	28.683393	-88.448712	499	<1				0	
05-30-2010_Brooks McCall	BM64	BM640110-01	6/1/2010	23:11	28.683393	-88.448712	83	<1				0	
05-30-2010_Brooks McCall	BM64	BM640111-01	6/1/2010	23:15	28.683393	-88.448712	2	<1				0	
06-05-2010_Brooks McCall	BM65	BM650101-01	6/5/2010	16:59	28.732025	-88.376726	1540			0		0	
06-05-2010_Brooks McCall	BM65	BM650103-01	6/5/2010	17:25	28.732025	-88.376726	1029			0		0	
06-05-2010_Brooks McCall	BM65	BM650104-01	6/5/2010	17:32	28.732025	-88.376726	898			0		0	
06-05-2010_Brooks McCall	BM65	BM650105-01	6/5/2010	17:44	28.732025	-88.376726	624			0		8	J
06-05-2010_Brooks McCall	BM65	BM650107-01	6/5/2010	17:50	28.732025	-88.376726	499			0		0	
06-05-2010_Brooks McCall	BM65	BM650109-01	6/5/2010	17:55	28.732025	-88.376726	399			0		0	
06-05-2010_Brooks McCall	BM65	BM650110-01	6/5/2010	18:08	28.732025	-88.376726	69			0		0	
06-05-2010_Brooks McCall	BM65	BM650111-01	6/5/2010	18:11	28.732025	-88.376726	2			53		0	
06-05-2010_Brooks McCall	BM66	BM660101-01	6/5/2010	19:57	28.729575	-88.366420	1558			0		0	
06-05-2010_Brooks McCall	BM66	BM660103-01	6/5/2010	20:21	28.729575	-88.366420	1080			22		690	
06-05-2010_Brooks McCall	BM66	BM660105-01	6/5/2010	20:26	28.729575	-88.366420	989			0		260	
06-05-2010_Brooks McCall	BM66	BM660106-01	6/5/2010	20:31	28.729575	-88.366420	899			0		35	
06-05-2010_Brooks McCall	BM66	BM660107-01	6/5/2010	20:31	28.729575	-88.366420	899			1	J	44	
06-05-2010_Brooks McCall	BM66	BM660108-01	6/5/2010	20:41	28.729575	-88.366420	700						
06-05-2010_Brooks McCall	BM66	BM660109-01	6/5/2010	20:50	28.729575	-88.366420	499			0		0	
06-05-2010_Brooks McCall	BM66	BM660110-01	6/5/2010	20:50	28.729575	-88.366420	499			0		0	
06-05-2010_Brooks McCall	BM66	BM660111-01	6/5/2010	21:09	28.729575	-88.366420	2			20		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-05-2010_Brooks McCall	BM67	BM670101-01	6/5/2010	22:57	28.693435	-88.366676	1593			0		0	
06-05-2010_Brooks McCall	BM67	BM670103-01	6/5/2010	23:23	28.693435	-88.366676	1099			0		290	
06-05-2010_Brooks McCall	BM67	BM670105-01	6/5/2010	23:25	28.693435	-88.366676	1067			0		190	
06-05-2010_Brooks McCall	BM67	BM670106-01	6/5/2010	23:29	28.693435	-88.366676	999			0		2	J
06-05-2010_Brooks McCall	BM67	BM670107-01	6/5/2010	23:51	28.693435	-88.366676	499			0		0	
06-05-2010_Brooks McCall	BM67	BM670109-01	6/5/2010	0:07	28.693435	-88.366676	93			0		0	
06-05-2010_Brooks McCall	BM67	BM670110-01	6/5/2010	0:11	28.693435	-88.366676	2			1	J	0	
06-05-2010_Brooks McCall	BM68	BM680101-01	6/6/2010	12:25	28.648186	-88.366673	1589			0		0	
06-05-2010_Brooks McCall	BM68	BM680103-01	6/6/2010	12:40	28.648186	-88.366673	1298			0		0	
06-05-2010_Brooks McCall	BM68	BM680104-01	6/6/2010	12:55	28.648186	-88.366673	1004			0		0	
06-05-2010_Brooks McCall	BM68	BM680105-01	6/6/2010	12:59	28.648186	-88.366673	914			0		4	J
06-05-2010_Brooks McCall	BM68	BM680107-01	6/6/2010	13:17	28.648186	-88.366673	500			0		0	
06-05-2010_Brooks McCall	BM68	BM680109-01	6/6/2010	13:29	28.648186	-88.366673	200			0		0	
06-05-2010_Brooks McCall	BM68	BM680110-01	6/6/2010	13:34	28.648186	-88.366673	75			0		0	
06-05-2010_Brooks McCall	BM68	BM680111-01	6/6/2010	13:37	28.648186	-88.366673	2			57		0	
06-05-2010_Brooks McCall	BM69	BM690101-01	6/6/2010	15:16	28.697133	-88.346713	1536			0		0	
06-05-2010_Brooks McCall	BM69	BM690103-01	6/6/2010	15:40	28.697133	-88.346713	1004			0		1	J
06-05-2010_Brooks McCall	BM69	BM690105-01	6/6/2010	15:47	28.697133	-88.346713	883			0		0	
06-05-2010_Brooks McCall	BM69	BM690107-01	6/6/2010	16:02	28.697133	-88.346713	499			0		0	
06-05-2010_Brooks McCall	BM69	BM690108-01	6/6/2010	16:18	28.697133	-88.346713	56			0		0	
06-05-2010_Brooks McCall	BM69	BM690109-01	6/6/2010	16:20	28.697133	-88.346713	32			0		0	
06-05-2010_Brooks McCall	BM69	BM690110-01	6/6/2010	16:22	28.697133	-88.346713	2			49		0	
06-05-2010_Brooks McCall	BM69	BM690111-01	6/6/2010	16:22	28.697133	-88.346713	2			54		0	
06-05-2010_Brooks McCall	BM70	BM700101-01	6/6/2010	17:55	28.706515	-88.330276	1468			1	J	0	
06-05-2010_Brooks McCall	BM70	BM700103-01	6/6/2010	18:04	28.706515	-88.330276	1299			0		0	
06-05-2010_Brooks McCall	BM70	BM700105-01	6/6/2010	18:11	28.706515	-88.330276	1149			0		0	
06-05-2010_Brooks McCall	BM70	BM700106-01	6/6/2010	18:19	28.706515	-88.330276	999			0		0	
06-05-2010_Brooks McCall	BM70	BM700107-01	6/6/2010	18:30	28.706515	-88.330276	749			0		0	
06-05-2010_Brooks McCall	BM70	BM700108-01	6/6/2010	18:41	28.706515	-88.330276	499			2	J	0	
06-05-2010_Brooks McCall	BM70	BM700110-01	6/6/2010	18:57	28.706515	-88.330276	99			0		0	
06-05-2010_Brooks McCall	BM70	BM700111-01	6/6/2010	19:01	28.706515	-88.330276	2			29		1	J
06-05-2010_Brooks McCall	BM71	BM710101-01	6/6/2010	20:38	28.729205	-88.355735	1563			0		0	
06-05-2010_Brooks McCall	BM71	BM710103-01	6/6/2010	20:52	28.729205	-88.355735	1299			2	J	0	
06-05-2010_Brooks McCall	BM71	BM710105-01	6/6/2010	21:05	28.729205	-88.355735	1038			0		49	
06-05-2010_Brooks McCall	BM71	BM710106-01	6/6/2010	21:19	28.729205	-88.355735	749			0		3	J
