#### AMBIENT AIR MONITORING DATA REPORT (REVISED)

#### TAYLORVILLE MGP TAYLORVILLE, ILLINOIS

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#### TABLE OF CONTENTS

		Pag	<u>e</u>
Execu	itive Su	mmaryii	i
1.0	Introd	uction	1
	1.1	Project Description	1
2.0	Backg	ground	3
	2.1	Site Description	
	2.2	Target Compounds and Air Quality Goals	3
	2.3	Air Monitoring Program	
		2.3.1 Meteorological Station	
		<ul><li>2.3.2 Real-Time Monitoring</li></ul>	
		2.3.4 Sampling Network and Rationale	
		2.3.5 Air Sampling Timeline	
3.0	Samp	ling and Analytical Procedures	б
210	3.1	Sampling Procedure	
		3.1.1 Meteorological Station	
		3.1.2 Real-Time Monitoring	
		3.1.3 Time-Integrated Stationary Monitoring	
	3.2	Analytical Procedures	3
4.0	Equip	ment Calibration	
	4.1	Real-Time Monitoring Equipment Calibration	
	4.2	4.1.1 Photo-ionization Detector and Mini-Ram	
	4.2	Time-Integrated Monitoring Equipment4.2.1VOC Sampling Equipment Calibration	
5.0	C		
5.0	Samp	le Results	
	5.1 5.2	Remedial Sampling Air Monitoring Results	
	5.3	Conclusions	
6.0	Ouali	ty Assurance/Quality Control	2
	6.1	Accuracy	
	6.2	Completeness 12	
	6.3	Representativeness	3
7.0	Data l	Reduction and Validation Procedures14	4
8.0	Intern	al Quality Control Checks	б
	8.1	Air Data Quality Assurance and Control Measures	
		8.1.1 Field Data Quality Assurance and Control	
		8.1.2 Internal Quality Control Checks	
		8.1.3       Performance and System Audits       10         8.1.4       Corrective Actions       17	
			1



Table of Contents continued

#### FIGURES

Figure 1 – Air Monitoring Sampling Locations

Figure 2 – Benzene Running Average Graph

Figure 3 – Naphthalene Running Average Graph

#### TABLES

- Table 1 Project Ambient Air Quality Standards
- Table 2 Risk-based Air Concentration Calculations
- Table 3 Remediation Time-Integrated Air Monitoring Data Summary

#### APPENDICES

- Appendix A Real-Time Air Monitoring Field Data
- Appendix B Time-Integrated Field Data
- Appendix C Real-Time Air Monitoring Instrumentation Calibration Records
- Appendix D Meteorological Monitoring Data
- Appendix E Analytical Results (on CD)
- Appendix F Data Validation Reports

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#### **EXECUTIVE SUMMARY**

This report is intended to summarize the results of the ambient air monitoring conducted during remedial activities at the Taylorville MGP Site. The remedial activities involved a series of subsurface chemical injections designed to treat impacted soil. The injections occurred from 2010 to 2012 and included the following events:

- August 19, 2010 through September 11, 2010
- November 10, 2010 through November 18, 2010
- March 16, 2011 through March 23, 2011
- September 27, 2011 through October 6, 2011
- December 6, 2011 through December 15, 2011
- February 2, 2012 to March 7, 2012

The report includes the procedures and results associated with the air-monitoring program, and does not address the remedial activities that occurred on the Site.

The Ambient Air Monitoring Plan (AAMP) was developed as part of the remedial action plan for the Taylorville MGP Site. The primary goal of the AAMP was to monitor and document air quality at the Site perimeter during the remedial action. In developing the AAMP, an important step was to develop short-term air concentration action levels to minimize impacts to local air quality. In the AAMP, short-term air concentration action levels were specifically established for benzene, naphthalene and  $PM_{10}$  based on their potential to impact local air quality during the remedial action. The evaluation of real-time monitoring results during the remedial action for volatile organic compounds (VOCs), benzene, and  $PM_{10}$ , was conducted to evaluate short-term (daily) exposures. Time-integrated sampling was conducted to provide data for evaluation of long-term impacts to local air quality.

The short-term action levels for this project were developed to establish short-term exposure limits for site workers and provide the remediation contractor with real-time indications of air quality impacts that may contribute to long-term exposures to site workers or the local populace.

The real-time and time-integrated data were used to evaluate the air quality along the perimeter of the site during the remedial activities. The results of the daily real-time air monitoring are presented in Appendix A. The time-integrated data for benzene, naphthalene and  $PM_{10}$  indicated that the average concentration for the duration of the remedial activities was below the PAAQS. The complete data summaries for the time-integrated monitoring stations are included in Table 3 of this report.



Based upon the results of the time-integrated sampling data collected during the remedial action, the measured air quality concentrations of benzene, naphthalene and  $PM_{10}$  were below risk-based action levels established for this project.



#### **1.0 INTRODUCTION**

#### **1.1 PROJECT DESCRIPTION**

This Ambient Air Monitoring Data Report (Report) was prepared for Ameren for the Taylorville manufactured gas plant (MGP) remedial action. The former MGP was constructed in 1892 by the Taylorville Gas and Electric Company. Carbureted water gas was produced at the site. The gas plant operated for approximately 40 years before closing in 1932. Most of the above ground structures were removed and the subsurface structures were filled and left in place

In 1987, most of the below grade structures and contamination in unsaturated soil were removed. Approximately 9,000 cubic yards (yd3) of MGP-impacted soil was excavated to an average depth of 10-feet across a large portion of the site. Approximately 3 feet of sediment was removed from a drainage ditch south of the site. In 1995, a groundwater pump and treat system began operation. The system pumps approximately 125 gallons per minute from two groundwater extraction wells, filters the water through three bag filters and two activated carbon adsorption units before discharging to the Seaman Estate Pond. (Barr, 2004). Remaining contamination was investigated in 2002. Two impacted areas were found, a fuel oil area and a MGP residual (light coal tar) area with an average depth of 25 to 40 feet bgs, with a few minor lenses of fuel oil residual to a depth of 60 feet bgs. The contaminated fuel oil area is along the northern half of the site, and contains approximately 9,400 yd<sup>3</sup>. The MGP residual contaminated area is along the contamination remains near the groundwater pump and treat system extraction wells.

The primary objective of the remedial action was to reduce the mass of contamination in the fuel oil and MGP-residual areas using in-situ chemical oxidation. The goal was to reduce the contaminant mass to a level that will meet the groundwater cleanup objectives for the site.

The proposed remedial action activities planned for the site were to inject Catalyzed Hydrogen Peroxide (CHP) into the treatment area. The reagent was injected into injection points in the area east of the east extraction well.

Civil & Environmental Consultants, Inc. (CEC) of St. Louis, Missouri was contracted by Ameren Services (Ameren) to prepare an Ambient Air Monitoring Plan (AAMP) and to conduct perimeter air monitoring during the remedial action in accordance with the approved AAMP. The AAMP was prepared separately from the site personnel health and safety monitoring plans. The primary purpose of the AAMP was to monitor air quality at the Site perimeter and document the impact, if any, to the local air quality for the surrounding community while the remedial action was performed. The report is intended to summarize the results of the real-time and timeintegrated air monitoring conducted during the injection activities that occurred during the following time periods:



- August 19, 2010 through September 11, 2010
- November 10, 2010 through November 18, 2010
- March 16, 2011 through March 23, 2011
- September 27, 2011 through October 6, 2011
- December 6, 2011 through December 15, 2011
- February 2, 2012 to March 7, 2012



#### 2.0 BACKGROUND

#### 2.1 SITE DESCRIPTION

The MGP Site is located in Taylorville, Illinois at 917 South Webster Street and is shown in Figure 1. The site is fenced to prevent public access. A groundwater pump and treat system is located on the site. The site is bordered to the north by private residences; to the east by South Webster Street and Manners Park; to the south by wooded property owned by Ameren and the Seaman Estate Subdivision and the Seaman Estate Pond; and to the west by railroad tracks. (Barr, 2004)

#### 2.2 TARGET COMPOUNDS AND AIR QUALITY GOALS

In accordance with the AAMP prepared for this project by CEC, a combination of real-time and time-integrated ambient air monitoring was conducted during the remedial activities. The primary purpose of the AAMP was to establish and document procedures to monitor air quality at the Site perimeter while the remedial action was performed.

Real-time monitoring during the remedial action for volatile organic compounds (VOCs), benzene, and respirable particulates with an aerodynamic diameter less than or equal to 10 microns ( $PM_{10}$ ), was conducted, and the results were used to evaluate short-term (daily) exposures and allow for abatement measures to occur in a timely manner. The time-integrated sampling was conducted to measure levels of Site target compounds in the ambient air, including benzene, ethylbenzene, toluene, xylene and naphthalene. Time-integrated sampling data was used to evaluate short-term exposure to air concentrations that potentially may have occurred during the remedial action.

#### 2.3 AIR MONITORING PROGRAM

The following subsections describe meteorological monitoring, real-time monitoring, the timeintegrated sampling program, sampling locations, background monitoring, air monitoring record keeping, and data evaluation procedures.

#### 2.3.1 Meteorological Station

A real-time meteorological station was used to measure and record ambient temperature, relative humidity, barometric pressure, wind direction, wind speed, and precipitation. The meteorological station was connected to a data acquisition system (DAQS), which recorded these meteorological parameters every 10 seconds and stored the average values for the various parameters at 15-minute intervals.

The integration of the meteorological data with the air monitoring data, specifically wind direction, facilitated the comparison of background and downwind real-time air monitoring results in order to identify potential Site sources of air emissions.



The meteorological station was located at the Site as shown in Figure 1. This location had fewer obstructions to affect meteorological measurements. Final determination of the meteorological station positioning within this area of the Site was made during project mobilization. The meteorological instruments were mounted on a 10-foot tripod such that measurements were made at approximately three meters above the ground surface.

#### 2.3.2 Real-Time Monitoring

Real-time monitoring during the remedial action for VOCs,  $PM_{10}$ , and odor intensities was used to evaluate short-term (daily) exposures and allowed for abatement measures to occur in a timely manner. The real-time monitoring identified if air quality at the project perimeter was being affected by the remedial work and if emission abatement actions were necessary to reduce remedial action-related impacts to air quality levels. The real-time air monitoring field data collected using hand-held instrumentation is presented in Appendix A.

#### 2.3.3 Time-Averaged Monitoring

Time-integrated sampling was conducted to measure levels of target compounds in the ambient air, including VOCs and naphthalene. Time-integrated sampling data were used to evaluate long-term exposure to air concentrations of benzene and naphthalene and compared against the PAAQS. The results of the time-integrated air monitoring are summarized in Table 3. The time-integrated field data are presented in Appendix B.

#### 2.3.4 Sampling Network and Rationale

#### 2.3.4.1 Meteorological Station

The meteorological station was placed on the ground surface on the Site approximately 10 feet off the ground. This location placed the meteorological sensors well above potential obstructions or interferences.

#### 2.3.4.2 Real-Time Portable Monitoring

The real-time air monitoring was conducted using hand-held instrumentation. The hand-held instruments used for real-time air monitoring included a Rae Systems ppb Photo-ionization Detector (PID) for the detection of VOCs and a MIE Mini Ram dust monitor for the detection of  $PM_{10}$ . The real-time monitoring was conducted along the perimeter of the project site adjacent to the time-integrated sampling locations and at additional sampling locations as warranted based on the location of remedial activities. The field logs for real-time monitoring are included in Appendix A.

Odor intensity monitoring using a semi-quantitative odor monitoring technique (ASTM Method 544-99) was also conducted periodically at each AMS and at other locations as warranted during the remedial action. On an hourly basis, or in response to remedial activities during the workday, site perimeter odor monitoring was conducted to assess odor intensity. Monitoring



personnel notified the Site superintendent if a persistent odor intensity level of 4 was detected. Based upon currently available technical literature, a persistent odor intensity level of 4 would generally result in community complaints. The odor intensities documented during the remedial action are presented in the field logs.

#### 2.3.4.3 Time-Integrated Air Monitoring

Sampling media types included regulated SUMMA® canisters to determine the presence, if any, of VOCs in accordance with USEPA Method TO-15. Additional VOC and naphthalene samples were collected using Radiello 130 passive type samplers. Air Toxics performed the analysis via GC/MS Application #48. Each tube was extracted with 2.0 ml of carbon disulfide and the extract was analyzed by GC/MS in the full scan mode.

The time-integrated ambient air monitors were placed along the perimeter of the project site. The stations were identified as AMS-1 thru AMS-4, and their locations are designated in Figure 1.

Four sampling stations were located around the site perimeter, labeled Air Monitoring Station 1 (AMS-1) through AMS-4. AMS-1D was collocated with station AMS-1 for duplicate sampling. Duplicate samples from AMS-1D were collected at a rate of once every week for the project duration. Air monitoring locations were established in the field based on site conditions, work areas and activities and historical meteorological conditions.

#### 2.3.5 Air Sampling Timeline

Time-integrated sampling was performed using air sampling equipment appropriate for the quantitative measurement of VOCs. Time-integrated sampling was conducted throughout the remedial action when remedial activities were anticipated.

The real-time and time-integrated air monitoring was conducted during the injection activities that occurred during the following time periods:

- August 19, 2010 through September 11, 2010
- November 10, 2010 through November 18, 2010
- March 16, 2011 through March 23, 2011
- September 27, 2011 through October 6, 2011
- December 6, 2011 through December 15, 2011
- February 2, 2012 to March 7, 2012



#### 3.0 SAMPLING AND ANALYTICAL PROCEDURES

To monitor potential emissions from the Site during the remedial action, real-time monitoring and time-integrated air monitoring were conducted at each AMS established for this project. The monitoring stations were located along the Site perimeter fence. Their approximate locations are shown in Figure 1. Four primary time-integrated air monitoring locations were selected and were placed to provide representative sample collection.

The monitors used in this program for the real-time monitoring network were selected to monitor VOCs and  $PM_{10}$  directly. The real-time  $PM_{10}$  monitoring was conducted using the Personal Data Ram. The Data Ram has a particle size range of 0.35 to 20 microns (um) and a concentration range from 1 to 10,000 micrograms per cubic meter (ug/m3).

The monitoring for total VOCs was conducted using a Rae Systems PID. The ppb Rae was calibrated with isobutylene in accordance with the manufacturer's guidance. The detection limit for total VOCs varied, but was estimated to be in the range of 10 parts per billion (ppb) depending upon operating conditions.

In order to evaluate air quality levels generated by Site activities, the monitoring network was coupled with the meteorological station to identify background (upwind) and downwind (potential Site contribution) locations. The wind direction was averaged by the system over 15-minute intervals. The calculation of Site-generated emissions was accomplished by the subtraction of background parameter measurements from the downwind parameter measurements. If the results of the calculation of Site-generated emissions indicated an exceedance of the ambient air action levels, the field technician conducting the real-time monitoring alerted Site management staff of the exceedance. Action level abatement options were implemented based on the concentration of the parameter and the action level prompted by that concentration.

#### 3.1 SAMPLING PROCEDURE

The ambient air monitoring included monitoring of air quality and sampling for target compounds using both real-time monitoring instruments and time-integrated sampling equipment. Real-time air monitoring was used to compare downwind ambient conditions to background conditions. Any measured increases in the levels of monitored parameters from the downwind level to the background level were compared to the established ambient air action levels. When the wind speed was determined to be less than a sustained 5 mph (considered to be meteorologically stable), or the wind direction was variable, all monitoring results were directly compared to the action levels. The real-time identification of VOC and  $PM_{10}$  concentrations during the remedial action was used to evaluate short-term (daily) exposures and allowed for emission abatement measures to occur in a timely manner. Time-integrated sampling data was used to evaluate potential risks associated with long-term (project duration) exposure to air quality levels that may have occurred during the remedial action.



The following subsections describe meteorological monitoring, real-time monitoring, the timeintegrated sampling program, sampling locations, background monitoring, air monitoring record keeping, and data evaluation procedures.

#### 3.1.1 Meteorological Station

A real-time meteorological station was used to measure and record ambient temperature, relative humidity, barometric pressure, wind direction, and wind speed. The meteorological station was connected to a data acquisition system (DAQS), which recorded these meteorological parameters every 10 seconds and stored the average values for the various parameters at 15-minute intervals. The complete meteorological data collected during this project are presented in Appendix D.

The integration of the meteorological data with the air monitoring data, specifically wind direction, facilitated the comparison of background and downwind real-time air monitoring results in order to identify potential Site sources of air emissions.

#### 3.1.2 Real-Time Monitoring

Real-time air monitoring was accomplished for VOCs and  $PM_{10}$  at four primary locations during the initial phase of the remediation. The real-time monitoring was conducted hourly during those days when remedial activities were planned at each of the real-time monitoring stations by CEC technicians using hand-held instrumentation. Additional detail concerning the real-time monitoring is presented in the following subsections.

The real-time field sampling equipment was calibrated daily and maintained in proper working condition according to the manufacturer's specifications and the Standard Operating Procedures (SOPs) presented in the AAMP.

#### 3.1.3 Time-Integrated Stationary Monitoring

Time-integrated sampling was performed using air sampling equipment appropriate for the quantitative measurement of VOCs and naphthalene. Sampling was conducted once per week throughout the remedial action.

VOCs were sampled using sub-atmospheric sampling techniques or passive sampling media in accordance with EPA Method TO-15 (Determination of Volatile Organic Compounds in Ambient Air) as described in the Compendium of Methods for Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b). The TO-15 equipment included 6-liter stainless steel SUMMA® canisters and flow regulators and Radiello 130 passive samplers.

Sample collection and sample media change-out was conducted approximately every third day beginning with the AMS downwind of the Site perimeter. The AMS immediately downwind of the scheduled work area was changed first and the upwind AMS changed last.



Samples were packaged and shipped to the analytical laboratory. Samples recovered from the sampling equipment on weekends were preserved on site until the following business day when they were shipped to the laboratory.

The field sampling equipment was calibrated daily and maintained in proper working condition according to the manufacturer's specifications and the SOPs provided in the AAMP. The manufacturer's operating instructions/manuals for each sampling instrument was kept in the Site field office during the remedial action.

#### 3.2 ANALYTICAL PROCEDURES

The analytical laboratory responsible for the analysis of the time-integrated samples was Air Toxics Laboratory. Air Toxics provided results for VOCs and naphthalene samples on a tenbusiness-day turnaround basis. The analytical sample results were used in calculating the air concentration for each compound.

Air samples collected at the Site were handled in accordance with the preservation and holding times specified by each respective method. All samples were handled under appropriate chain-of-custody (COC) procedures. The following subsections provide a brief description of the method of analysis.



#### 4.0 EQUIPMENT CALIBRATION

#### 4.1 REAL-TIME MONITORING EQUIPMENT CALIBRATION

#### 4.1.1 Photo-ionization Detector and Mini-Ram

The PID was calibrated before use each morning using a 10-ppm isobutylene calibration gas. The calibration results were recorded onto a dedicated field log sheet for PID calibrations. The MIE MiniRam was also calibrated daily using a filtered air sample to zero it prior to each use. Results from the MiniRam calibrations were also recorded onto a daily field calibration log for the instrument.

#### 4.2 TIME-INTEGRATED MONITORING EQUIPMENT

Calibrations for VOC sampling equipment were conducted as described below. Copies of the time-integrated monitoring equipment calibrations are presented in Appendix C of this report.

#### 4.2.1 VOC Sampling Equipment Calibration

SUMMA® (VOC) sampling canisters were attached to a mass flow control regulator to regulate the flow of air into the canister over a 72- hour period. The SUMMA® canisters were 6-liter passivated cans, and do not require calibration. The flow regulators were calibrated using a flow meter and a test canister. The regulators were calibrated by attaching the regulator to the open end of the digital flow meter, and the opposite end of the flow meter to the passivated canister. The canister was then opened until air began to flow through the regulator into the canister. The targeted flow rate was between 1.3 and 1.5 ml/min. for the regulator. The regulator was calibrated to the appropriate rate of sample collection using an Allen wrench to tighten or loosen the internal flow controller that regulates flow. The calibration value, along with the date and regulator number, was then entered into an electronic field data sheet.

The Radiello 130 passive samplers require no flow controllers or calibration procedures.



#### 5.0 SAMPLE RESULTS

#### 5.1 OVERVIEW

Results of the time-integrated air samples were compared to the PAAQS running average air quality goals that were calculated prior to the beginning of the removal action. The initial assessment was made of chemical compounds at the Site with regard to the potential carcinogenic health risks these chemicals may pose as a result of air emissions during a removal action. The assessment presumed that persons (children and adults) who live, work, or visit areas near the Site during the removal action could potentially be exposed to site contaminants released as air emissions. The assessment considered the following:

- Exposure was assumed to occur at the perimeter of the Site.
- Exposure was assumed to occur for as much as 24 hours per day for the duration of the removal action.
- The duration of the exposure is associated with the actual number of days during which remedial activities were conducted. Since the remedial activities occurred over several years and the duration of each injection event was only a few days, the duration exposure was determined to be the sum of the days in which injection activities actually occurred. For the six injection events this was determined to be 60 days of total injections.
- Chemicals of interest for air exposure at MGP sites include benzene and naphthalene.
- PM<sub>10</sub> as an indication of nuisance dust problems.

The benzene and naphthalene time-integrated air sampling results were compared to the riskbased air concentration calculated based on the project duration on a station-by-station basis. None of the stations exceeded the project running average risk-based project air concentrations for benzene or naphthalene. The project running average for  $PM_{10}$  was also compared on a station-by-station basis and none of the stations exceeded the PAAQS for  $PM_{10}$ .

#### 5.2 REMEDIAL SAMPLING AIR MONITORING RESULTS

The following are the results of the air monitoring at the site during remediation activities. Complete results are contained in Table 3 of this report. The sample results of the remediation time-integrated air monitoring are summarized below. The project running average for those compounds, which PAAQS were developed, were below their respective revised PAAQS.

Ave	rage Remedial Stations AMS- Taylorville	-1 thru AMS-				
PAAQS AMS-1 AMS-2 AMS-3 AMS-4						
Benzene (ug/m <sup>3</sup> )	56.9	10.50	17.39	22.12	11.03	
$\frac{PM_{10} (ug/m^3)}{150} = 150 < 50 < 50 < 50 < 50$						
Naphthalene (ug/m <sup>3</sup> )	13.06	< 0.645	< 0.549	< 0.739	< 0.576	



#### 5.3 CONCLUSIONS

The results of the time-integrated ambient air monitoring conducted during the remedial action at the Taylorville MGP Site indicate that the PAAQS established for this project were not exceeded.



#### 6.0 QUALITY ASSURANCE / QUALITY CONTROL

The overall quality assurance (QA) objective for the project was to develop and implement procedures that would provide reliable, defensible data that would meet the demands of the project. Standard operating procedures (SOPs) for sampling, chain-of-custody documentation, instrument calibration, laboratory analysis, reporting of data, and internal quality control (QC) are described in other sections of this report. The purpose of this section is to state the specifically-required QA objectives for accuracy, precision, completeness, and representativeness.

Environmental measurements have inherent limitations arising from equipment problems, procedural deviations, and changes in ambient conditions. Most environmental measurements are analyses made for extremely low concentrations of constituents, and are subject to chemical interferences, instrument limitations, and uncertainties that affect the accuracy of the determination. It is essential to reduce these variable factors so that the measurements accurately reflect the character of the sample collected.

Data gathered during the course of the remedial action were intended to meet the characteristics of accuracy, completeness and representativeness. These characteristics are described below.

#### 6.1 ACCURACY

The accuracy is defined as the closeness of agreement between an observed value and an accepted reference value. The difference between the observed value and the reference value includes components of both systematic error (bias) and random error. The accuracy of the real-time and time-integrated sampling equipment is demonstrated through single-point and multipoint calibrations. The real-time air monitoring equipment was calibrated according to the procedures presented in Table 6 of the AAMP. Full calibration weekly and continuing calibration checks were performed at the beginning and end of each sampling day. Calibration checks were within the  $\pm 20\%$  acceptance criteria established in the AAMP. The time-integrated sampling equipment utilized for this project did not require calibration. The pre- and post-flow rate checks conducted on the regulators used for the TO-15 sampling were conducted to verify that the regulator flow rate was between 1.3 and 1.5 ml/min. Prior to use, the flow rate was confirmed to be within these limits or corrective action was taken prior to placing the regulator in service.

The accuracy of the laboratory assesses the overall accuracy of their instruments and analytical methods (independent of sample or matrix effects) through the measurement of standards and materials of accepted reference value. Accuracy will vary from analysis to analysis because of individual sample and matrix effects. In an individual analysis, accuracy can be measured and expressed in terms of the recovery of surrogate compounds (organic analyses) or recovery of spiked compounds (inorganic analyses). This gives an indication of expected recovery for analytes tending to behave chemically like the spiked or surrogate compounds. During the data validation process discussed in detail in Section 7 of this report and in the Data Validation



Report presented in Appendix G, these criteria for the 10% of the samples validated were found to be within the acceptance criteria.

#### 6.2 COMPLETENESS

A measure of the amount of valid data obtained from a measurement system compared to the amount expected to be obtained under correct normal conditions. Based on the actual number of valid samples collected, a corresponding completeness percentage was calculated for each time-integrated sampling method. The completeness percentages are presented in the following table.

Tir	ne-integrated Sampling Taylorvill	Data Completeness Sum le MGP Site	nmary
Air Monitoring Station	Sampling Method	Completeness Percentage	Completeness Objective
AMS-1	TO-15/Passive	100%	90%
AMS-2	TO-15/Passive	100%	90%
AMS-3	TO-15/Passive	100%	90%
AMS-4	TO-15/Passive	100%	90%

#### 6.3 **REPRESENTATIVENESS**

Representativeness expresses the degree to which the data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, process condition, or an environmental condition. Representativeness is a qualitative parameter, which is dependent upon the proper design of the sampling program and the laboratory QC protocol.

The representativeness objectives were met through the application of and adherence to requirements set forth in the AAMP and QAPP for this project.



#### 7.0 DATA REDUCTION AND VALIDATION PROCEDURES

The laboratory, under the direction of its supervisory staff and Quality Assurance Officer, performed analytical data reduction and verification of chemical analyses. These individuals were responsible for assessing data quality and advising of any data that may be "qualified" or unusable. The procedures utilized by the laboratory during this verification process are described in the laboratory's quality manual contained in the appendix of this report. Following verification, the analytical data packages were forwarded to CEC for validation.

The CEC Quality Assurance Officer (or designee) evaluated the data packages after they were received from the laboratory. Ten percent of the analytical data were completely validated in accordance with the procedures presented in the USEPA guidance documents referenced below. Procedures used to validate the data were derived from the USEPA "National Functional Guidelines for Organic Data Review", October 1999, and "National Functional Guidelines for Inorganic Data Review", February 1994. The following elements were evaluated during the validation process:

- Preparation/extraction holding times
- Analysis holding times
- Instrument performance check
- Initial calibration
- Continuing calibration
- Blanks
- System monitoring compounds (surrogates)
- ICP interference check samples and serial dilutions
- Sample duplicates
- Matrix spikes/matrix spike duplicates
- Laboratory control samples
- Internal standards

During the validation process, supplemental qualifiers were assigned to the data. These qualifiers and their definitions are as follows:

U – The analyte was analyzed for but was not detected above the reported sample quantitation limit. The data are usable.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. The data are usable.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. The data are usable.



None of the data validated for the time-integrated samples were rejected. Had the data been rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria, the data would have been unusable.

When the validation of each batch of data was completed, a report of findings in the form of a memo was generated and forwarded to the CEC project manager. Copies of these documents are included in Appendix F of this report.



#### 8.0 INTERNAL QUALITY CONTROL CHECKS

#### 8.1 AIR DATA QUALITY ASSURANCE AND CONTROL MEASURES

#### 8.1.1 Field Data Quality Assurance and Control

#### 8.1.1.1 Calibrations

Field data quality assurance measures included full equipment calibrations on all real-time air sampling equipment at the start of the project and daily as outlined in the AAMP.

Calibrations for SUMMA® canisters involved the calibration of the flow control regulators daily using a digital flow meter attached to an evacuated SUMMA® canister. The regulator flows were set to collect between 1.3 and 1.5ml/min to ensure that the 6- Liter canisters would collect an approximate volume of 5 to 5.5L in a 72-hour period.

#### 8.1.1.2 Trip and Field Blanks

Trip and field blanks were collected and shipped from the Site and analyzed in the laboratory in accordance with the QAPP prepared for this project. Trip blank SUMMA® canisters were prepared and shipped to the laboratory for analysis with every 10 samples. Field data quality control measures implemented for PAH sampling included the collection of two polyurethane foam glass cartridges with quartz filters to be sent to the laboratory for analysis. One cartridge was included in each shipment to the laboratory as a trip blank, and one field blank was included for analysis with every 10 samples.

There were no detects above 0.5-2.0 ug (MDL) reported for the field blanks submitted for the VOC analysis on this project.

There were no detects above 1.0 ug (MDL) reported for the field and trip blanks submitted for the PAH analysis on this project.

#### 8.1.2 Internal Quality Control Checks

SUMMA® canister pressures were monitored with each set of real-time air measurements that were taken. If a canister appeared to have an air intake rate above 1.5 ml/min, corrective action was taken. This usually consisted of tightening the seals on the canister to prevent leaking, and if the rate remained above 1.5 ml/min, the canister was collected, with the collection time noted. Additionally, field quality control checks were applied as discussed above in Section 2.

#### 8.1.3 Performance and System Audits

There were no performance or system audits performed on this project by the United States Environmental Protection Agency (USEPA) or their representatives.