06-05-2010_Brooks McCall	BM71	BM710107-01	6/6/2010	21:30	28.729205	-88.355735	500			0		0	
06-05-2010_Brooks McCall	BM71	BM710108-01	6/6/2010	21:40	28.729205	-88.355735	249			0		0	
06-05-2010_Brooks McCall	BM71	BM710109-01	6/6/2010	21:46	28.729205	-88.355735	100			0		0	
06-05-2010_Brooks McCall	BM71	BM710110-01	6/6/2010	21:50	28.729205	-88.355735	2			18		0	
06-05-2010_Brooks McCall	BM71	BM710111-01	6/6/2010	21:50	28.729205	-88.355735	2			27		0	
06-05-2010_Brooks McCall	BM72	BM720101-01	6/7/2010	12:24	28.748163	-88.377422	1456			0		0	
06-05-2010_Brooks McCall	BM72	BM720103-01	6/7/2010	12:46	28.748163	-88.377422	1006			0		3	J
06-05-2010_Brooks McCall	BM72	BM720105-01	6/7/2010	12:52	28.748163	-88.377422	892			0		61	
06-05-2010_Brooks McCall	BM72	BM720107-01	6/7/2010	13:08	28.748163	-88.377422	499			0		50	
06-05-2010_Brooks McCall	BM72	BM720108-01	6/7/2010	13:16	28.748163	-88.377422	300			0		9	J
06-05-2010_Brooks McCall	BM72	BM720109-01	6/7/2010	13:24	28.748163	-88.377422	100			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-05-2010_Brooks McCall	BM72	BM720110-01	6/7/2010	13:26	28.748163	-88.377422	30			1	J	0	
06-05-2010_Brooks McCall	BM72	BM720111-01	6/7/2010	13:28	28.748163	-88.377422	2			3	J	0	
06-05-2010_Brooks McCall	BM73	BM730101-01	6/7/2010	15:38	28.722980	-88.373478	1574			0		0	
06-05-2010_Brooks McCall	BM73	BM730103-01	6/7/2010	15:58	28.722980	-88.373478	1198			0		0	
06-05-2010_Brooks McCall	BM73	BM730105-01	6/7/2010	16:08	28.722980	-88.373478	983			0		1	J
06-05-2010_Brooks McCall	BM73	BM730106-01	6/7/2010	16:16	28.722980	-88.373478	799			0		8	J
06-05-2010_Brooks McCall	BM73	BM730107-01	6/7/2010	16:29	28.722980	-88.373478	499			0		0	
06-05-2010_Brooks McCall	BM73	BM730108-01	6/7/2010	16:47	28.722980	-88.373478	39			0		0	
06-05-2010_Brooks McCall	BM73	BM730109-01	6/7/2010	16:49	28.722980	-88.373478	2			7		0	
06-05-2010_Brooks McCall	BM73	BM730110-01	6/7/2010	16:49	28.722980	-88.373478	2			0		0	
06-05-2010_Brooks McCall	BM74	BM740101-01	6/7/2010	20:24	28.688098	-88.418302	1409			0		0	
06-05-2010_Brooks McCall	BM74	BM740103-01	6/7/2010	20:38	28.688098	-88.418302	1118			10		580	
06-05-2010_Brooks McCall	BM74	BM740105-01	6/7/2010	20:54	28.688098	-88.418302	749			0		0	
06-05-2010_Brooks McCall	BM74	BM740107-01	6/7/2010	21:05	28.688098	-88.418302	499			0		0	
06-05-2010_Brooks McCall	BM74	BM740108-01	6/7/2010	21:15	28.688098	-88.418302	250			0		0	
06-05-2010_Brooks McCall	BM74	BM740109-01	6/7/2010	21:23	28.688098	-88.418302	35			0		0	
06-05-2010_Brooks McCall	BM74	BM740110-01	6/7/2010	21:25	28.688098	-88.418302	2			40		0	
06-11-2010_Brooks McCall	BM75	BM750101-01	6/11/2010	12:28	28.723622	-88.414820	1517			0		0	
06-11-2010_Brooks McCall	BM75	BM750103-01	6/11/2010	12:49	28.723622	-88.414820	1089			0		0	
06-11-2010_Brooks McCall	BM75	BM750105-01	6/11/2010	12:58	28.723622	-88.414820	882			0		2	J
06-11-2010_Brooks McCall	BM75	BM750107-01	6/11/2010	13:14	28.723622	-88.414820	501			0		0	
06-11-2010_Brooks McCall	BM75	BM750108-01	6/11/2010	13:25	28.723622	-88.414820	228			0		0	
06-11-2010_Brooks McCall	BM75	BM750109-01	6/11/2010	13:35	28.723622	-88.414820	10			0		0	
06-11-2010_Brooks McCall	BM75	BM750110-01	6/11/2010	13:36	28.723622	-88.414820	2			0		0	
06-11-2010_Brooks McCall	BM76	BM760101-01	6/11/2010	15:17	28.732355	-88.417212	1512			12		0	
06-11-2010_Brooks McCall	BM76	BM760103-01	6/11/2010	15:38	28.732355	-88.417212	1106			0		4	J
06-11-2010_Brooks McCall	BM76	BM760105-01	6/11/2010	15:47	28.732355	-88.417212	913			0		0	
06-11-2010_Brooks McCall	BM76	BM760106-01	6/11/2010	15:55	28.732355	-88.417212	749			0		0	
06-11-2010_Brooks McCall	BM76	BM760107-01	6/11/2010	16:06	28.732355	-88.417212	500			0		0	
06-11-2010_Brooks McCall	BM76	BM760109-01	6/11/2010	16:18	28.732355	-88.417212	201			0		0	
06-11-2010_Brooks McCall	BM76	BM760110-01	6/11/2010	16:26	28.732355	-88.417212	2			9		0	
06-11-2010_Brooks McCall	BM76	BM760111-01	6/11/2010	16:26	28.732355	-88.417212	2			11		0	
06-11-2010_Brooks McCall	BM77	BM770101-01	6/11/2010	18:01	28.741417	-88.417597	1482			0		0	
06-11-2010_Brooks McCall	BM77	BM770103-01	6/11/2010	18:19	28.741417	-88.417597	1127			6		510	
06-11-2010_Brooks McCall	BM77	BM770105-01	6/11/2010	18:30	28.741417	-88.417597	912			0		0	
06-11-2010_Brooks McCall	BM77	BM770107-01	6/11/2010	18:43	28.741417	-88.417597	617			1	J	0	
06-11-2010_Brooks McCall	BM77	BM770108-01	6/11/2010	18:48	28.741417	-88.417597	500			0		0	
06-11-2010_Brooks McCall	BM77	BM770109-01	6/11/2010	18:59	28.741417	-88.417597	225			4	J	0	
06-11-2010_Brooks McCall	BM77	BM770110-01	6/11/2010	19:07	28.741417	-88.417597	2			9		0	
06-11-2010_Brooks McCall	BM78	BM780101-01	6/11/2010	20:32	28.750397	-88.415992	1433			0		0	
06-11-2010_Brooks McCall	BM78	BM780103-01	6/11/2010	20:46	28.750397	-88.415992	1143			0		430	
06-11-2010_Brooks McCall	BM78	BM780105-01	6/11/2010	20:57	28.750397	-88.415992	919			0		0	
06-11-2010_Brooks McCall	BM78	BM780107-01	6/11/2010	21:14	28.750397	-88.415992	500			0		0	
06-11-2010_Brooks McCall	BM78	BM780108-01	6/11/2010	21:26	28.750397	-88.415992	220			1	J	0	