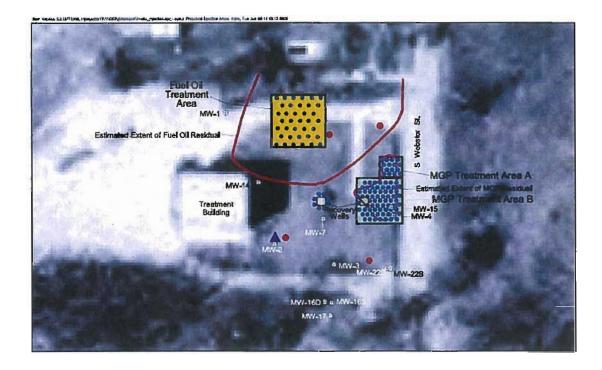
#### 8.1.4 Corrective Actions

None identified.



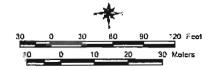
FIGURES

Figure 1 Ambient Air Monitoring Stations Taylorville MGP Site

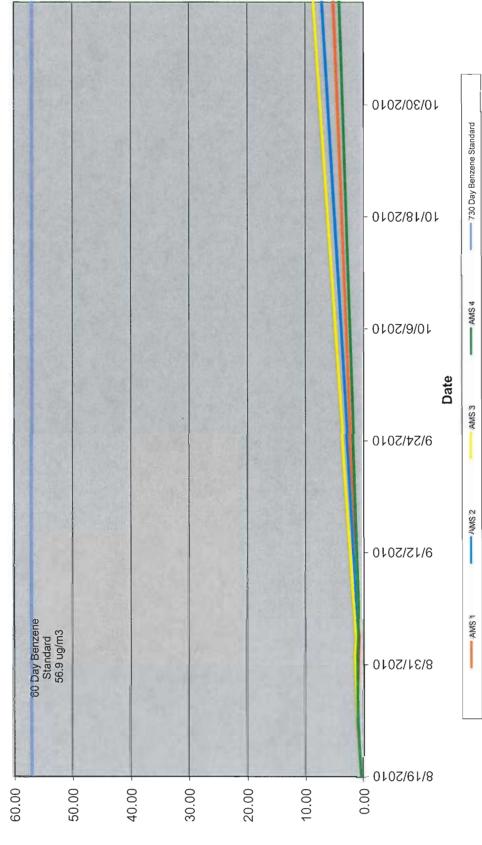




Air Monitoring Station

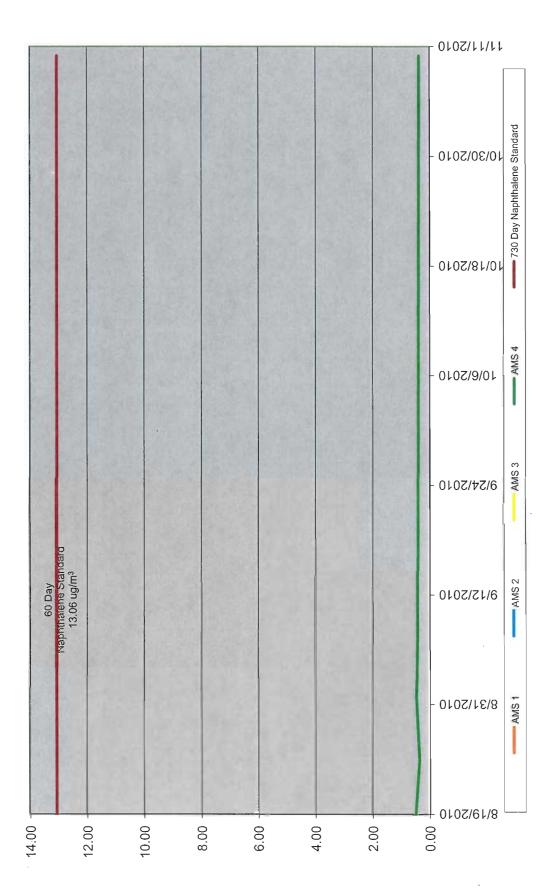


## FIGURE 2 Benzene Running Averages Taylorville MGP Site 8/19/2010 - 3/7/2012



<u></u>շա/ճո

FIGURE 3 Naphthalene Running Averages Taylorville MGP Site 8/19/2010 - 3/7/2012



<u> </u>շա/Ծո



TABLES

# Table 1Project Ambient Air Quality Standards60 Day ExposureTaylorville MGP Site

	Basis of	Concentration
Constituent	Standard	(ug/m <sup>3</sup> )
VOC		
Benzene	RBC	56.9
Naphthalene	RBC	13.06
PARTICULATES		
PM-10	NAAQS	150

RBC - Risk Based Calculation, see Table 2 for details.

NAAQS - National Ambient Air Quality Standard, 24-hour Average.

#### Table 2 Risk-Based Air Concentrations 60 Day Exposure Taylorville MGP Site

DERIVATION	OF RISK-BASE	D AIR CONCE	NTRAT	IONS: 60 I	Day Project	ange Brits and Doriginal and	and the second second
C <sub>air-nc</sub> = (THQ	x ED x ATnc x 1	000 ug/mg) / (E	F x ED x	: 1/RfG)			
$C_{sir-c} = (TR x)$	ATc x LT) / (EF	x ED x IUR)					
Parameter	Description	VENDE			Units	Value	Reference
THQ	= Target Hazard	Quotient			unitless	1	USEPA
TR	= Target cancer r	isk			unitless	1.00E-06	USEPA
RfCi	= Inhalation Refe	rence Dose			mg/m³	see below (u),(h),(s),(n)	USEPA
TUR	= Inhalation Unit	Risk			$(ug/m^3)^{-1}$	see below (u)	USEPA
LT	= Lifetime				уеаг	70	USEPA
AT <sub>nc</sub>	= Averaging Tim	e for noncarcino	gens		days	60	site-specific
AT,	= Averaging Tim	e for carcinogen	s		days	365	USEPA
-	= Exposure Frequ	-			days/year	350	USEPA
	= Exposure Dura				year	0.16	site-specific
Cair-ne	= Risk-based air	concentration fo	r noncar	cinogens	ug/m <sup>3</sup>	calculated	above equation
	= Risk-based air			-	ug/m <sup>3</sup>	calculated	above equation
Constituent	RfCi	IUR	Con le manager	Cair-ne	11 KI (21 MI)	C <sub>nir-o</sub>	Concentration
	mg/m <sup>3</sup>	(ug/m <sup>3</sup> ) <sup>-1</sup>		ug/m <sup>3</sup>		ug/m <sup>3</sup>	ug/m <sup>2</sup>
VOC	a and a fact of any					why are	
Benzene	3.00E-02 (u)	7.80E-06	(u)	5.14		56.93	5.143E+00
Ethyl benzene	1.00E+00 (u)	2.50E-06	(u)	171.43		177.63	1.714E+02
Toluene	5.00E+00 (u)			857.14		NC	8.571E+02
m.p-Xylene	7.00E-01 (u)			120.00		NC	1.200E+02
o-Xylene	7.00E-01 (u)			120.00		NC	1.200E+02
PAH	2.005.02 ()		()				
Naphthalene	3.00E-03 (u)	3.40E-05	(u)	0.51		13.06	5.143E-01
Benzo(a)pyrene 2-Methylnaphthalene	NA 3.00E-03 (s)	1.10E-03 NA	(u)	NC 0.51		0.40 NC	4.037E-01 5.143E-01
Accnaphthylene	3.00E-02 (s)	NA		5.14		NC	5.143E+00
Acenaphthene	6.00E-02 (h,n			10.29		NC	1.029E+01
Fluorene	4.00E-02 (h)	NA		6.86		NC	6.857E+00
Phenanthrene	3.00E-02 (s)	NA		5.14		NC	5.143E+00
Anthracene	3.00E-01 (h)	NA		51.43		NC	5.143E+01
Fluoranthene	4.00E-02 (h)	NA		6.86		NC	6.857E+00
Рутепе	3.00E-02 (h)			5.14		NC	5.143E+00
Chrysene	NA	1.10E-05	(u)	NC		40.37	4.037E+01
Benzo(a)anthracene	NA	1.10E-04	(u)	NC		4.04	4.037E+00
Benzo(b)fluoranthene	NA	1.10E-04	<u>(u)</u>	NC		4.04	4.037E+00
Benzo(k)fluoranthene	<u>NA</u>	1.10E-04	(u)	NC		4.04	4.037E+00
Indeno(1,2,3-c,d)pyrene	NA	1.10E-04	(u)	NC		4.04	4.037E+00
Dibenz(a,h)anthracene	NA (1)	1.20E-03	(u)	NC 5.14		0.37	3.701E-01
Benzo(g,h,i)perylene	3.00E-02 (s)	NA		5.14		NC	5.143E+00

n = National Center for Environmental Assessment (NCEA, 2000).

Also referenced in the USEPA Region IX PRG Tables (USEPA, 2004)

u = USEPA Risk Based Concentration Table (USEPA, September 2008)

S = refers to a surrogate chemcial used because a toxicity value was not available in any of the sources listed above. Naphthalene was used as a surrogate compound for 2-Methylnaphthalene. Pyrene was used as a surrogate compound for acenaphthylene, phenanthrene, and benzo(g,h,i)pyrlene.

h= Region 6 Human Health medium-Specific Screening Levels 2008

	Time-integrated Ben	TABLE 3 Time-integrated Benzene and Naphthalene Air Monitoring Sample Results Taylorville MGP Site	Sample Results	
Risked-based Standards Based on 60-day exposure Benzene = 56.93 ug/m³ Naphthalene = 13.06 ug/m3			Report Date: 8/10/2012	N
Sample Date	Air Monitoring Station	TO-15A Benzene Conc. (ug/m <sup>3</sup> )	Passive Benzene Conc. (ug/m3)	Passive Naphthalene Conc. (ug/m3)
8/19-8/22/10	AMS-1 AMS-1D	<2.5	<0.58 <0.58	<0.92 <0.92
	AMS-2	<2.8	< 0.58	<0.92
	AMS-3		<0.58	<0.92
			00.07	76.07
8/25-9/1/10	AMS-1		1.60	<0.40
	AMS-1D		1.80	<0.40
	AMS-2		1.30	<0.40
	AMS-4		1.40	<0.40
	140.4	c c		
8/28-8/31/10	AMS-1 AMS-2	<2.2		
	AMS-3	2		
	AMS-4			

Naphthalene Conc. (ug/m3)	<ol> <li>&lt;1.3</li> <li>&lt;1.3</li> <li>&lt;1.3</li> <li>&lt;1.3</li> <li>&lt;1.3</li> <li>&lt;1.3</li> </ol>		<ul> <li>&lt;0.71</li> <li>&lt;0.71</li> <li>&lt;0.71</li> <li>&lt;0.71</li> <li>&lt;0.71</li> </ul>	<ul> <li>&lt;0.66</li> <li>&lt;0.66</li> <li>&lt;0.66</li> <li>&lt;0.66</li> <li>&lt;0.66</li> <li>&lt;0.66</li> </ul>		<0.34<0.34<0.34<0.34<0.34<0.34	
Passive Benzene Conc. (ug/m3)	<0.83 0.92 1.80 1.10		<0.44	3.50 3.20 4.00 1.10		25.00 30.00 43.00 21.00	
Benzene Conc. (ug/m <sup>3</sup> )		3.2 <2.7			110.0		
Air Monitoring Station	AMS-1 AMS-1D AMS-2 AMS-4	AMS-1 AMS-2 AMS-4 AMS-4	AMS-1 AMS-1D AMS-2 AMS-4 AMS-4	AMS-1 AMS-1D AMS-2 AMS-4 AMS-4	AMS-1 AMS-2 AMS-3 AMS-4 AMS-4	AMS-1 AMS-1D AMS-2 AMS- <del>4</del> AMS- <del>4</del>	
Sample Date	9/1-9/3/10	9/7-9/10/10	9/3-9/7/10	9/7-9/11/10	11/16-11/18/10	11/10-11/18/10	

			Passive	Passive
Sample Date	Air Monitoring Station	Benzene Conc. (ug/m <sup>3</sup> )	Benzene Conc. (ug/m3)	Naphthalene Conc. (ug/m3)
3/16-3/19/11	AMS-1	3.0	2.70	<0.99
	AMS-2	<2.5	2.20	<0.99
	AMS-3	4.8	5.00	<0.99
	AMS-4	4.2	12.00	<0.99
3/19-3/23/11	AMS-1	12	9.20	<0.96
	AMS-2	17	16.00	<0.96
	AMS-3	22	25.00	<0.96
	AMS-4	16	14.00	96.0>
9/27-10/3/11	AMS-1		13.00	0.62
	AMS-1D		15.00	0.50
	AMS-2		33.00	0.71
	AMS-3		16.00	0.64
	AMS-4		4.50	0.14
10/3-10/6-11	AMS-1	110	>100.0	3.50
	AMS-1D	140		
	AMS-2	73	81.00	1.80
	AMS-3	60	68.00	4.10
	AMS-4	42	43.00	2.60
12/6-12/9-11	AMS-1	5		
	AMS-1D	2		
	AMS-2	5.1		
	AMS-3	38		
	AMS-4	8.7		
12/6-12/15-11	AMS-1		15.00	0.14
	AMS-2		17.00	0.17
	AMS-3		28.00	0.11
	AMS-4		3.90	0.18 <0.057

TO-15A Passive Passive Passive Station Benzene Conc. (ug/m <sup>3</sup> ) Benzene Conc. (ug/m3) Naphthalene Conc. (ug/m3)	17 15.00 26 17.00 38 25.00 24 25.00	AS-1     <2.2	AS-1 <2.3 S-1D <3.2 AS-2 12 AS-3 29 AS-4 15 AS-4 15	13-1     3.00     1.20       15-2     4.50     1.70       15-3     57.00     1.80
Air Monitoring Station	AMS-1 AMS-2 AMS-4 AMS-4	AMS-1 AMS-2 AMS-3 AMS-4	AMS-1 AMS-1D AMS-2 AMS-3 AMS-4	AMS-1 AMS-2 AMS-3
Sample Date	12/12-12/15-11	2/27-3/1-12	2/27-3/5-12	3/5/-3/7-12

	Project running average benzene concentration		
	Benzene conc. ug/m3		
Station #	Current Reporting Period	Risk-based Standard	Status
AMS-1 AMS-2	10.50 17.39	56.90 56.90	V V
AMS-3	22.12	56.90	
AMS-4	11.03	56.90	
Δ.	Project running average naphthalene concentration		
	Naphthalene conc. ug/m3		
Station #	Current Reporting Period	Risk-based Standard	Status
AMS-1	0.645	13.06	
AMS-2 AMS-3	0.549 0.739	13.06 13.06	v v
AMS-4	0.576	13.06	v



APPENDIX A

REAL-TIME AIR MONITORING FIELD DATA

#### AMBIENT AIR SAMPLING FIELD LOG

Project Name:	Ameren Taylorville	Location:	Tavio	prville, IL	Sampler:	AJA
Project Number:	101-275	Date:		9/2010	Sampler.	
			,			
		PID (ppm)	Portable GC (ppm) Benzene	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make <u>RAE Systems</u> model: MiniRAE2000	Make <u>PhotoVac</u> Model <u>Voyager</u>	Make <u>MIE</u> Model <u>pDR-1500</u>		
			I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	NA	NA	NA	NA	
7:30 - 7:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
8:30 - 8:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
			_			
	AMS01	NA	NA	NA	NA	
9:30 - 9:45	AMS02	NA	NA	NA	NA	
5,00 0,10	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AM204	NIA NIA	NIA -	N A		
	AMS01 AMS02	NA NA	NA NA	NA NA	NA NA	
10:30 - 10:45	AMS02	NA NA	NA NA	NA NA	NA	
	AMS03	NA	NA	NA	NA	
	74/1004					
	AMS01	0.0	NA	0.016	0.0	
11:30 - 11:45	AMS02	0.0	NA	0.011	0.0	
11:30 - 11:45	AMS03	0.0	NA	0.009	0.0	Background Sampling
	AMS04	0.0	NA	0.008	0.0	
	AMS01	0.0	NA	0.017	0.0	
12:30 - 12:45	AMS02	0.0	NA	0.015	0.0	
	AMS03	0.0	NA	0.021	0.0	Background Sampling
	AMS04	0.0	NA	0.032	0.0	
	AMS01	NA	NA –	NA	NA	
10.00 10 15	AMS02	NA	NA	NA	NA	
13:30 - 13:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
14:30 - 14:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
45.00 15.15	AMS01 AMS02	NA	NA	NA	NA	
15:30 - 15:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
16:30 - 16:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
17.50 - 17.45		NA	NA	NA	NA	
17.30 - 17.45	AMS04					
	AMS01	NA	NA	NA	NA	
18:30 - 18:45	AMS01 AMS02	NA	NA	NA	NA	
	AMS01					

Project Name:	Ameren Taylorville	Location;	Taylo	rville, IL	Sampler:	AJA
Project Number	101-275	Date:		0/2010		
		PID (ppm)	Portable GC (ppm) Benzene	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
		THOUGH WITHTAL 2000	I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	0,0	NA	0,017	0.0	
	AMS02	0.0	NA	0.008	0.0	
7:30 - 7:45	AMS03	0.0	NA	0.011	0.0	Background Sampling
ł	AMS04	0.0	NA	0.024	0.0	Daelig our a barripinig
				0.021	0.0	
	AMS01	0.0	NA	0.013	0.0	
0.00 0.45	AMS02	0.0	NA	0.019	0.0	
8:30 - 8:45	AMS03	0.0	NA	0.012	0.0	Background Sampling
l l	AMS04	0.0	NA	0.016	0.0	5
	AMS01	0.0	NA	0.011	0.0	
9:30 - 9:45	AMS02	0.0	NA	0.014	0,0	
3.30 - 9.43	AMS03	0.0	NA	0.010	0.0	Background Sampling
	AMS04	0.0	NA	0.007	0.0	
	AMS01	0.0	NA	0.018	0.0	
10:30 - 10:45	AMS02	0.0	NA	0.006	0.0	
10.00 10.40	AMS03	0.0	NA	0.010	0.0	Background Sampling
	AMS04	0.0	NA	0.027	0.0	
	AMS01	0.0	NA	0.016	0.0	
11:30 - 11:45	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.007	0.0	Background Sampling
	AMS04	0.0	NA	0.018	0.0	
ļ	AMS01	0.0	NA	0.011	0.0	
12:30 - 12:45	AMS02	0.0	NA	0.013	0.0	
	AMS03	0.0	NA	0.020	0.0	Background Sampling
	AMS04	0.0	NA	0.015	0.0	
	AMS01	0.0	NA	0.019	0.0	
13:30 - 13:45	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.005	0.0	Background Sampling
	AMS04	0.0	NA	0.023	0.0	
	AM604	0.0		0.015		
	AMS01	0.0	NA	0.015	0.0	
14:30 - 14:45	AMS02	0.0	NA	0.012	0.0	Beekereur d. 0 lis
	AMS03	0.0	NA	0.017	0.0	Background Sampling
	AMS04	0.0	NA	0.027	0.0	
	AMS01	NA	NA	NA	NA	
	AMS01 AMS02	NA	NA NA	NA NA	NA NA	
15:30 - 15:45	AMIS02 AMIS03	NA	NA	NA NA	NA	
	AMIS03	NA	NA	NA	NA	
	711004		11/2	11/1	-	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
16:30 - 16:45	AMS02 AMS03	NA	NA	NA	NA	
	AMS04	NA	NA NA	NA	NA	
					,	
	AMS01	NA	NA	NA	NA	
17.00 17.15	AMS02	NA	NA	NA	NA	
17:30 - 17:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
18:00 48:45	AMS02	NA	NA	NA	NA	
18:30 - <b>1</b> 8:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AN1004	1 19/1				

Project Name:	Ameren Taylorville	Location:	Taylo	orville, IL	Sampler.	AJA
Project Number:	101-275	Date:		0/2010	· · · · · · · · · · · · · · · · · · ·	
· · · ·						
			Portable GC (ppm)			
		PID (ppm)	r ondere oo (ppin/	PM <sub>10</sub> mg/m3	Odor	Remarks
		· · · · · · · · · · · · · · · · · · ·	Benzene		040.	. (on an to
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			1.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	0.0	NA	0.014	0.0	
7:30 - 7:45	AMS02	0.0	NA	0.011	0,0	
7,30 - 7,45	AMS03	0.0	NA	0.008	0.0	Background Sampling
ľ	AMS04	0.0	NA	0.017	0.0	
	AMS01	0.0	ŇA	0.019	0.0	
ŀ	AMS02	0.0	NA	0.013	0.0	
8:30 - 8:45						Production and Completion
Ļ	AMS03	0.0	NA	0.010	0.0	Background Sampling
	AMS04	0.0	NA	0.014	0.0	
	AMS01	0.0	NA	0.016	0.0	
0.20 0.45	AMS02	0.0	NA	0,009	0.0	
9:30 - 9:45	AMS03	0.0	NA	0.015	0.0	Background Sampling
ł	AMS04	0,0	NA	0.012	0.0	0
		3,0		0.012		
	AMOOA		N1.0	0.011	0.0	
	AMS01	0.0	NA	0.011	0.0	
10:30 - 10:45	30 - 10:45 AMS02 0.0 NA 0.017 0.0					
	AMS03	0.0	NA	0.020	0.0	Background Sampling
	AMS04	0.0	NA	0.018	0.0	
	AMS01	0.0	NA	0.013	0.0	
	AMS02 0.0 NA 0.010 0.0	0.0				
11:30 - 11:45	AMS03	0.0	NA	0.009	0.0	Background Sampling
	AMS04	0.0	NA	0.003	0.0	background bamping
	AIV[504	0.0	NA	0.013	0.0	
	AMS01 0.0 NA 0.010	0.0				
12:30 - 12:45	AMS02	0,0	NA	0.016	0.0	
12,00 - 12,40	AMS03	0.0	NA	0.024	0,0	Background Sampling
	AMS04	0.0	NA	0.015	0.0	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
13:30 - 13:45		NA	NA	NA	NA	
	AMS03					
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
14:30 - 14:45	AMS02	NA	NA NA	NA	NA	
14.30 - 14:43	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
		1	1			
	AMS01	NA	NA	NA	NA	
15:30 - 15:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
40.00 40.45	AMS02	NA	NA	NA	NA	
16:30 - 16:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
			110	170	(11)	
	AM201		NIA NIA	NIA	NA	
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
18:30 - 18:45	AMS02 AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	1	1	1	1		

Project Name:	Ameren Taylorville	Location:	Taylo	rville, IL	Sampler:	AJA .
Project Number:	101-275	Date:	8/2	5/2010		
			Portable GC (ppm)			
		PID (ppm)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
Time .	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. 5230/Bat 1918		
	AMS01	0.0	NA	0.024	0.0	
7:30 - 7:45	AMS02	0.0	NA	0.019	0.0	
1.50 - 1.45	AMS03	0.0	NA	0.025	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0.018	0,0	
	AMS01	0.0	NA	0.013	0.0	
8:30 - 8:45	AMS02	0.0	NA	0.011	0,0	
0.00 0.10	AM\$03	0.0	NA	0.018	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0.016	0.0	
	AMS01	NA	NA	NA	NA	
9:30 - 9:45	AMS02	NA	NA	NA	NA	
0.10	AMS03	NA	NA	NA	NA	Safety Meeting
	AMS04	NA	NA	NA	NA	
			L			
	AMS01	NA	NA	NA	NA	
10:30 - 10:45	AMS02	NA	NA	NA	NA	
10.00 10.40	AMS03	NA	NA	NA	NA	Safety Meeting
	AMS04	NA	NA	NA	NA	
11:30 - 11:45	AMS01	0.0	NA	0.019	0.0	
	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0,006	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0.021	0,0	
	AMS01	0.0	NA	0.023	0.0	
12:30 - 12:45	AMS02	0.0	NA	0,006	0,0	
12.00 - 12.40	AMS03	0.0	NA	0.003	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0.005	0.0	
	AMS01	0.0	NA	0.017	0.0	
13:30 - 13:45	AMS02	0,0	NA	0.013	0.0	
10,00 10,10	AMS03	0.0	NA	0.020	0.0	Lunch
	AMS04	0.0	NA	0.009	0.0	
	AMS01	0.0	NA	0.008	0.0	
14:30 - 14:45	AMS02	0.0	NA	0.026	0.0	
	AMS03	0.0	NA	0.029	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0.005	0.0	
	AMS01	0.0	NA	0.011	0.0	
15:30 - 15:45	AMS02	0.0	NA	0.007	0.0	
,0.00 10,40	AMS03	0.0	NA	0.014	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0.008	0.0	
	L					
	AMS01	0.0	NA	0.019	0.0	
16:30 - 16:45	AMS02	0.0	NA	0.010	0.0	
	AMS03	0.0	NA	0.023	0.0	XDD Mobilizing Equipment
	AMS04	0.0	NA	0,009	0.0	
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA NA NA	NA	
	AMS01	NA	NA	NA	NA	
18:30 - 18:45	AM\$02	NA	NA	NA	NA NA	
10.00 - 10.40	AMS03 NA	NA	NA	NA		
	AMS04	NA	NA	NA	NA	
	T		1			

Ameren Taylorville 101-275	Location: Date:		arville, IL 3/2010	Sampler.	AJA			
		Portable GC (ppm)						
	PID (ppm)		PM <sub>10</sub> mg/m3	Odor	Remarks			
1	Logation	1 1	Lagation		Benzene	10 0		
Location	Make RAE Systems	Make PhotoVac	Make MIE					
	model: MiniRAE2000	Model Voyager	Model pDR-1500					
	INOUGH WINIT ON LEVOU	I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>					
414004	0.0			0.0				
AMS01		NA	0.012		_			
					XDD Mobilizing Equipment			
AMS04	0.0	NA	0.011	0.0				
AMS01	0.0	NA	0.013	0.0				
AMS02	0.0	NA	0.010	0.0				
AMS03	0.0	NA	0.019	0.0	XDD Mobilizing Equipment			
	0.0							
,		,			-			
AMSO1	0.0	ΝΔ	0.024	0.0				
AMS02 0.0 NA 0.016 0.0								
					— XDD Began Injection at 8:46, XDD Performing W			
					Injection			
AMS04	U.U	NA	0.009	0.0				
	<u> </u>							
AMS02	0.0	NA	0.019	0.0				
AMS03	0.0	NA	0.017	0.0	XDD Performing Well Injection			
AMS04	0.0	NA	0.015	0,0				
					7			
AMS01	00	NA	0.033	0.0				
					-			
					XDD Boforming Well Injection			
					XDD Performing Well Injection			
AMS04	0.0	NA	0.010	0.0	_			
AMS02	0.0	NA	0.009	0.0				
AMS03	0.0	NA	0.005	0.0	XDD Performing Well Injection			
AMS04	0,0	NA	0.004	0.0				
				_	-			
AM\$01	0.0	NA	0.007	0.0				
					XDD Performing Well Injection			
AIVI304	0.0	NA I	0.013	0.0				
	<u> </u>							
					_			
					XDD Performing Well Injection			
AMS04	0.0	NA	0.007	0.0				
AMS01	0.0	NA	0.012	0.0				
	0.0			0.0	7			
					XDD Performing Well Injection			
7 10007			0.010	0.0				
44604		NA	0.009					
	0.0				XDD Performing Well Injection			
AMS04	0.0	NA	0.007	0.0	_			
AMS01	0.0	NA	0.004	0.0				
AMS02	0.0	NA	0.012	0.0				
					XDD Flushing Lines			
,			0.022	5.0				
AMEOA	- NIA	NIA.	NIA	MIA .	·			
					<u> </u>			
AMS03	NA	NA	NA	NA				
AMS04	NA	NA	NA	NA				
	AMS03 AMS04 AMS01 AMS02 AMS02 AMS03 AMS04 AMS02 AMS02 AMS02 AMS02 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS04 AMS01 AMS04 AMS04 AMS01 AMS04	AMS03         0.0           AMS04         0.0           AMS01         0.0           AMS02         0.0           AMS03         0.0           AMS04         0.0           AMS03         0.0           AMS04         0.0           AMS01         0.0           AMS02         0.0           AMS04         0.0           AMS02         0.0           AMS03         0.0           AMS04         0.0           AMS03         0.0           AMS04         0.0           AMS02         0.0           AMS03         0.0           AMS04         0.0           AMS02         0.0           AMS03         0.0           AMS04         0.0           AMS02         0.0           AMS03         0.0           AMS04         0.0           AMS03         0.0           AMS04         0.0           AMS03         0.0           AMS04         0.0           AMS03         0.0           AMS04         0.0           AMS05         0.0           AMS04 </td <td>AMS03         0.0         NA           AMS04         0.0         NA           AMS01         0.0         NA           AMS02         0.0         NA           AMS03         0.0         NA           AMS03         0.0         NA           AMS03         0.0         NA           AMS04         0.0         NA           AMS02         0.0         NA           AMS02         0.0         NA           AMS04         0.0         NA           AMS03         0.0         NA           AMS04         0.0         NA           AMS02         0.0         NA           AMS03         0.0         NA           AMS04         0.0         NA           AMS02         0.0         NA           AMS03         0.0         NA           AMS04         0.0</td> <td>AMS03         0.0         NA         0.006           AMS04         0.0         NA         0.011           AMS01         0.0         NA         0.013           AMS02         0.0         NA         0.010           AMS03         0.0         NA         0.019           AMS04         0.0         NA         0.019           AMS03         0.0         NA         0.012           AMS04         0.0         NA         0.024           AMS02         0.0         NA         0.012           AMS03         0.0         NA         0.012           AMS04         0.0         NA         0.025           AMS03         0.0         NA         0.017           AMS04         0.0         NA         0.015          </td> <td>AMS03         0.0         NA         0.006         0.0           AMS04         0.0         NA         0.011         0.0           AMS02         0.0         NA         0.013         0.0           AMS02         0.0         NA         0.019         0.0           AMS03         0.0         NA         0.014         0.0           AMS02         0.0         NA         0.014         0.0           AMS03         0.0         NA         0.014         0.0           AMS02         0.0         NA         0.012         0.0           AMS04         0.0         NA         0.025         0.0           AMS01         0.0         NA         0.019         0.0           AMS01         0.0         NA         0.017         0.0           AMS01         0.0         NA         0.014         0.0           AMS01         0.0         NA         0.014         0.0</td>	AMS03         0.0         NA           AMS04         0.0         NA           AMS01         0.0         NA           AMS02         0.0         NA           AMS03         0.0         NA           AMS03         0.0         NA           AMS03         0.0         NA           AMS04         0.0         NA           AMS02         0.0         NA           AMS02         0.0         NA           AMS04         0.0         NA           AMS03         0.0         NA           AMS04         0.0         NA           AMS02         0.0         NA           AMS03         0.0         NA           AMS04         0.0         NA           AMS02         0.0         NA           AMS03         0.0         NA           AMS04         0.0	AMS03         0.0         NA         0.006           AMS04         0.0         NA         0.011           AMS01         0.0         NA         0.013           AMS02         0.0         NA         0.010           AMS03         0.0         NA         0.019           AMS04         0.0         NA         0.019           AMS03         0.0         NA         0.012           AMS04         0.0         NA         0.024           AMS02         0.0         NA         0.012           AMS03         0.0         NA         0.012           AMS04         0.0         NA         0.025           AMS03         0.0         NA         0.017           AMS04         0.0         NA         0.015	AMS03         0.0         NA         0.006         0.0           AMS04         0.0         NA         0.011         0.0           AMS02         0.0         NA         0.013         0.0           AMS02         0.0         NA         0.019         0.0           AMS03         0.0         NA         0.014         0.0           AMS02         0.0         NA         0.014         0.0           AMS03         0.0         NA         0.014         0.0           AMS02         0.0         NA         0.012         0.0           AMS04         0.0         NA         0.025         0.0           AMS01         0.0         NA         0.019         0.0           AMS01         0.0         NA         0.017         0.0           AMS01         0.0         NA         0.014         0.0           AMS01         0.0         NA         0.014         0.0			