06-11-2010_Brooks McCall	BM78	BM780109-01	6/11/2010	21:33	28.750397	-88.415992	37			0		0	
06-11-2010_Brooks McCall	BM78	BM780110-01	6/11/2010	21:35	28.750397	-88.415992	2			16		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-11-2010_Brooks McCall	BM79	BM790101-01	6/12/2010	12:17	28.758767	-88.412258	1401			0		0	
06-11-2010_Brooks McCall	BM79	BM790103-01	6/12/2010	12:29	28.758767	-88.412258	1149			3	J	200	
06-11-2010_Brooks McCall	BM79	BM790105-01	6/12/2010	12:37	28.758767	-88.412258	984			2	J	1	J
06-11-2010_Brooks McCall	BM79	BM790107-01	6/12/2010	12:40	28.758767	-88.412258	936			0		0	
06-11-2010_Brooks McCall	BM79	BM790108-01	6/12/2010	12:58	28.758767	-88.412258	516			14		0	
06-11-2010_Brooks McCall	BM79	BM790109-01	6/12/2010	13:10	28.758767	-88.412258	200			0		0	
06-11-2010_Brooks McCall	BM79	BM790110-01	6/12/2010	13:17	28.758767	-88.412258	39			1	J	0	
06-11-2010_Brooks McCall	BM79	BM790111-01	6/12/2010	13:19	28.758767	-88.412258	2			1	J	0	
06-11-2010_Brooks McCall	BM80	BM800101-01	6/12/2010	14:49	28.748740	-88.389343	1441			0		0	
06-11-2010_Brooks McCall	BM80	BM800103-01	6/12/2010	15:06	28.748740	-88.389343	1139						
06-11-2010_Brooks McCall	BM80	BM800105-01	6/12/2010	15:17	28.748740	-88.389343	924			0		320	
06-11-2010_Brooks McCall	BM80	BM800107-01	6/12/2010	15:28	28.748740	-88.389343	680			0		0	
06-11-2010_Brooks McCall	BM80	BM800108-01	6/12/2010	15:42	28.748740	-88.389343	340			0		0	
06-11-2010_Brooks McCall	BM80	BM800109-01	6/12/2010	15:46	28.748740	-88.389343	225			0		0	
06-11-2010_Brooks McCall	BM80	BM800110-01	6/12/2010	15:54	28.748740	-88.389343	40			7		0	
06-11-2010_Brooks McCall	BM80	BM800111-01	6/12/2010	15:55	28.748740	-88.389343	2						
06-11-2010_Brooks McCall	BM81	BM810101-01	6/12/2010	17:23	28.735495	-88.391867	1502			0		0	
06-11-2010_Brooks McCall	BM81	BM810103-01	6/12/2010	17:45	28.735495	-88.391867	1133			0		700	
06-11-2010_Brooks McCall	BM81	BM810105-01	6/12/2010	17:53	28.735495	-88.391867	964			0		0	
06-11-2010_Brooks McCall	BM81	BM810106-01	6/12/2010	17:57	28.735495	-88.391867	904			0		0	
06-11-2010_Brooks McCall	BM81	BM810107-01	6/12/2010	17:59	28.735495	-88.391867	873			0		0	
06-11-2010_Brooks McCall	BM81	BM810109-01	6/12/2010	18:19	28.735495	-88.391867	400			0		0	
06-11-2010_Brooks McCall	BM81	BM810110-01	6/12/2010	18:28	28.735495	-88.391867	150			0		0	
06-11-2010_Brooks McCall	BM81	BM810111-01	6/12/2010	18:34	28.735495	-88.391867	2			20		0	
06-11-2010_Brooks McCall	BM82	BM820103-01	6/12/2010	20:01	28.739988	-88.376563	1495			0		0	
06-11-2010_Brooks McCall	BM82	BM820105-01	6/12/2010	20:18	28.739988	-88.376563	1149			1	J	180	
06-11-2010_Brooks McCall	BM82	BM820107-01	6/12/2010	20:23	28.739988	-88.376563	1051			1	J	160	
06-11-2010_Brooks McCall	BM82	BM820108-01	6/12/2010	20:29	28.739988	-88.376563	935			1	J	0	
06-11-2010_Brooks McCall	BM82	BM820109-01	6/12/2010	20:59	28.739988	-88.376563	190			0		0	
06-11-2010_Brooks McCall	BM82	BM820110-01	6/12/2010	21:03	28.739988	-88.376563	80			0		0	
06-11-2010_Brooks McCall	BM82	BM820111-01	6/12/2010	21:07	28.739988	-88.376563	2			10	J	0	
06-11-2010_Brooks McCall	BM83	BM830101-01	6/13/2010	12:18	28.747703	-88.427198	1436			1	J	0	
06-11-2010_Brooks McCall	BM83	BM830103-01	6/13/2010	12:35	28.747703	-88.427198	1084			3	J	130	
06-11-2010_Brooks McCall	BM83	BM830105-01	6/13/2010	12:41	28.747703	-88.427198	943			0		0	
06-11-2010_Brooks McCall	BM83	BM830107-01	6/13/2010	13:00	28.747703	-88.427198	500			0		0	
06-11-2010_Brooks McCall	BM83	BM830108-01	6/13/2010	13:11	28.747703	-88.427198	220			0		0	
06-11-2010_Brooks McCall	BM83	BM830109-01	6/13/2010	13:16	28.747703	-88.427198	100			1	J	0	
06-11-2010_Brooks McCall	BM83	BM830110-01	6/13/2010	13:18	28.747703	-88.427198	40			1	J	0	
06-11-2010_Brooks McCall	BM83	BM830111-01	6/13/2010	13:20	28.747703	-88.427198	2			5	J	0	
06-11-2010_Brooks McCall	BM84	BM840101-01	6/13/2010	14:44	28.766427	-88.406815	1386			0		0	
06-11-2010_Brooks McCall	BM84	BM840103-01	6/13/2010	14:56	28.766427	-88.406815	1149			0		23	
06-11-2010_Brooks McCall	BM84	BM840105-01	6/13/2010	14:58	28.766427	-88.406815	1117			0		150	
06-11-2010_Brooks McCall	BM84	BM840107-01	6/13/2010	15:02	28.766427	-88.406815	1049			0		13	
06-11-2010_Brooks McCall	BM84	BM840108-01	6/13/2010	15:09	28.766427	-88.406815	920			0		0	
06-11-2010_Brooks McCall	BM84	BM840109-01	6/13/2010	15:27	28.766427	-88.406815	499			3	J	0	
06-11-2010_Brooks McCall	BM84	BM840110-01	6/13/2010	15:39	28.766427	-88.406815	200						

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-11-2010_Brooks McCall	BM84	BM840111-01	6/13/2010	15:47	28.766427	-88.406815	2			4	J	0	
06-11-2010_Brooks McCall	BM85	BM850101-01	6/13/2010	17:14	28.772935	-88.399692	1378			0		0	
06-11-2010_Brooks McCall	BM85	BM850103-01	6/13/2010	17:26	28.772935	-88.399692	1149			0		410	
06-11-2010_Brooks McCall	BM85	BM850105-01	6/13/2010	17:29	28.772935	-88.399692	1099			0		190	
06-11-2010_Brooks McCall	BM85	BM850107-01	6/13/2010	17:32	28.772935	-88.399692	1049			0		48	
06-11-2010_Brooks McCall	BM85	BM850108-01	6/13/2010	17:39	28.772935	-88.399692	909			0		0	
06-11-2010_Brooks McCall	BM85	BM850109-01	6/13/2010	17:57	28.772935	-88.399692	500			0		0	
06-11-2010_Brooks McCall	BM85	BM850110-01	6/13/2010	18:09	28.772935	-88.399692	200			0		0	
06-11-2010_Brooks McCall	BM85	BM850111-01	6/13/2010	18:17	28.772935	-88.399692	2			2	J	0	
06-11-2010_Brooks McCall	BM86	BM860101-01	6/13/2010	19:38	28.778045	-88.391320	1370			1	J	0	
06-11-2010_Brooks McCall	BM86	BM860103-01	6/13/2010	19:49	28.778045	-88.391320	1149			0		390	
06-11-2010_Brooks McCall	BM86	BM860105-01	6/13/2010	19:55	28.778045	-88.391320	1049			1	J	10	J
06-11-2010_Brooks McCall	BM86	BM860107-01	6/13/2010	20:01	28.778045	-88.391320	921			1	J	2	J
06-11-2010_Brooks McCall	BM86	BM860108-01	6/13/2010	20:20	28.778045	-88.391320	500			0		0	
06-11-2010_Brooks McCall	BM86	BM860109-01	6/13/2010	20:33	28.778045	-88.391320	200			0		0	
06-11-2010_Brooks McCall	BM86	BM860110-01	6/13/2010	20:38	28.778045	-88.391320	90			0		0	
06-11-2010_Brooks McCall	BM86	BM860111-01	6/13/2010	20:42	28.778045	-88.391320	2			2	J	0	
06-11-2010_Brooks McCall	BM87	BM870101-01	6/13/2010	22:08	28.781590	-88.381860	1374			0		0	
06-11-2010_Brooks McCall	BM87	BM870103-01	6/13/2010	22:20	28.781590	-88.381860	1149			0		510	
06-11-2010_Brooks McCall	BM87	BM870105-01	6/13/2010	22:25	28.781590	-88.381860	1060			0		7	J
06-11-2010_Brooks McCall	BM87	BM870107-01	6/13/2010	22:33	28.781590	-88.381860	914			0		0	
06-11-2010_Brooks McCall	BM87	BM870108-01	6/13/2010	22:51	28.781590	-88.381860	510			0		0	
06-11-2010_Brooks McCall	BM87	BM870109-01	6/13/2010	23:02	28.781590	-88.381860	240			0		0	
06-11-2010_Brooks McCall	BM87	BM870110-01	6/13/2010	23:10	28.781590	-88.381860	75			0		0	
06-11-2010_Brooks McCall	BM87	BM870111-01	6/13/2010	23:13	28.781590	-88.381860	2			7		0	
06-17-2010_Brooks McCall	BM88	BM880101-01	6/17/2010	14:36	28.729488	-88.366357	1558			0		0	
06-17-2010_Brooks McCall	BM88	BM880103-01	6/17/2010	14:53	28.729488	-88.366357	1223			0		0	
06-17-2010_Brooks McCall	BM88	BM880105-01	6/17/2010	14:58	28.729488	-88.366357	1149			0		0	
06-17-2010_Brooks McCall	BM88	BM880107-01	6/17/2010	15:08	28.729488	-88.366357	959			1	J	0	
06-17-2010_Brooks McCall	BM88	BM880108-01	6/17/2010	15:28	28.729488	-88.366357	490			1	J	0	
06-17-2010_Brooks McCall	BM88	BM880109-01	6/17/2010	15:36	28.729488	-88.366357	274			1	J	0	
06-17-2010_Brooks McCall	BM88	BM880110-01	6/17/2010	15:41	28.729488	-88.366357	140			1	J	0	
06-17-2010_Brooks McCall	BM88	BM880111-01	6/17/2010	15:46	28.729488	-88.366357	1			4	J	0	
06-17-2010_Brooks McCall	BM89	BM890101-01	6/17/2010	17:49	28.738313	-88.386968	1488			0		0	
06-17-2010_Brooks McCall	BM89	BM890103-01	6/17/2010	18:12	28.738313	-88.386968	1009			0		0	
06-17-2010_Brooks McCall	BM89	BM890105-01	6/17/2010	18:18	28.738313	-88.386968	910			4	J	0	
06-17-2010_Brooks McCall	BM89	BM890107-01	6/17/2010	18:36	28.738313	-88.386968	500			1	J	0	
06-17-2010_Brooks McCall	BM89	BM890109-01	6/17/2010	18:46	28.738313	-88.386968	250			1	J	0	
06-17-2010_Brooks McCall	BM89	BM890110-01	6/17/2010	18:51	28.738313	-88.386968	150			1	J	0	
06-17-2010_Brooks McCall	BM89	BM890111-01	6/17/2010	18:57	28.738313	-88.386968	2			3	J	0	
06-17-2010_Brooks McCall	BM90	BM900101-01	6/17/2010	20:41	28.738512	-88.436113	1545			1	J	0	
06-17-2010_Brooks McCall	BM90	BM900103-01	6/17/2010	21:02	28.738512	-88.436113	1108			1	J	0	
06-17-2010_Brooks McCall	BM90	BM900105-01	6/17/2010	21:06	28.738512	-88.436113	1064			1	J	0	
06-17-2010_Brooks McCall	BM90	BM900107-01	6/17/2010	21:15	28.738512	-88.436113	880			1	J	0	
06-17-2010_Brooks McCall	BM90	BM900108-01	6/17/2010	21:31	28.738512	-88.436113	500			1	J	0	
06-17-2010_Brooks McCall	BM90	BM900109-01	6/17/2010	21:41	28.738512	-88.436113	275			1	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-17-2010_Brooks McCall	BM90	BM900110-01	6/17/2010	21:46	28.738512	-88.436113	160			2	J	0	
06-17-2010_Brooks McCall	BM90	BM900111-01	6/17/2010	21:53	28.738512	-88.436113	2			33		0	
06-17-2010_Brooks McCall	BM91	BM910101-01	6/18/2010	13:08	28.780058	-88.346463	1450			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910103-01	6/18/2010	13:23	28.780058	-88.346463	1149			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910105-01	6/18/2010	13:31	28.780058	-88.346463	999			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910107-01	6/18/2010	13:50	28.780058	-88.346463	550			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910108-01	6/18/2010	14:02	28.780058	-88.346463	250			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910109-01	6/18/2010	14:09	28.780058	-88.346463	80			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910110-01	6/18/2010	14:09	28.780058	-88.346463	80			1	J	0	
06-17-2010_Brooks McCall	BM91	BM910111-01	6/18/2010	14:13	28.780058	-88.346463	2			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920101-01	6/18/2010	15:33	28.76978	-88.329647	1361			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920103-01	6/18/2010	15:46	28.76978	-88.329647	1094			1	J	1	J