Project Name:	Ameren Taylorville	Location:	Taylo	orville, IL	Sampler	AJA
Project Number:	101-275	Date:		7/2010		
			_			
		P1D (ppm)	Portable GC (ppm) Benzene	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	MakeMIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. 5230/Bat 1918		-1
AMS01	0.0	NA	0.010	0.0		
7:30 - 7:45	AMS02	0.0	NA	0.007	0.0	7
7.30 - 7.45	AMS03	0.0	NA	0.011	0,0	XDD Preparing to Start Injection
	AMS04	0.0	NA	0.011	0.0	
	AMS01	0.0	NA	0.004	0.0	
8:30 - 8:45	AMS02	0.0	NA	0.003	0.0	XDD Began Injection at 8:00, XDD Performing W
0.00 0.10	AMS03	0.0	NA	0.003	0.0	Injection
	AMS04	0.0	NA	0.009	0.0	
ļ	AMS01	0.0	NA	0.002	0.0	
9:30 - 9:45	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.003	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.005	0.0	-1
	AM604	0.0	NIA	0.005	0.0	
	AMS01	0.0	NA	0.005	0.0	
10:30 - 10:45	AMS02 AMS03	0.0	NA NA	0.004	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.009	0.0	ADD Performing Weil Injection
	ANISU4	0.0		0.002	0.0	
	AMS01	0.0	NA	0.002	0.0	
	AMS02	0.0	NA	0.002	0.0	
11:30 - 11:45	AMS02	0.0	NA NA	0.018	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.014	0.0	
	/11/00/	0.0		0.014	0.0	-
	AMS01	0.0	NA	0.014	0.0	
	AMS02	0.0	NA	0.002	0.0	-
12:30 - 12:45	AMS03	0.0	NA	0.003	0.0	. XDD Performing Well Injection
	AMS04	0.0	NA	0.007 0.0		
						-
	AMS01	0.0	NA	0.025	0.0	
13:30 - 13:45	AMS02	0.0	NA	0.013	0.0	
13.30 - 13.43	AMS03	0.0	NA	0.016	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.010	0.0	
	AMS01	0.0	NA	0.011	0.0	
14:30 - 14:45	AMS02	0.0	NA	0.004	0.0	
	AMS03	0.0	NA	0.007	0.0	XDD Changing Injection Tanks
	AMS04	0.0	NA	0.012	0.0	_
				0.000		
	AMS01	0.0	NA	0.007	0.0	-1
15:30 - 15:45	AMS02	0.0	NA	0.005	0.0	
	AMS03	0.0	NA	0.013	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.014	0.0	
	AMS01	0.0	NA	0.001	0.0	_
	AMS02	0.0	NA	0.001	0.0	
16:30 - 16:45	AMS02 AMS03	0.0	NA	0.002	0.0	XDD Performing Well Injection
	AMS03	0.0	NA	0.004	0.0	
	,	0.0	110	0.004	0.0	
	AMS01	NA	NA	NA	NA	
17.00 17.15	AMS02	NA	NA	NA	NA	-1
17:30 - 17:45	AMS03 NA NA NA NA	-				
	AMS04	NA	NA	NA	NA	7
						7
	AMS01	NA	NA	NA	NA	
18:30 - 18:45	AMS02	NA	NA	NA	NA	
10,30 - 10,43	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

Drojont Man	Ameren Taylorville		1	SAMPLING FIELD LOG		A 1A
Project Name: Project Number:	Ameren Taylorville 101-275	Location: Date:		orville, IL 8/2010	Sampler	AJA
Floject Nulliber.	101-275	Date.	012	6/2010		
		PID (ppm)	Portable GC (ppm)	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
		Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		_
			I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	0.0	NA	0.002	0.0	-
7:30 - 7:45	AMS02	0.0	NA	0.009	0.0	
	AMS03	0.0	NA	0.005	0.0	XDD Preparing to Start Injection
	AMS04	0.0	NA	0.010	0.0	-
	AMS01	0.0	NA	0.016	0.0	
	AMS02	0.0	NA	0.013	0.0	-
8:30 - 8:45	AMS03	0.0	NA	0.009	0.0	<ul> <li>XDD Began Injection at 8:30, XDD Performing W</li> </ul>
	AMS04	0.0	NA	0.008	0,0	Injection
	/ *******	0.0		0.000	0,0	-
	AMS01	0.0	NA	0.011	0.0	
0.00 0.45	AMS02	0.0	NA	0,008	0.0	1
9:30 - 9:45	AMS03	0.0	NA	0.026	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0,004	0.0	
	AMS01	0.0	NA	0.015	0.0	
10:30 - 10:45	AMS02	0.0	NA	0.012	0.0	
10.50 - 10.45	AMS03	0.0	NA	0.011	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.013	0.0	
AMS01		0.0	NA	0.009	0.0	_
11:30 - 11:45	AMS02	0.0	NA	0.014	0.0	
	AMS03	0.0	NA	0.011	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.008	0.0	
	AMS01	0.0	NA	0.022	0.0	
12:30 - 12:45	AMS02	0.0	NA	0.007	0.0	
	AMS03	0.0	NA	0.010	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.014	0.0	
	AMS01	0.0	NA	0.024	0.0	
	AMS01 AMS02	0.0	NA	0.024	0.0	
13:30 - 13:45	AMS02 AMS03	0.0	NA	0.023	0.0	XDD Performing Well Injection
	AMS03	0.0	NA	0.023	0.0	
	71004	0.0	10/3	0.010	0.0	-
	AMS01	0.0	NA	0.017	0.0	
	AMS02	0.0	NA	0.011	0.0	1
14:30 - 14:45	AMS03	0.0	NA	0.013	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.013	0.0	
			1	1		-
	AMS01	NA	NA	NA	NA	
15:30 - 15:45	AMS02	NA	NA	NA	NA	
13.30 - 13.43	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
16:30 - 16:45	AMS02	NA	NA	NA	NA	_
	AMS03	NA	NA	NA	NA	_
	AMS04	NA	NA	NA	NA	_
	AMS01	NA	NA	NA	NA	_
17:30 - 17:45	AMS02	NA	NA	NA	NA	_
	AMS03	NA	NA	NA	NA	_
	AMS04	NA	NA	NA	NA	
	004001		NIA	NIA	KIA .	
	AMS01	NA	NA NA	NA	NA	
18:30 - 18:45	AMS02 AMS03	NA NA	NA	NA NA	NA NA	
	I MINIOUS	I INA	I INA	1 19/4	1 NA	
	AMS04	NA	NA	NA	NA	—

Project Name:	Ameren Taylorville	Location:	Taylo	rville, IL	Sampler:	AJA
Project Number:	101-275	Date:		0/2010	I	
			Portable GC (ppm)			
		PID (ppm)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
	Coodiion	Make <u>RAE Systems</u>	Make PhotoVac	Make <u>MIE</u>		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	0.0	NA	0.011	0.0	
7:30 - 7:45	AMS02	0.0	NA	0.007	0.0	To all Gillion the Teeller
	AMS03	0.0	NA	0.010	0.0	Truck Filling Up Tanks
	AMS04	0.0	NA	0.023	0.0	_
	AMS01	0.0	NA	0.021	0.0	
	AMS01	0.0	NA	0.021	0.0	
8:30 - 8:45	AMS02 AMS03	0.0	NA	0.004	0.0	Truck Filling Up Tanks
	AMS03	0.0	NA	0.008	0.0	
	7101304	0.0		0.000	0.0	_
	AMS01	0.0	NA	0.007	0.0	
	AMS02	0.0	NA	0.006	0.0	1
9:30 - 9:45	AMS03	0.0	NA	0.006	0.0	
	AMS04	0.0	NA	0.021	0.0	
						-
	AMIS01	0.0	NA	0.010	0.0	At 10:00 Brett Carney From ERM Informed Me Tr
10.20 40.45	AMS02	0.0	NA	0.013	0.0	Well 1A Had Pressure Build Up and Was in a Gys
10:30 - 10:45	AMS03	0.0	NA	0.029	0.0	State. XDD Had Stopped Well Injection. I Monitor
	AMS04	0.0	NA	0.009	0.0	Around the Area for Awhile and Went to All the
						Stations With the PID and Readings Were 0.0ppm
	AMS01	0.0	NA	0.019	0.0	Brett Carney From ERM Informed Me at 11:10 Th
11:30 - 11:45	AMS02	0.0	NA	0.012	0.0	There Was Coat Tar Daylighting Near Well 9B.
	AMS03	0.0	NA	0.01	0.0	XDD Shut Down Injection and Began Cleaning th
	AMS04	0.0	NA	0.008	0.0	Area. I Monitored the Exclusion Zone with the PI
						Readings Were Inbetween 0.0ppm to 16.9ppm.
	AMS01	0.0	NA	0.027	0.0	XDD Still Cleaning Up Coal Tar Around Pump 9B
12:30 - 12:45	AMS02	0.0	NA	0.013	0.0	Continued Monitoring the Exclusion Zone, and W
12.00 12.40	AMS03	0,0	NA	0.010	0.0	Getting Readings on the PID Inbetween 0.0ppm
	AMS04	0.0	NA	0.011	0.0	and 6.3ppm. Readings at all Stations Were Still
						0.0ppm. No Odor at AMS02
	AMS01	0.0	NA	0.001	0.0	
13:30 - 13:45	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	It Began Raining at 13:10, Lunch
	AMS04	0.0	NA	0,001	0.0	_
	44601	0.0	NA	0.004	0.0	
	AMS01 AMS02	0.0	NA NA	0.004	0.0	-1
14:30 - 14:45				0.009		XDD Still Cleaning Up Coal Tar Around Pump
14.30 - 14.45		1 00				
	AMS03	0.0	NA		0.0	XDD Still Cleaning Up Coal Tar Around Pump 9
	AMS03 AMS04	0.0	NA	0.002	0.0	XDD Still Cleaning Up Coal Tar Around Pump 9
	AMS04	0.0	NA	0.008	0.0	XDD Still Cleaning Up Coal Far Around Pump 9
	AMS04 AMS01	0.0	NA	0.008	0.0	XDD Still Cleaning Up Coal Far Around Pump 9
15:30 - 15:45	AMS04 AMS01 AMS02	0.0	NA NA NA	0.008 0.010 0.012	0.0	
15:30 - 15:45	AMS04 AMS01 AMS02 AMS03	0.0 0.0 0.0 0.0	NA NA NA NA	0.008 0.010 0.012 0.006	0.0 0.0 0.0 0.0	XDD Still Cleaning Up Coal for Around Pump 9 XDD Performing Well Injection
15:30 - 15:45	AMS04 AMS01 AMS02	0.0	NA NA NA	0.008 0.010 0.012	0.0	
15:30 - 15:45	AMS04 AMS01 AMS02 AMS03 AMS04	0.0 0.0 0.0 0.0 0.0	NA NA NA NA	0.008 0.010 0.012 0.006	0.0 0.0 0.0 0.0 0.0	
	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01	0.0 0.0 0.0 0.0	NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008	0.0 0.0 0.0 0.0	
15:30 - 15:45 16:30 - 16:45	AMS04 AMS01 AMS02 AMS03 AMS04	0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.008	0.0 0.0 0.0 0.0 0.0 0.0	
	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.008 0.003 0.003	0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.008 0.003 0.003 0.005 0.002	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.008 0.003 0.003 0.005 0.002	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
16:30 - 16:45	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.003 0.005 0.002 0.001	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.003 0.003 0.005 0.002 0.001 NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
16:30 - 16:45	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.003 0.003 0.005 0.002 0.001 NA NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
16:30 - 16:45	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA NA NA NA	0.008 0.010 0.012 0.006 0.008 0.003 0.003 0.005 0.002 0.001 NA NA NA NA NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
16:30 - 16:45	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS03 AMS04 AMS03	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA NA NA NA N	0.008 0.010 0.012 0.006 0.008 0.003 0.005 0.002 0.001 NA NA NA NA NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
16:30 - 16:45 17:30 - 17:45	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS01 AMS01 AMS01	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA NA NA NA N	0.008 0.010 0.012 0.006 0.008 0.003 0.005 0.002 0.001 NA NA NA NA NA NA NA NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection
16:30 - 16:45	AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04 AMS03 AMS04 AMS03	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	NA NA NA NA NA NA NA NA NA NA NA NA NA N	0.008 0.010 0.012 0.006 0.008 0.003 0.005 0.002 0.001 NA NA NA NA NA	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	XDD Performing Well Injection