06-17-2010_Brooks McCall	BM92	BM920105-01	6/18/2010	15:48	28.76978	-88.329647	1054			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920107-01	6/18/2010	15:54	28.76978	-88.329647	950			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920108-01	6/18/2010	16:06	28.76978	-88.329647	675			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920109-01	6/18/2010	16:18	28.76978	-88.329647	400			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920110-01	6/18/2010	16:27	28.76978	-88.329647	160			1	J	0	
06-17-2010_Brooks McCall	BM92	BM920111-01	6/18/2010	16:34	28.76978	-88.329647	2			15		0	
06-17-2010_Brooks McCall	BM93	BM930101-01	6/18/2010	17:50	28.754618	-88.318622	1387			0		0	
06-17-2010_Brooks McCall	BM93	BM930103-01	6/18/2010	18:03	28.754618	-88.318622	1124			0		1	J
06-17-2010_Brooks McCall	BM93	BM930105-01	6/18/2010	18:07	28.754618	-88.318622	1049			1	J	0	
06-17-2010_Brooks McCall	BM93	BM930107-01	6/18/2010	18:17	28.754618	-88.318622	855			0		1	J
06-17-2010_Brooks McCall	BM93	BM930108-01	6/18/2010	18:30	28.754618	-88.318622	575			0		0	
06-17-2010_Brooks McCall	BM93	BM930109-01	6/18/2010	18:45	28.754618	-88.318622	200			0		0	
06-17-2010_Brooks McCall	BM93	BM930110-01	6/18/2010	18:47	28.754618	-88.318622	175			0		0	
06-17-2010_Brooks McCall	BM93	BM930111-01	6/18/2010	18:54	28.754618	-88.318622	2			4	J	0	
06-17-2010_Brooks McCall	BM94	BM940101-01	6/18/2010	20:18	28.801513	-88.366598	1253			3	J	0	
06-17-2010_Brooks McCall	BM94	BM940103-01	6/18/2010	20:23	28.801513	-88.366598	1152			1	J	0	
06-17-2010_Brooks McCall	BM94	BM940105-01	6/18/2010	20:30	28.801513	-88.366598	1025			3	J	0	
06-17-2010_Brooks McCall	BM94	BM940107-01	6/18/2010	20:37	28.801513	-88.366598	874			1	J	0	
06-17-2010_Brooks McCall	BM94	BM940108-01	6/18/2010	20:51	28.801513	-88.366598	575			0		22	
06-17-2010_Brooks McCall	BM94	BM940109-01	6/18/2010	20:59	28.801513	-88.366598	399			1	J	0	
06-17-2010_Brooks McCall	BM94	BM940110-01	6/18/2010	21:07	28.801513	-88.366598	215			0		0	
06-17-2010_Brooks McCall	BM94	BM940111-01	6/18/2010	21:16	28.801513	-88.366598	2			12		0	
06-17-2010_Brooks McCall	BM95	BM950101-01	6/19/2010	12:17	28.802070	-88.293720	1243			0		0	
06-17-2010_Brooks McCall	BM95	BM950103-01	6/19/2010	12:25	28.802070	-88.293720	1099			0		3	J
06-17-2010_Brooks McCall	BM95	BM950105-01	6/19/2010	12:33	28.802070	-88.293720	939			0		1	J
06-17-2010_Brooks McCall	BM95	BM950107-01	6/19/2010	12:38	28.802070	-88.293720	849			0		0	
06-17-2010_Brooks McCall	BM95	BM950108-01	6/19/2010	12:54	28.802070	-88.293720	500			0		0	
06-17-2010_Brooks McCall	BM95	BM950109-01	6/19/2010	13:06	28.802070	-88.293720	195			0		0	
06-17-2010_Brooks McCall	BM95	BM950110-01	6/19/2010	13:09	28.802070	-88.293720	125			1	J	0	
06-17-2010_Brooks McCall	BM95	BM950111-01	6/19/2010	13:14	28.802070	-88.293720	2			1	J	0	
06-17-2010_Brooks McCall	BM96	BM960101-01	6/19/2010	14:45	28.828752	-88.366687	1031			1	J	0	
06-17-2010_Brooks McCall	BM96	BM960103-01	6/19/2010	14:52	28.828752	-88.366687	900			1	J	0	
06-17-2010_Brooks McCall	BM96	BM960105-01	6/19/2010	14:59	28.828752	-88.366687	749			1	J	0	
06-17-2010_Brooks McCall	BM96	BM960107-01	6/19/2010	15:10	28.828752	-88.366687	500			1	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-17-2010_Brooks McCall	BM96	BM960108-01	6/19/2010	15:21	28.828752	-88.366687	250			3	J	0	
06-17-2010_Brooks McCall	BM96	BM960109-01	6/19/2010	15:24	28.828752	-88.366687	180			3	J	0	
06-17-2010_Brooks McCall	BM96	BM960111-01	6/19/2010	15:32	28.828752	-88.366687	2			14		0	
06-17-2010_Brooks McCall	BM97	BM970101-01	6/19/2010	16:54	28.802875	-88.438483	1276			3	J	0	
06-17-2010_Brooks McCall	BM97	BM970103-01	6/19/2010	17:09	28.802875	-88.438483	999			1	J	0	
06-17-2010_Brooks McCall	BM97	BM970105-01	6/19/2010	17:15	28.802875	-88.438483	899			1	J	0	
06-17-2010_Brooks McCall	BM97	BM970107-01	6/19/2010	17:23	28.802875	-88.438483	750			1	J	0	
06-17-2010_Brooks McCall	BM97	BM970108-01	6/19/2010	17:34	28.802875	-88.438483	500			1	J	0	
06-17-2010_Brooks McCall	BM97	BM970109-01	6/19/2010	17:47	28.802875	-88.438483	200			1	J	0	
06-17-2010_Brooks McCall	BM97	BM970110-01	6/19/2010	17:49	28.802875	-88.438483	160			1	J	1	J
06-17-2010_Brooks McCall	BM97	BM970111-01	6/19/2010	17:57	28.802875	-88.438483	2			17		0	
06-17-2010_Brooks McCall	BM98	BM980101-01	6/19/2010	19:18	28.778050	-88.391312	1370			1	J	0	
06-17-2010_Brooks McCall	BM98	BM980103-01	6/19/2010	19:27	28.778050	-88.391312	1199			7	J	0	
06-17-2010_Brooks McCall	BM98	BM980105-01	6/19/2010	19:31	28.778050	-88.391312	1139			1	J	6	J
06-17-2010_Brooks McCall	BM98	BM980107-01	6/19/2010	19:38	28.778050	-88.391312	1030			0		0	
06-17-2010_Brooks McCall	BM98	BM980108-01	6/19/2010	20:01	28.778050	-88.391312	489			1	J	0	
06-17-2010_Brooks McCall	BM98	BM980109-01	6/19/2010	20:13	28.778050	-88.391312	200			1	J	0	
06-17-2010_Brooks McCall	BM98	BM980110-01	6/19/2010	20:19	28.778050	-88.391312	75			1	J	2	J
06-17-2010_Brooks McCall	BM98	BM980111-01	6/19/2010	20:23	28.778050	-88.391312	2			22		0	
06-17-2010_Brooks McCall	BM99	BM990101-01	6/19/2010	21:39	28.762563	-88.381593	1411			1	J	0	