Project Name:	Ameren Taylorville	Location:	Tavio	orville, IL	Sampler:	AJA
Project Number:	101-275	Date:		1/2010		
		PID (ppm)	Portable GC (ppm) Benzene	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	0.0	NA	0,009	0.0	
	AMS02	0.0	NA	0.011	0.0	-
7:30 - 7:45	AMS03	0.0	NA	0.008	0.0	XDD Perparing to Start Injections for the Day
-	AMS04	0.0	NA	0.015	0.0	┨
_						-
	AMS01	0.0	NA	0,003	0.0	
	AMS02	0.0	NA	0.006	0.0	
8:30 - 8:45	AMS03	0.0	NA	0.004	0.0	XDD Perparing to Start Injections for the Day
ľ	AMS04	0.0	NA	0.005	0.0	1
	AMS01	0.0	NA	0.007	0.0	
9:30 - 9:45	AMS02	0.0	NA	0.005	0.0	
3.30 - 3.43	AMS03	0.0	NA	0.008	0.0	XDD Perparing to Start Injections for the Day
	AMS04	0.0	NA	0.006	0.0	
	AMS01	0.0	NA	0.004	0.0	
10:30 - 10:45	AMS02	0.0	NA	0.003	0.0	
10.00 10.10	AMS03	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	
	AMS01	0.0	NA	0.002	0.0	_
11:30 - 11:45	AMS02	0.0	NA	0.005	0.0	
11,00 11,40	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.003	0.0	
	AMS01	0.0	NA	0.004	0.0	4
12:30 - 12:45	AMS02	0.0	NA	0.011	0.0	
12.00	AMS03	0.0	NA	0.002	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.005	0.0	_
	AMS01	0.0	NA	0.003	0.0	_
13:30 - 13:45	AMS02	0.0	NA	0.002	0.0	Tanker Truck Getting Ready to Fill Hydrogen
	AMS03	0.0	NA	0.017	0.0	Peroxide Tank
	AMS04	0.0	NA	0.001	0.0	-
	AMS01	0.0	NA	0,006	0.0	
	AMS01	0.0	NA	0.000	0.0	-
14:30 - 14:45	AMS02 AMS03	0.0	NA	0.003	0.0	Tanker Truck Filling Hydrogen Peroxide Tank
	AMS04	0.0	NA	0.003	0.0	
	-1004	0.0		0.001	V.U	
	AMS01	0.0	NA	0.001	0.0	
	AMS01	0.0	NA	0.001	0.0	-
15:30 - 15:45	AMS02	0.0	NA	0.003	0.0	XDD Performing Well Injection
	AMS03	0.0	NA NA	0.007	0.0	
_			1		5,0	-
	AMS01	0.0	NA	0.005	0.0	
10.00	AMS02	0.0	NA	0.003	0.0	-
16:30 - 16:45	AMS03	0.2	NA	0.001	1.0	XDD Performing Well Injection, Odor Near AMS
	AMS04	0.0	NA	0.004	0.0	<b>1 3 3 3 3 3 3 3 3 3 3</b>
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
17.30 - 17:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
18:30 - 18:45	AMS02	NA	NĂ	NA	NA	
10.30 - 10.43	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

Project Name:	Ameren Taylorville	Location:	Taylo	orville, IL	Sampler:	AJA
Project Number:	101-275	Date:		/2010		
		PID (ppm)	Portable GC (ppm)	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene	Market Mark		
		Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager I.D. EVKV 350	Model pDR-1500		
	AMS01	0.0	NA	I.D. <u>5230/Bat 1918</u> 0.001	0.0	
	AMS01	0.0	NA	0.001	0.0	-
7:30 - 7:45	AMS02 AMS03	0.0	NA	0.001	0.0	<ul> <li>XDD Perparing to Start Injections for the</li> </ul>
	AMS03	0.0	NA	0.001	0.0	Day,Raining
		0.0		0.001		-
	AMS01	0.0	NA	0.001	0.0	
	AMS02	0,0	NA	0.001	0.0	
8:30 - 8:45	AMS03	0.0	NA	0.001	0.0	<ul> <li>XDD Started Injections at 8:00, XDD Performin</li> </ul>
	AMS04	0.0	NA	0.001	0.0	Well Injection, Raining
						1
	AMS01	0.0	NA	0.001	0.0	
0.30 0.45	AMS02	0.0	NA	0.001	0.0	
9:30 - 9:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	
						<u>]</u>
	AMS01	0.0	NA	0.001	0.0	
10:30 - 10:45	AMS02	0.0	NA	0.001	0.0	_
10.00 - 10.40	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	
	AMS01	0.0	NA	0.001	0.0	-
11:30 - 11:45	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	
	AMS01	0.0	NA	0.001	0.0	_
12:30 - 12:45	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	-
	414004			0.004	0.0	
	AMS01 AMS02	0.0	NA NA	0.001	0.0	-
13:30 - 13:45		0.0	NA		1.0	XDD Performing Well Injection, Odor at AMS0
	AMS03 AMS04	0.1	NA	0.001	0.0	ADD Performing Weir Injection, Oddr at AWISC
	AIVIS04	0.0	NA	0.001	0.0	-1
	AMS01	0.0	NA	0.001	0.0	
	AMS02	0.0	NA	0.001	0.0	-1
14:30 - 14:45	AMS02 AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS03	0.0	NA	0.001	0.0	
		0.0	1	0.001	5.0	1
	AMS01	0.0	NA	0.001	0,0	
46.00 16.15	AMS02	0.0	NA	0.001	0.0	1
15:30 - 15:45	AMS03	0.0	NA	0.001	1.0	XDD Performing Well Injection, Odor at AMS
	AMS04	0.0	NA	0.001	0.0	7
	AMS01	0.0	NA	0.001	0.0	
16:30 - 16:45	AMS02	0.0	NA	0.001	0.0	
10.00 - 10.40	AMS03	0.0	NA	0.001	0.0	XDD Preparing to Shut Down for the Day
	AMS04	0.0	NA	0.001	0.0	_
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	_
	AM\$03	NA	NA	NA	NA	_
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	_
18:30 - 18:45	AMS02	NA	NA	NA	NA	_
10.30 - 10.43	AMS03	NA NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	-

Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler:	AJA
Project Number:	101-275	Date:	9/2	/2010		
		PID (ppm)	Portable GC (ppm) Benzene	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		
	AMS01	0.0	NA	0.001	0.0	
	AMS02	0.0	NA	0.001	0.0	
7:30 - 7:45	AMS03	0.0	NA	0.001	0.0	XDD Perparing to Start Injections for the
	AMS04	0.0	NA	0.001	0.0	Day,Raining
		0.0		0.00 /	0.0	
	AMS01	0.0	NA	0.001	0.0	
	AMS02	0.0	NA	0.001	0.0	
8:30 - 8:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS04	0.0	NA	0.001	0.0	·····
	AMS01	0.0	NA	0.001	0.0	
0.00 0.15	AMS02	0.0	NA	0.001	0.0	
9:30 - 9:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AM\$04	0,0	NA	0.001	0.0	<i>a</i>
	AMS01	0.0	NA	0.001	0.0	
10:00 10:15	AMS02	0.0	NA	0.001	0.0	
10:30 - 10:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	· · · · · · · · · · · · · · · · · · ·
	AMS01	0.0	NA	0.001	0.0	
11:30 - 11:45	AMS02	0.0	NA	0.001	0.0	
	AMS03	0.0	NA	0,001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	, ,
	AMS01	0.0	NA	0.001	0.0	
10.00 10.15	AMS02	0.0	NA	0.001	0.0	
12:30 - 12:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04 0.0 NA 0.001 0.0					
	AMS01	0.0	NA	0.001	0.0	
12:20 12:45	AMS02	0.0	NA	0.001	0.0	
13:30 - 13:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	
	AMS01	0.0	NA	0.001	0.0	
14:30 - 14:45	AMS02	0.0	NA	0.001	0.0	
14.30 - 14.43	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.001	0.0	
	AMS01	0.0	NA	0.001	0.0	
15:30 - 15:45	AMS02	0.0	NA	0.001	0.0	
10.00 - 10.40	AMS03	0.0	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS04	0.0	NA	0.001	0.0	
	AMS01	NA	NA	NA	NA	
16:30 - 16:45	AMS02	NA	NA	NA	NA	
10.00 - 10.40	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
18:30 - 18:45	AMS02	NA	NA	NA	NA	
. 5.00 - 10.40	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

Project Name:	Ameren Taylorville	Location:	Tavio	prville, IL	Sampler:	AJA
Project Number:	101-275	Date:		/2010	complet.	
		PID (ppm)	Portable GC (ppm) Benzene	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			1.D. EVKV 350	I.D. 5230/Bat 1918		
AMS	AMS01	0.0	NA	0.011	0.0	
7.00 7.45	AMS02	0.0	NA	0.006	0.0	
7:30 - 7:45	AMS03	0.0	NA	0,009	0.0	Tanker Truck Filling Hydrogen Peroxide Tanks
	AMS04	0.0	NA	0.004	0.0	
	AMS01	0.0	NA	0.002	0.0	
8:30 - 8:45	AMS02	0.0	NA	0.007	0.0	
0.00 0.10	AMS03	0.0	NA	0.013	0.0	Tanker Truck Filling Hydrogen Peroxide Tanks
	AMS04	0.0	NA	0.001	0.0	_
	AMS01	0.0	NA	0.008	0.0	4
9:30 - 9:45	AMS02	0.0	NA	0.011	0.0	XDD Performing Well Injection, Using Mini
	AMS03	0.0	NA	0.006	0.0	Excavator to Dig Holes for Sub-Pumps
	AMS04	0.0	NA	0,005	0.0	-
	01004	0.0	NIA	0.014	0.0	
	AMS01 AMS02	0.0	NA NA	0.014	0.0	-1
10:30 - 10:45	AMS02 AMS03	0.0	NA	0.009	0.0	<ul> <li>XDD Performing Well Injection, Using Mini</li> </ul>
	AMS03	0.0	NA	0.008	0.0	<ul> <li>Excavator to Dig Holes for Sub-Pumps</li> </ul>
	AIVIS04	0.0	INA	0.002	0.0	-
	AMS01	0.0	NA	0.009	0.0	
11:30 - 11:45	AMS02	0.0	NA	0.003	0.0	-
	AMS03	0.0	NA	0.012	0.0	XDD Performing Well Injection
	AMS03	0.0	NA	0.007	0.0	
		0.0	100	0.007	0.0	-
	AMS01	0.0	NA	0,004	0.0	
	AMS02	0.0	NA	0.001	0.0	-
12:30 - 12:45	AMS03	0.0	NA	0,006	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.012	0.0	7
	AMS01	0.0	NA	0.013	0.0	
13:30 - 13:45	AMS02	0.0	NA	0.009	0.0	
13.30 - 13.45	AMS03	0.0	NA	0.010	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.006	0.0	
	AMS01	0.0	NA	0.007	0.0	
14:30 - 14:45	AMS02	0.0	NA	0.016	0.0	XDD Performing Well Injection, Installing Sub
	AMS03	0.0	NA	0.011	0.0	Pumps
	AMS04	0.0	NA	0.008	0.0	
	A14001		<b>F14</b>	0.000		
	AMS01	0.0	NA	0.003	0.0	
15:30 - 15:45	AMS02	0.0	NA	0.014	0.0	<ul> <li>XDD Performing Well Injection, Installing Sub</li> </ul>
	AMS03	0.0	NA	0.006	0.0	Pumps
	AMS04	0.0	NA	0.008	0.0	-
	AMS01	0.0	NA	0.009	0.0	
	AMS01	0.0	NA	0.009	0.0	-1
16:30 - 16:45	AMS02 AMS03	0.0	NA	0,008	0.0	XDD Flushing Injection Lines
	AMS04	0.0	NA	0.001	0.0	Abb Hushing injection Lines
	7.41004	0.0	110	0.001	0.0	-
	AMS01	NA	NA	NA	NA	
47.00 17.15	AMS02	NA NA	NA	NA	NA	-1
17:30 - 17:45	AMS02	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	-
	AMS01	NA	NA	NA	NA	
19:30 - 19:45	AMS02	NA	NA	NA	NA	
18:30 - 18:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	

Project Name:	Ameren Taylorville	Location:		prville, IL	Sampler:	AJA
Project Number:	101-275	Date:	9/8	/2010		
			Portable GC (ppm)			
		PID (ppm)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
	LOCAGOT	Make RAE Systems	Make PhotoVac	Make MIE	-	
		model: MiniRAE2000	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. 5230/Bat 1918		
	AMS01	0.0	NA	0,003	0.0	
	AMS02	0.0	NA	0.007	0.0	-
7:30 - 7:45	AMS02	0.0	NA	0.007		
					0.0	XDD Preparing to Start Well Injection for the D
	AMS04	0.0	NA	0.010	0.0	_
ļ	AMS01	0.0	NA	0.004	0.0	
8:30 - 8:45	AMS02	0.0	NA	0.003	0.0	
0.30 - 0.43	AMS03	0.0	NA	0.009	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.005	0.0	
	,			0.000		-
	AMS01	0.0	NA	0.005	0.0	
	AMS02	0.0	NA	0.005	0.0	
9:30 - 9:45						
	AMS03	0.0	NA	0.004	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.004	0.0	
	AMS01	0.0	NA	0.001	0.0	
10:20 10:45	AMS02	0.0	NA	0.002	0.0	
10:30 - 10:45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0,0	NA	0.006	0.0	
	71004	0,0		0.000	0,0	-
	AMS01	0.0	NA	0.001	0.0	
11:30 - 11:45			NA			_
	AMS02	0.0	NA	0.003	0.0	
	AMS03	0.0	NA	0,003	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.002	0.0	
	AMS01	0.0	NA	0.008	0.0	
	AMS02	0.0	NA	0.003	0.0	-
12:30 - 12:45	AMS03	0.0	NA	0.017	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.004	0.0	
	AIVI304	0.0	INA	0.004	0.0	-
	AMS01	0.0	NA	0.010	0.0	_
13:30 - 13:45	AMS02	0.0	NA	0.002	0.0	
10.00 10.10	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.013	0.0	
	AMS01	0,0	NA	0.005	0.0	
	AMS02	0.0	NA	0.001	0.0	7
14:30 - 14:45	AMS02	0.0	NA	0.018	0.0	XDD Performing Well Injection
	AMS04	0.0		0.001	0.0	
	AIVI504	0,0	NA	0.001	0.0	
	AMS01	0.0	NA	0.011	0.0	_
15:30 - 15:45	AMS02	0.0	NA	0.003	0.0	
10.00 - 10.40	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.0	NA	0.007	0.0	
						7
	AMS01	0.0	NA	0.004	0.0	
	AMS02	0.0	NA	0.002	0.0	
16:30 - 16:45		0.0			0.0	YOD Eluphian Intention Lines
	AMS03		NA	0.001		XDD Flushing Injection Lines
	AMS04	0.0	NA	0.012	0.0	
				L		
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
17:30 - 17:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	7
		1	NA	NA	NA	
	AMS01	ΝΔ			I INA	
	AMS01	NA				
18:30 - 18:45	AMS02	NA	NA	NA	NA	
18:30 - 18:45						