06-17-2010_Brooks McCall	BM99	BM990103-01	6/19/2010	21:53	28.762563	-88.381593	1149			0		0	
06-17-2010_Brooks McCall	BM99	BM990105-01	6/19/2010	22:00	28.762563	-88.381593	1024			1	J	0	
06-17-2010_Brooks McCall	BM99	BM990107-01	6/19/2010	22:14	28.762563	-88.381593	749			0		0	
06-17-2010_Brooks McCall	BM99	BM990108-01	6/19/2010	22:25	28.762563	-88.381593	500			0		0	
06-17-2010_Brooks McCall	BM99	BM990109-01	6/19/2010	22:37	28.762563	-88.381593	250			10		0	
06-17-2010_Brooks McCall	BM99	BM990110-01	6/19/2010	22:41	28.762563	-88.381593	175			1	J	0	
06-17-2010_Brooks McCall	BM99	BM990111-01	6/19/2010	22:48	28.762563	-88.381593	2			4	J	0	
06-23-2010_Brooks McCall	BM100	BM1000101-01	6/23/2010	15:12	28.696507	-88.384957	1593			1	J	0	
06-23-2010_Brooks McCall	BM100	BM1000101-03	6/23/2010	15:12	28.696507	-88.384957	1593			1	J	0	
06-23-2010_Brooks McCall	BM100	BM1000104-01	6/23/2010	15:35	28.696507	-88.384957	1149						
06-23-2010_Brooks McCall	BM100	BM1000105-01	6/23/2010	15:48	28.696507	-88.384957	899			1	J	0	
06-23-2010_Brooks McCall	BM100	BM1000107-01	6/23/2010	15:55	28.696507	-88.384957	749			0		0	
06-23-2010_Brooks McCall	BM100	BM1000108-01	6/23/2010	16:07	28.696507	-88.384957	500			0		0	
06-23-2010_Brooks McCall	BM100	BM1000109-01	6/23/2010	16:17	28.696507	-88.384957	251			0		0	
06-23-2010_Brooks McCall	BM100	BM1000110-01	6/23/2010	16:24	28.696507	-88.384957	100			0		0	
06-23-2010_Brooks McCall	BM100	BM1000111-01	6/23/2010	16:29	28.696507	-88.384957	2			1	J	0	
06-23-2010_Brooks McCall	BM101	BM1010101-01	6/23/2010	17:56	28.693455	-88.366730	1614			0		0	
06-23-2010_Brooks McCall	BM101	BM1010103-01	6/23/2010	18:21	28.693455	-88.366730	1149			0		0	
06-23-2010_Brooks McCall	BM101	BM1010105-01	6/23/2010	18:40	28.693455	-88.366730	900						
06-23-2010_Brooks McCall	BM101	BM1010107-01	6/23/2010	18:47	28.693455	-88.366730	750			0		0	
06-23-2010_Brooks McCall	BM101	BM1010108-01	6/23/2010	18:59	28.693455	-88.366730	500			0		0	
06-23-2010_Brooks McCall	BM101	BM1010109-01	6/23/2010	19:09	28.693455	-88.366730	250			0		0	
06-23-2010_Brooks McCall	BM101	BM1010110-01	6/23/2010	19:16	28.693455	-88.366730	100			0		0	
06-23-2010_Brooks McCall	BM101	BM1010111-01	6/23/2010	19:20	28.693455	-88.366730	2			0		0	
06-23-2010_Brooks McCall	BM102	BM1020101-01	6/23/2010	20:57	28.715060	-88.371377	1581			0		0	
06-23-2010_Brooks McCall	BM102	BM1020105-01	6/23/2010	21:19	28.715060	-88.371377	1149			0		0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-23-2010_Brooks McCall	BM102	BM1020107-01	6/23/2010	21:25	28.715060	-88.371377	1050			0		0	
06-23-2010_Brooks McCall	BM102	BM1020108-01	6/23/2010	21:39	28.715060	-88.371377	750			0		0	
06-23-2010_Brooks McCall	BM102	BM1020109-01	6/23/2010	21:51	28.715060	-88.371377	500			0		0	
06-23-2010_Brooks McCall	BM102	BM1020110-01	6/23/2010	22:02	28.715060	-88.371377	250			0		0	
06-23-2010_Brooks McCall	BM102	BM1020111-01	6/23/2010	22:12	28.715060	-88.371377	3			0		0	
06-23-2010_Brooks McCall	BM103	BM1030101-01	6/24/2010	12:22	28.740107	-88.387755	1479			0		0	
06-23-2010_Brooks McCall	BM103	BM1030103-01	6/24/2010	12:35	28.740107	-88.387755	1249			0		2	J
06-23-2010_Brooks McCall	BM103	BM1030105-01	6/24/2010	12:40	28.740107	-88.387755	1154			19		500	
06-23-2010_Brooks McCall	BM103	BM1030107-01	6/24/2010	12:44	28.740107	-88.387755	1099			0		0	
06-23-2010_Brooks McCall	BM103	BM1030109-01	6/24/2010	13:11	28.740107	-88.387755	500			1	J	10	
06-23-2010_Brooks McCall	BM103	BM1030110-01	6/24/2010	13:23	28.740107	-88.387755	250			0		0	
06-23-2010_Brooks McCall	BM103	BM1030111-01	6/24/2010	13:31	28.740107	-88.387755	50			0		0	
06-23-2010_Brooks McCall	BM103	BM1030112-01	6/24/2010	13:34	28.740107	-88.387755	2			0		0	
06-23-2010_Brooks McCall	BM104	BM1040101-01	6/24/2010	15:30	28.738168	-88.417780	1494			0		0	
06-23-2010_Brooks McCall	BM104	BM1040103-01	6/24/2010	15:46	28.738168	-88.417780	1224			0		0	
06-23-2010_Brooks McCall	BM104	BM1040105-01	6/24/2010	15:51	28.738168	-88.417780	1159			7		1000	
06-23-2010_Brooks McCall	BM104	BM1040107-01	6/24/2010	15:54	28.738168	-88.417780	1109			6		900	
06-23-2010_Brooks McCall	BM104	BM1040109-01	6/24/2010	15:58	28.738168	-88.417780	1049			0		0	
06-23-2010_Brooks McCall	BM104	BM1040111-01	6/24/2010	16:24	28.738168	-88.417780	500			0		31	
06-23-2010_Brooks McCall	BM104	BM1040112-01	6/24/2010	16:46	28.738168	-88.417780	3			0		0	
06-23-2010_Brooks McCall	BM105	BM1050101-01	6/24/2010	18:07	28.743882	-88.438368	1454			0		0	
06-23-2010_Brooks McCall	BM105	BM1050105-01	6/24/2010	18:26	28.743882	-88.438368	1110			0		0	
06-23-2010_Brooks McCall	BM105	BM1050107-01	6/24/2010	18:37	28.743882	-88.438368	899			0		0	
06-23-2010_Brooks McCall	BM105	BM1050108-01	6/24/2010	18:45	28.743882	-88.438368	750			0		0	
06-23-2010_Brooks McCall	BM105	BM1050109-01	6/24/2010	19:02	28.743882	-88.438368	499			0		0	
06-23-2010_Brooks McCall	BM105	BM1050110-01	6/24/2010	19:13	28.743882	-88.438368	250						
06-23-2010_Brooks McCall	BM105	BM1050111-01	6/24/2010	19:26	28.743882	-88.438368	2			0		0	
06-23-2010_Brooks McCall	BM106	BM1060101-01	6/24/2010	20:53	28.729300	-88.416593	1520			0		0	
06-23-2010_Brooks McCall	BM106	BM1060103-01	6/24/2010	21:11	28.729300	-88.416593	1199			0		0	
06-23-2010_Brooks McCall	BM106	BM1060105-01	6/24/2010	21:14	28.729300	-88.416593	1149			13		560	
06-23-2010_Brooks McCall	BM106	BM1060107-01	6/24/2010	21:19	28.729300	-88.416593	1079			1	J	470	
06-23-2010_Brooks McCall	BM106	BM1060109-01	6/24/2010	21:41	28.729300	-88.416593	600			0		0	
06-23-2010_Brooks McCall	BM106	BM1060110-01	6/24/2010	21:57	28.729300	-88.416593	225			0		0	
06-23-2010_Brooks McCall	BM106	BM1060111-01	6/24/2010	22:03	28.729300	-88.416593	81			0		0	
06-23-2010_Brooks McCall	BM106	BM1060112-01	6/24/2010	22:07	28.729300	-88.416593	2			1	J	0	
06-23-2010_Brooks McCall	BM107	BM1070101-01	6/25/2010	12:27	28.729640	-88.390192	1538			0		0	
06-23-2010_Brooks McCall	BM107	BM1070103-01	6/25/2010	12:45	28.729640	-88.390192	1199			0		0	
06-23-2010_Brooks McCall	BM107	BM1070105-01	6/25/2010	12:48	28.729640	-88.390192	1159			4	J	290	
06-23-2010_Brooks McCall	BM107	BM1070107-01	6/25/2010	12:51	28.729640	-88.390192	1130			5	J	620	
06-23-2010_Brooks McCall	BM107	BM1070109-01	6/25/2010	13:01	28.729640	-88.390192	939			0		20	
06-23-2010_Brooks McCall	BM107	BM1070110-01	6/25/2010	13:27	28.729640	-88.390192	500			0		0	
06-23-2010_Brooks McCall	BM107	BM1070111-01	6/25/2010	13:41	28.729640	-88.390192	150			0		0	
06-23-2010_Brooks McCall	BM107	BM1070112-01	6/25/2010	13:47	28.729640	-88.390192	2			0		0	
06-23-2010_Brooks McCall	BM108	BM1080101-01	6/25/2010	15:21	28.721428	-88.386297	1566			0		0	
06-23-2010_Brooks McCall	BM108	BM1080103-01	6/25/2010	15:42	28.721428	-88.386297	1199			1	J	0	
06-23-2010_Brooks McCall	BM108	BM1080105-01	6/25/2010	15:45	28.721428	-88.386297	1153			2	J	150	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
06-23-2010_Brooks McCall	BM108	BM1080107-01	6/25/2010	15:49	28.721428	-88.386297	1100			0		0	
06-23-2010_Brooks McCall	BM108	BM1080109-01	6/25/2010	15:57	28.721428	-88.386297	950			0		0	
06-23-2010_Brooks McCall	BM108	BM1080110-01	6/25/2010	16:19	28.721428	-88.386297	499			0		0	
06-23-2010_Brooks McCall	BM108	BM1080111-01	6/25/2010	16:30	28.721428	-88.386297	250			2	J	0	
06-23-2010_Brooks McCall	BM108	BM1080112-01	6/25/2010	16:40	28.721428	-88.386297	2			3	J	0	
06-23-2010_Brooks McCall	BM109	BM1090101-01	6/25/2010	17:59	28.732040	-88.376750	1541			1	J	0	
06-23-2010_Brooks McCall	BM109	BM1090103-01	6/25/2010	18:15	28.732040	-88.376750	1249			0		0	
06-23-2010_Brooks McCall	BM109	BM1090105-01	6/25/2010	18:22	28.732040	-88.376750	1120			9		720	
06-23-2010_Brooks McCall	BM109	BM1090107-01	6/25/2010	18:25	28.732040	-88.376750	1079			4	J	51	
06-23-2010_Brooks McCall	BM109	BM1090109-01	6/25/2010	18:32	28.732040	-88.376750	950			4	J	14	
06-23-2010_Brooks McCall	BM109	BM1090110-01	6/25/2010	18:41	28.732040	-88.376750	749			5	J	160	
06-23-2010_Brooks McCall	BM109	BM1090111-01	6/25/2010	19:11	28.732040	-88.376750	250			0		0	
06-23-2010_Brooks McCall	BM109	BM1090112-01	6/25/2010	19:21	28.732040	-88.376750	2			1	J	0	
06-23-2010_Brooks McCall	BM110	BM1100101-01	6/25/2010	20:55	28.711495	-88.407430	1552			0		0	
06-23-2010_Brooks McCall	BM110	BM1100105-01	6/25/2010	21:17	28.711495	-88.407430	1149			0		0	
06-23-2010_Brooks McCall	BM110	BM1100107-01	6/25/2010	21:27	28.711495	-88.407430	1020			0		0	
06-23-2010_Brooks McCall	BM110	BM1100108-01	6/25/2010	21:40	28.711495	-88.407430	750			0		0	
06-23-2010_Brooks McCall	BM110	BM1100109-01	6/25/2010	21:51	28.711495	-88.407430	500			1	J	0	
06-23-2010_Brooks McCall	BM110	BM1100111-01	6/25/2010	22:03	28.711495	-88.407430	250			0		0	
06-23-2010_Brooks McCall	BM110	BM1100112-01	6/25/2010	22:14	28.711495	-88.407430	2						
06-23-2010_Brooks McCall	BM111	BM1110101-01	6/25/2010	23:45	28.756102	-88.561648	1405			1	J	0	
06-23-2010_Brooks McCall	BM111	BM1110105-01	6/25/2010	23:59	28.756102	-88.561648	1149			1	J	0	
06-23-2010_Brooks McCall	BM111	BM1110107-01	6/25/2010	0:16	28.756102	-88.561648	899			2	J	0	
06-23-2010_Brooks McCall	BM111	BM1110108-01	6/25/2010	0:45	28.756102	-88.561648	249			0		0	
06-23-2010_Brooks McCall	BM111	BM1110109-01	6/25/2010	0:54	28.756102	-88.561648	2			7		8	J
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-01	7/5/2010	14:32	28.741400	-88.346283	1538			1	J	0	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-02	7/5/2010	14:48	28.741400	-88.346283	1299			2	J	0	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-03	7/5/2010	14:51	28.741400	-88.346283	1259			12		0	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-04	7/5/2010	14:56	28.741400	-88.346283	1174			1	J	160	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-05	7/5/2010	14:57	28.741400	-88.346283	1167			2	J	77	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-06	7/5/2010	15:01	28.741400	-88.346283	1099			1	J	0	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-07	7/5/2010	15:27	28.741400	-88.346283	499			1	J	7	J
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-08	7/5/2010	15:37	28.741400	-88.346283	300			2	J	0	
07-05-2010_Brooks McCall	BM112	SW-20100705-BM011-09	7/5/2010	15:50	28.741400	-88.346283	2			2	J	10	J
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-11	7/5/2010	17:24	28.745800	-88.347750	1527			4	J	0	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-12	7/5/2010	17:38	28.745800	-88.347750	1269			1	J	0	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-13	7/5/2010	17:40	28.745800	-88.347750	1239			2	J	0	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-14	7/5/2010	17:42	28.745800	-88.347750	1222			0		330	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-15	7/5/2010	17:44	28.745800	-88.347750	1199			4	J	43	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-16	7/5/2010	17:55	28.745800	-88.347750	999			9		0	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-17	7/5/2010	18:17	28.745800	-88.347750	500			8		0	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-18	7/5/2010	18:25	28.745800	-88.347750	300			7		2	J
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-19	7/5/2010	18:34	28.745800	-88.347750	50			5	J	0	
07-05-2010_Brooks McCall	BM113	SW-20100705-BM011-20	7/5/2010	18:36	28.745800	-88.347750	3			46		5	J
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-22	7/5/2010	20:47	28.701694	-88.336973	1468			1	J	0	
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-23	7/5/2010	20:48	28.701694	-88.336973	1449			1	J	0	

Cruise ID	Station ID	Sample ID	Sample Date	Time Collected	Latitude	Longitude	Sample Depth	TPH (ppm)	TPH (ppm) - flag	TPH (ppb)	TPH - flag	TVOA (ppb)	TVOA - flag
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-24	7/5/2010	20:59	28.701694	-88.336973	1249			1	J	0	
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-25	7/5/2010	21:12	28.701694	-88.336973	999			0		0	
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-26	7/5/2010	21:12	28.701694	-88.336973	999			0		0	
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-27	7/5/2010	21:34	28.701694	-88.336973	500			0		0	
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-28	7/5/2010	21:43	28.701694	-88.336973	299			0		0	
07-05-2010_Brooks McCall	BM114	SW-20100705-BM011-29	7/5/2010	21:53	28.701694	-88.336973	50			0		0	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-01	7/6/2010	12:26	28.722317	-88.357567	1576			1	J	0	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-02	7/6/2010	12:45	28.722317	-88.357567	1239			1	J	0	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-03	7/6/2010	12:47	28.722317	-88.357567	1204			1	J	11	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-04	7/6/2010	12:49	28.722317	-88.357567	1179			1	J	0	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-05	7/6/2010	12:58	28.722317	-88.357567	999			1	J	200	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-06	7/6/2010	13:20	28.722317	-88.357567	499			1	J	0	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-07	7/6/2010	13:28	28.722317	-88.357567	300			1	J	0	
07-05-2010_Brooks McCall	BM115	SW-20100706-BM011-08	7/6/2010	13:37*	28.722317	-88.357567	50			1	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-10	7/6/2010	15:27	28.736767	-88.346150	1551			3	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-11	7/6/2010	15:43	28.736767	-88.346150	1239			2	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-12	7/6/2010	15:45	28.736767	-88.346150	1218			4	J	610	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-13	7/6/2010	15:48	28.736767	-88.346150	1169			1	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-14	7/6/2010	15:56	28.736767	-88.346150	1000			3	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-15	7/6/2010	16:18	28.736767	-88.346150	500			1	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-16	7/6/2010	16:26	28.736767	-88.346150	300			3	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-17	7/6/2010	16:36	28.736767	-88.346150	50			5	J	0	
07-05-2010_Brooks McCall	BM116	SW-20100706-BM011-18	7/6/2010	16:38	28.736767	-88.346150	2			5	J	0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-20	7/6/2010	18:24	28.742523	-88.352078	1534			0		0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-21	7/6/2010	18:37	28.742523	-88.352078	1289			0		0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-22	7/6/2010	18:37	28.742523	-88.352078	1290			0		0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-23	7/6/2010	18:39	28.742523	-88.352078	1259			0		410	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-24	7/6/2010	18:42	28.742523	-88.352078	1230			0		0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-25	7/6/2010	18:53	28.742523	-88.352078	999			1	J	0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-26	7/6/2010	19:13	28.742523	-88.352078	500			0		0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-27	7/6/2010	19:21	28.742523	-88.352078	299			0		0	
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-28	7/6/2010	19:30	28.742523	-88.352078	50			4	J	6	J
07-05-2010_Brooks McCall	BM117	SW-20100706-BM011-29	7/6/2010	19:33	28.742523	-88.352078	2						