Designed Married	American Textle eville	1 a catila a		SAMPLING FIELD LOG		
Project Name: Project Number:	Ameren Taylorville 101-275	Location: Date:		orville, IL 0/2010	Sampler:	AJA
Project Number.	101-275	Date.	9/5	12010		
			Podable CC (ppm)			
		PID (ppb)	Portable GC (ppm)	PM <sub>10</sub> mg/m3	Odor	Remarks
		1 10 (ppo)	Benzene	1 10 1191113	0001	Reffacts
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRae Plus	Model Voyager	Model pDR-1500		
		2.4	I.D. EVKV 350	I.D. 5230/Bat 1918		
F	AMS01	0.1	NA	0.001	0.0	4
	AMS02	0.1	NA	0.004	0.0	
7:30 - 7:45	AMS03	0.1	NA	0.003	0.0	XDD Preparing to Start Well Injection for the Da
L	AMS04	0.1	NA	0.004	0.0	Added RT05 Outside Fence
	RT05	0.1	NA	0.007	0.0	
L	AMS01	0,1	NA	0,003	0.0	
L	AMS02	0.1	NA	0.002	0.0	
8:30 - 8:45	AMS03	0.1	NA	0.009	0.0	XDD Boforming Wall Injustion
	AMS04	0.1	NA	0.008	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.013	0.0	7
						7
	AMS01	0.1	NA.	0.004	0.0	
F	AMS02	0.1	NA	0.008	0.0	1
9:30 - 9:45	AMS03	0.1	NA	0.005	0.0	
F	AMS04	0.1	NA	0,003	0.0	XDD Performing Well Injection
F	RT05	0.1	NA	0.005	0.0	1
			1	0.000	0.0	1
	AMS01	0.1	NA	0.012	0.0	<u> </u>
F	AMS01 AMS02	0,1	NA NA	0.012	0.0	4
10:30 - 10:45	AMS02 AMS03	0.1	NA	0.009	0.0	-
10.00 - 10.40	AMS03	0.1	NA NA	0.007	0.0	XDD Performing Well Injection
F	RT05				0.0	4
	CU171	0.1	NA	0,006	U.U	-
	414004	0.1		0.000		
F	AMS01	0.1	NA	0.008	0.0	-
44.00 44.45	AMS02	0.1	NA	0.004	0.0	-
11:30 - 11:45	AMS03	0.1	NA	0.003	0.0	XDD Performing Well Injection
	AMS04	0.1	NA	0.004	0.0	
	RT05	0.1	NA	0.006	0.0	
L	AMS01	0.1	NA	0.014	0.0	
L	AMS02	0.1	NA	0.002	0.0	
12:30 - 12:45	AMS03	0.1	NA	0.009	0.0	XDD Barfarmian Mall Injection
Γ	AMS04	0.1	NA	0.007	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.006	0.0	
						7
	AMS01	0,1	NA	0.009	0.0	
ſ	AMS02	0,1	NA	0.008	0.0	7
13:30 - 13:45	AMS03	0,1	NA	0.004	0.0	<b>1</b>
t t	AMS04	0.1	NA	0.005	0,0	XDD Performing Well Injection
F	RT05	0.1	NA	0.004	0.0	-
						-
_	AMS01	0.1	NA	0.017	0.0	
F	AMS02	0.1	NA	0.005	0.0	1
14:30 - 14:45	AMS02	0.1	NA	0.003	0.0	1
	AMS03	0.1	NA	0.003	0.0	XDD Performing Well Injection
F	RT05	186.0	NA	0.003	1.0	-
		100.0	100	0.014	1.0	-
	AMS01	0.1	NA	0.006	0.0	
F	AMS02	0.1	NA	0.008	0.0	-1
15:30 - 15:45	AMS03	0.1	NA NA			-
10.00 - 10.40				0.011	0.0	XDD Performing Well Injection
F	AMS04	0.1	NA NA	0.004	0.0	
	RT05	41.0	NA	0.002	1.0	4
	414004	0.1	NIA.	0.002		
ŀ	AMS01	0.1	NA	0.003	0.0	4
10:00 10:15	AMS02	0.1	NA	0.005	0.0	4
16:30 - 16:45	AMS03	0.1	NA	0.005	0.0	XDD Flushing Injection Lines
Ļ	AMS04	0.1	NA	0.010	0.0	
	RT05	0.1	NA	0.002	0.0	4
Ļ	AMS01	NA	NA	NA	NA	4
	AMS02	NA	NA	NA	NA	4
17:30 - 17:45	AMS03	NA	NA	NA NA		
[	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
	AMS01	NA	NA	NA	NA	
ŀ	AMS02	NA	NA	NA	NA	7
18:30 - 18:45	AMS03	NA	NA	NA	NA	1
		NA	NA	NA	NA	-1
	AMS04					
	AMS04 RT05	NA	. NA	NA	NA	-

D. 1 111 1	A	,				
Project Name: Project Number:	Ameren Taylorville 101-275	Location: Date:		orville, IL 0/2010	Sampler.	AJA
Fioject Number.	101-275	Date:	9/1			
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
		Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRae Plus	Model Voyager	Model <u>pDR-1500</u>		
	AMS01	0.1	I.D. EVKV 350 NA	I.D. <u>5230/Bat 1918</u> 0.001	0,0	
-	AMS02	0.1	NA	0.001	0.0	-
7:30 - 7:45	AMS02 AMS03	0.1	NA	0.001	0.0	A XDD Preparing to Start Well Injection for the Day
1.00 1.10	AMS04	0.1	NA	0.001	0.0	Raining
l l	RT05	0.1	NA	0.001	0.0	1
						1
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	]
8:30 - 8:45	AMS03	0.1	NA	0,001	0.0	XDD Performing Well Injection, Raining
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
	AMS01	0.1	NA	0.001	0.0	4
0.20 0.45	AMS02	0.1	NA	0.001	0.0	4
9:30 - 9:45	AMS03	0.1	NA	0.001	0.0	XDD Performing Well Injection, Raining
	AMS04 RT05	0.1	NA NA	0.001	0.0	4
	RIUJ	0.1		0.001	0.0	4
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	1
10:30 - 10:45	AM\$03	0.1	NA	0.001	0,0	
	AMS04	0.1	NA	0.001	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.001	0.0	1
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	
11:30 - 11:45	AMS03	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
	AMS01	0,1	NA	0.001	0.0	-
40.00 40.45	AMS02	0.1	NA	0.001	0.0	_
12:30 - 12:45	AMS03	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS04 RT05	0.1	NA NA	0.001	0.0	-
	RIUS	0.1		0.001	0.0	4
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	4
13:30 - 13:45	AMS03	0.1	NA	0.001	0.0	1
	AMS04	0.1	NA	0.001	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.001	0.0	7
						7
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	1
14:30 - 14:45	AMS03	0.1	NA	0.001	0.0	XDD Performing Well Injection
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	-
	AM204	0.1	ALA .	0.004	0.0	
	AMS01 AMS02	0.1	NA NA	0.001	0.0	-
15:30 - 15:45	AMISU2 AMISU2	0.1	NA	0,001	0.0	-
10.00 10.40	AMS03 AMS04	0.1	NA	0.001	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.001	0.0	-
		1		0.001	5.0	1
	AMS01	0.1	NA	0.001	0.0	1
	AMS02	0.1	NA	0.001	0.0	1
16:30 - 16:45	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	RT05	0.1	NA	0.001	0.0	_
	AMS01	NA	NA	NA	NA	_
17.00	AMS02	NA	NA	NA	NA	-
17:30 - 17:45	AMS03	NA	NA	NA	NA	_
	AMS04	NA	NA	NA	NA	-
	RT05	NA	NA	NA	NA	4
	AM201	NIA.	NIA	814		
	AMS01 AMS02	NA NA	NA NA	NA NA	NA NA	-
18:30 - 18:45	AMS02 AMS03	NA	NA NA	NA NA	NA NA	-
10.00 - 10.40	AMSOA					
10.00 - 10.40	AMS04 RT05	NA NA	NA NA	NA NA	NA NA	_

Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler:	DSS
Project Number.	101-275	Date:	11/1	0/2010		
			Portable GC (ppm)			
		PID (ppb)	<b>D</b>	PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Make RAE Systems	Benzene Make PhotoVac	Males MIT		
		model: ppbRae Plus	Model Voyager	Make <u>MIE</u> Model pDR-1500		
		model: ppbkae Plus	I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		465 5 65 7mmh 20.00
	AMS01	0.1	NA	0.044	0.0	46F E,SE 7mph 30.09
ŀ	AMS02	11.0	NA	0.037	0.0	4
7:30 - 7:45	AMS02 AMS03	0.1	NA	0.037	0.0	4
1.50 - 1,45	AMS04	160.0	NA	0.133	0.0	<ul> <li>XDD Preparing to Start Well Injection for the D</li> </ul>
ŀ	RT05	0.1	NA	0.001	0.0	-
	11100	0.1	110	0.001	0.0	-
	AMS01	0.1	NA	0.023	0.0	
t t	AMS02	0.1	NA	0.035	0.0	4
8:30 - 8:45	AMS03	0.1	NA	0.036	0.0	-
	AMS04	46.0	NA	0.032	0.0	<ul> <li>XDD Performing Well Injection</li> </ul>
ſ	RT05	4.0	NA	0.046	0.0	1
_						1
	AMS01	0.1	NA	0.001	0.0	
1	AMS02	0.1	NA	0.001	0.0	1
9:30 - 9:45	AMS03	0.1	NA	0.001	0.0	XDD Performing Well Injection. Day lighting ne
1	AMS04	0.1	NA	0.001	0.0	station 5 (inside fence). Slight odor.
	RT05	0.1	NA	0.001	0.0	]
						]
	AMS01	0.1	NA	0.052	0.0	
[	AMS02	0.1	NA	0.018	0.0	
10:30 - 10:45	AMS03	0.1	NA	0.016	0.0	XDD Performing Well Injection
	AMS04	6.0	NA	0.018	0.0	
	RT05	16.0	NA	0.021	0.0	
	AMS01	0.1	NA	0.020	0.0	
	AMS02	0.1	NA	0.016	0.0	
11:30 - 11:45	AMS03	0.1	NA	0.014	0.0	XDD Performing Well Injection
-	AMS04	2.0	NA	0.015	0.0	
	RT05	0.1	NA	0.032	0.0	
	AMS01	0.1	NA	0.016	0.0	
	AMS02	4.0	NA	0.046	0.0	XDD Performing Well Injection
12:30 - 12:45	AMS03	4.0	NA	0.027	0.0	
	AMS04	16.0	NA	0.038	0.0	
	RT05	0.1	NA	0.012	0.0	
		0.4	1	0.001		
	AMS01	0.1	NA	0.061	0.0	4
10.00 10.45	AMS02	3.0	NA	0.010	0.0	-
13:30 - 13:45	AMS03	1.0	NA	0.009	0.0	XDD Performing Well Injection
	AMS04 RT05	2.0	NA	0.025	0.0	-
	RIUS	5.0	NA	0.031	0.0	-
	AMS01	16.0	NIA	0.017	0.0	
-	AMS01 AMS02	0.1	NA NA	0.017	0.0	-
14:30 - 14:45	AMS02	0.1	NA NA	0.026	0.0	XDD Performing Well Injection. Day lighting ne
, 1.00 - 14.40	AMS03	0.1	NA NA	0.019	0.0	station 5 (outside fence). Slight odor.
	RT05	0.1	NA	0.017	0.0	
	1100			0.004	0.0	-
	AMS01	0.1	NA	0.042	0.0	
	AMS02	27.0	NA	0.042	0.0	1
15:30 - 15:45	AMS02	0.1	NA	0.013	0.0	1
	AMS04	0.1	NA	0.013	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.016	0.0	1
					5.0	1
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	1
16:30 - 16:45	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	<ul> <li>XDD Flushing Injection Lines</li> </ul>
	RT05	0.1	NA	0.001	0.0	7
						7
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	1
17:30 - 17:45	AMS03	NA	NA	NA	NA	]
	AMS04	NA	NA	NA	NA	]
	RT05	NA	NA	NA	NA	7
					/	7
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	7
18:30 - 18:45	AMS03	NA	NA	NA	NA	7
	AMS04	NA	NA	NA	NA	7
	RT05	NA	NA	NA	NA	7

Drain at Mamai	Amereo Teulos ille	Leastion		SAMPLING FIELD LOG		
Project Name: Project Number;	Ameren Taylorville 101-275	Location: Date:		orville, IL 10/2010	Sampler:	DSS
i iojectivalibei,	101-275	Date.	11/1	10/2010		
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
		Make RAE Systems	Make <u>PhotoVac</u> Model Voyager	Make <u>MIE</u> Model <u>pDR-1500</u>		
		model: ppbRae Plus	I.D. EVKV 350	I.D. 5230/Bat 1918		46F E,SE 7mph 30.09
	AMS01	0.1	NA	0.020	0.0	401 E,SE 71101 30.03
	AMS02	0.1	NA	0.025	0.0	-
7:30 - 7:45	AMS03	0.1	NA	0.014	0.0	
	AMS04	0.1	NA	0.021	0.0	<ul> <li>XDD Preparing to Start Well Injection for the Da</li> </ul>
	RT05	0.1	NA	0.025	0.0	
	AMS01	0.1	NA	0.017	0.0	_
8:30 - 8:45	AMS02	0.1	NA NA	0.022	0.0	-
0.30 - 0.43	AMS03 AMS04	0.1	NA	0.012 0.019	0.0	<ul> <li>XDD Performing Well Injection</li> </ul>
	RT05	0.1	NA	0.019	0.0	-
	11100	0.1		0.024	0.0	-
	AMS01	0.1	NA	0.021	0.0	
	AMS02	0.1	NA	0.031	0.0	]
9:30 - 9:45	AM\$03	0.1	NA	0.024	0.0	XDD Performing Well Injection. Day lighting nea
	AMS04	0.1	NA	0.012	0.0	station 5 (inside fence). Slight odor.
	RT05	0.1	NA	0.011	0,0	4
	414004	0.4	NIA.	0.044	0.0	
	AMS01 AMS02	0.1	NA NA	0.011	0.0	
10:30 - 10:45	AMS02 AMS03	0,1	NA NA	0.004	0.0	-1
10.00 - 10.40	AMS04	4.0	NA NA	0.012	0.0	XDD Performing Well Injection
	RT05	1,0	NA	0.043	0.0	-
						-
	AMS01	0.1	NA	0.016	0.0	
	AMS02	4.0	NA	0.024	0.0	
11:30 - 11:45	AMS03	0.1	NA	0.016	0.0	XDD Performing Well Injection
	AMS04	0.1	NA	0.032	0.0	
	RT05	0.1	NA	0.008	0.0	_
	AMS01	0.1	NIA	0.014	0.0	
	AMS01 AMS02	0.1	NA NA	0.014	0.0	-
12:30 - 12:45	AMS02 AMS03	0.1	NA	0.020	0.0	-
12.00 12.00	AMS04	0.1	NA	0.013	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0.011	0,0	1
	AMS01	0.1	NA	0,022	0.0	
	AMS02	3.0	NA	0.015	0.0	
13:30 - 13:45	AMS03	318.0	NA	0.022	0,0	XDD Performing Well Injection. Day lighting ne
	AMS04 RT05	15.0 23.0	NA NA	0.014	0.0	station 5 (outside fence). Slight odor.
		23.0	NA NA	0.062	0.0	-
	AMS01	6.0	NA	0.012	0.0	
	AMS02	3.0	NA	0.020	0.0	
14:30 - 14:45	AMS03	12.0	NA	0.018	0.0	<ul> <li>XDD Performing Well Injection. Day lighting ne station 5 (outside faces). Slight adapt Matified 5</li> </ul>
	AMS04	170.0	NA	0.032	0.0	station 5 (outside fence). Slight odor. Notified E of high PID numbers.
	RT05	2268.0	NA	0.013	0.0	or night Pito humbers.
	AMS01	0.1	NA	0.042	0.0	_
15:30 - 15:45	AMS02 AMS03	27.0 0.1	NA NA	0.019	0.0	
10.00 - 10.40	AMS04	0.1	NA NA	0.014	0.0	XDD Performing Well Injection
	RT05	0.1	NA	0,026	0.0	
				5,525	0.0	
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	
16:30 - 16:45	AMS03	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	AMS04	0.1	NA	0.001	0.0	
	RT05	0.1	NA	0.001	0.0	
	AMS01	NA	NA	NA	NA	
	AMS01 AMS02	NA NA	NA NA	NA NA	NA NA	
17:30 - 17:45	AMS02 AMS03	NA	NA	NA	NA	-
	AMS04	NA	NA NA	NA	NA	4
	RT05	NA	NA	NA	NA	-1
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
10.00 11 -						
18:30 - 18:45	AMS03	NA	NA	NA	NA	
18:30 - 18:45		NA NA NA	NA NA NA	NA NA NA	NA NA NA	

Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler.	DSS
Project Number:	101-275	Date:		2/2010	· ·	
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location	Maka DAE Sustema	Benzene	Male ANT		
		Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRae Plus	Nodel Voyager I.D. EVKV 350	Model pDR-1500		
	AMS01	30.0	NA	I.D. <u>5230/Bat 1918</u> 0.034	0.0	
F	AMS01 AMS02	169.0	NA	0.034	0.0	-
7:30 - 7:45	AMS02 AMS03	98.0	NA NA	0.037	0.0	-
1.00 - 1.40	AMS03	36.0	NA	0.033	0.0	<ul> <li>XDD Preparing to Start Well Injection for the Data</li> </ul>
F		15.0	NA NA	0.034	0.0	-
	1(100	10.0		0.004	0.0	-
	AMS01	12.0	NA	0.024	0,0	
F	AMS02	0.1	NA	0.031	0.0	-
8:30 - 8:45	AMS03	30.0	NA	0.023	0.0	1
F	AMS04	0.1	NA	0.027	0.0	XDD Performing Well Injection
Г	RT05	203.0	NA	0.131	0.0	7
						7
	AMS01	0.1	NA	0.017	0.0	
	AMS02	0.1	NA	0.011	0.0	
9:30 - 9:45	AMS03	21,0	NA	0.015	0.0	XDD Performing Well Injection.
	AMS04	0.1	NA	0,014	0.0	
	RT05	21.0	NA	0.024	0.0	4
Ļ	AMS01	0.1	NA	0.021	0.0	_
	AMS02	0.1	NA	0.012	0.0	4
10:30 - 10:45	AMS03	24.0	NA	0.034	0.0	XDD Performing Well Injection
Ļ	AMS04	4.0	NA	0.016	0.0	
	RT05	131.0	NA	0.009	0.0	-
	AMS01	9.0	NA	0.019	0.0	
ŀ	AMS01	15.0	NA NA	0.019	0.0	-
11:30 - 11:45	AMS02	6.0	NA NA	0.031	0.0	-
11.30 - 11.45	AMS03	0.0	NA NA	0.049	0.0	XDD Performing Well Injection
	RT05	15.0	NA	0.098	0.0	-
	RT05	15.0	I NA	0.089	0.0	-
	AMS01	8.0	NA	0.016	0.0	
ŀ	AMS02	6.0	NA	0.042	0.0	-
12:30 - 12:45	AMS03	4.0	NA	0.031	0.0	-
12.00	AMS04	9,0	NA	0.012	0.0	<ul> <li>XDD Performing Well Injection</li> </ul>
F	RT05	3.0	NA	0.006	0.0	
						7
	AMS01	0.1	NA	0.017	0.0	
[	AMS02	60.0	NA	0.011	0.0	
13:30 - 13:45	AMS03	19.0	NA	0.010	0.0	XDD Performing Well Injection
	AMS04	0.1	NA	0.010	0.0	XDD Ferforming Web injection
	RT05	226.0	NA	0.089	0.0	
-	AMS01	4.0	NA	0.019	0.0	_
14:00 44:45	AMS02	0.1	NA	0.026	0.0	-1
14:30 - 14:45	AMS03	0,1	NA	0.003	0.0	XDD Performing Well Injection.
ŀ	AMS04	0.1	NA	0.009	0.0	
	RT05	119.0	NA	0.026	0.0	
	AMS01	28.0	ΝΔ	0.012	0.0	
ŀ	AMS02	28.0	NA NA	0.013	0.0	-1
15:30 - 15:45	AMS02	0.1	NA	0.013	0.0	-1
. 5.00 10.70	AMS04	24.0	NA	0.011	0.0	XDD Performing Well Injection
ł		38.0	NA	0.012	0.0	-
			1			1
	AMS01	0.1	NA	0.001	0.0	
i l	AMS02	0.1	NA	0.001	0.0	7
16:30 - 16:45	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
[	RT05	0.1	NA	0.001	0.0	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
17:30 - 17:45	AMS03	NA	NA	NA	NA	_
ļ	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
	414004					
	AMS01	NA NA	NA	NA	NA	
1	AMS02	NA	NA	NA NA	NA NA	
19:20 19:40	A14000				NA	
18:30 - 18:45	AMS03	NA	NA			_
18:30 - 18:45	AMS03 AMS04 RT05	NA NA NA	NA NA NA	NA NA NA	NA NA	-

Draiget Nome:	Amoroa Tauloavilla	Location:	Tavia	orville, IL	Sampler,	DSS
Project Name: Project Number:	Ameren Taylorville 101-275	Date:		3/2010	Sampier.	033
. rejournamber.	101 210	Date.	· · · · ·			
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene	_		
		Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRae Plus	Model Voyager	Model <u>pDR-1500</u>		
	AMS01	0.1	I.D. EVKV 350 NA	I.D. <u>5230/Bat 1918</u> 0.028	0.0	46F E,SE 7mph 30.09
	AMS01 AMS02	0.1	NA	0.028	0.0	-
7:30 - 7:45	AMS02 AMS03	0.1	NA	0.032	0.0	-
1.00 1.40	AMS04	288.0	NA	0.033	0.0	<ul> <li>XDD Preparing to Start Well Injection for the Da</li> </ul>
-	RT05	0.1	NA	0.031	0.0	-
						-
	AMS01	3.0	NA	0.006	0.0	
	AMS02	22.0	NA	0.008	0.0	
8:30 - 8:45	AMS03	39.0	NA	0.007	0.0	XDD Performing Well Injection
	AMS04	6.0	NA	0.007	0.0	XBD F choming weir injection
	RT05	4.0	NA	0.006	0.0	
	AMS01	0.1	NA	0.006	0.0	4
0.20 0.45	AMS02	0.1	NA	0.005	0.0	4
9:30 - 9:45	AMS03 AMS04	85.0 22.0	NA NA	0.008	0.0	<ul> <li>XDD Performing Well Injection.</li> </ul>
	RT05	19.0	NA NA	0.005	0.0	-
	RIUS	19.0		0.002	0.0	-
	AMS01	42.0	NA	0.023	0,0	1
	AMS01	0.1	NA NA	0.023	0.0	1
10:30 - 10:45	AMS02 AMS03	85.0	NA	0.000	0.0	XDD Performing Well Injection. All exhaust from
	AMS04	0.1	NA	0.006	0.0	wells is being plummed into a portable tank
	RT05	0,1	NA	0.007	0.0	
						7
	AMS01	0.1	NA	0.030	0.0	
	AMS02	0.1	NA	0.044	0.0	7
11:30 - 11:45	AMS03	45.0	NA	0.006	0.0	XDD Performing Well Injection
	AMS04	0.1	NA	0.006	0.0	
	RT05	0.1	NA	0.003	0.0	
						_
	AMS01	0.1	NA	0.045	0.0	_
10.00 10.15	AMS02	0.1	NA	0.012	0.0	
12:30 - 12:45	AMS03	62.0	NA	0.003	0.0	XDD Performing Well Injection
	AMS04	0.1	NA NA	0.008	0.0	-
	RT05	41.0	NA	0.006	0.0	-
	AMS01	0.1	NA	0.003	0.0	
	AMS02	1.0	NA	0.008	0.0	-
13:30 - 13:45	AMS03	64.0	NA	0.009	0.0	-
	AMS04	3.0	NA	0.026	0.0	XDD Performing Well Injection.
	RT05	12.0	NA	0.031	0.0	-
	AMS01	0.1	NA	0.007	0.0	
	AMS02	0.1	NA	0.020	0.0	
14:30 - 14:45	AMS03	13.0	NA	0.009	0.0	XDD Performing Well Injection.
	AMS04	1.0	NA	0.011	0.0	
	RT05	14.0	NA	0.006	0.0	4
	A11001		·	0.001		
	AMS01	0.1	NA	0.004	0.0	
15:30 - 15:45	AMS02	1.0	NA	0.026	0.0	
10.00 - 10:45	AMS03 AMS04	14.0 41.0	NA NA	0.019	0.0	XDD Performing Well Injection
	RT05	36.0	NA	0.039	0.0	-1
	11105	00.0	11/5	0.003	0.0	-
	AMS01	0.1	NA	0.001	0.0	
	AMS02	0.1	NA	0.001	0.0	-1
16:30 - 16:45	AMS03	0.1	NA	0.001	0.0	
	AMS04	0.1	NA	0.001	0.0	XDD Flushing Injection Lines
	RT05	0.1	NA	0.001	0.0	]
						-
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	_
17:30 - 17:45	AMS03	NA	NA	NA NA		
	AMS04	NA	NA	NA	NA	-1
	RT05	· NA	NA	NA	NA	-1
	AM201	NA	NA	NA	NA	
	AMS01 AMS02	NA	NA NA	NA	NA NA	
18:30 - 18:45	AM\$02 AM\$03	NA	NA NA	NA	NA NA	
10.00 - 10.40	AMS03 AMS04	NA	NA	NA	NA	$\dashv$
	RT05	NA NA	NA	NA	NA	

Project Name:	Ameren Taylorville	Location:	Taylo	prville, IL	Sampler:	DSS
Project Number.	101-275	Date:		5/2010		
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene			
	Loodaton	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRae Plus	Model Voyager	Model pDR-1500		
		455.0	I.D. EVKV 350	I.D. <u>5230/Bat 1918</u>		42.1F E,SE 2.4mph 29.27
	AMS01	155.0	NA	0.020	0.0	_
7:00 7:45	AMS02	196.0	NA	0.016	0.0	_
7:30 - 7:45	AMS03	20.0	NA	0.008	0.0	XDD Preparing to Start Well Injection for the Da
	AMS04	41.0 71.0	NA NA	0.005	0,0	-
	RT05	71.0		0.015	0.0	-
	AMS01	12.0	NA	0,008	0.0	
	AMS02	134.0	NA	0.008	0.0	-
8:30 - 8:45	AMS03	0.0	NA	0.010	0.0	-
	AMS04	50.0	NA	0.009	0,0	XDD Performing Well Injection
	RT05	29.0	NA	0,009	0.0	7
	AMS01	12.0	NA	0.039	0.0	
	AMS02	13.0	NA	0.012	0.0	
9;30 - 9:45	AMS03	1.0	NA	0.009	0.0	XDD Performing Well Injection.
	AMS04	9.0	NA	0.011	0.0	ADD Fonoming Weiningeolon.
	RT05	4.0	NA	0.001	0.0	_
	AMS01	8.0	NA	0.006	0.0	4
10.00	AMS02	62,0	NA	0.008	0.0	-1
10:30 - 10:45	AMS03	8.0	NA	0.010	0.0	<ul> <li>XDD Performing well injection.</li> </ul>
	AMS04	12.0	NA	0.007	0.0	
	RT05	87.0	NA	0.016	0.0	-
	AMS01	3.0	NA	0.003	0.0	
	AMS01	6.0	NA	0.003	0.0	
11:30 - 11:45	AMS02 AMS03	14.0	NA	0.008	0.0	
11:30 - 11:45	AMS03	281.0	NA	0.004	0.0	<ul> <li>XDD Performing Well Injection</li> </ul>
	RT05	59.0	NA	0.003	0.0	_
		00.0		0.000	0.0	-
	AMS01	96.0	NA	0.001	0.0	
	AMS02	25.0	NA	0.009	0.0	-
12:30 - 12:45	AMS03	117.0	NA	0.002	0.0	XDD Performing well injection. Daylighting ne
	AMS04	188.0	NA	0.007	0,0	station 5 (inside fence)
	RT05	108.0	NA	0.009	0.0	,
	AMS01	4.0	NA	0.091	0.0	
	AMS02	9.0	NA	0.038	0.0	
13:30 - 13:45	AMS03	16.0	NA	0.041	0.0	XDD Performing well injection. Daylighting ne
	AMS04	38.0	NA	0.019	0.0	station 5 (inside fence)
	RT05	0.1	NA	0,003	0.0	
		40.0		0.000		
	AMS01	13.0	NA	0.009	0.0	
14:30 - 14:45	AMS02	12.0	NA NA	0.011	0.0	YDD Refemies well injection Devlicit's
14.30 - 14:45	AMS03	190.0	NA	0.004	0.0	XDD Performing well injection. Daylighting ne
	AMS04 RT05	8.0	NA NA	0.061	0.0	station 5 (inside fence)
	11103	42.0		0.011	0.0	
	AMS01	32.0	NA	0.019	0.0	
	AMS02	63.0	NA	0.021	0.0	-
15:30 - 15:45	AMS03	42.0	NA	0.036	0.0	XDD Performing well injection. Daylighting ne
	AMS04	74.0	NA	0.012	0.0	station 5 (inside fence)
	RT05	83.0	NA	0.039	0.0	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
16:30 - 16:45	AMS03	NA	NA	NA	NA	_
	AMS04	NA	NA	NA	NA	_
	RT05	NA	NA	NA	NA	_
	414001					
	AMS01	NA	NA	NA	NA	
17:30 - 17:45	AMS02	NA	NA	NA	NA	
17.30 - 17:43	AMS03	NA	NA	NA	NA	
	AMS04 RT05	NA NA	NA NA	NA NA	NA NA	
	I I I I I I I I I I I I I I I I I I I		1974	INA	INA	
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	-
18:30 - 18:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	-
	RT05	NA	NA	NA	NA	
	1(100		11/1			

Project Marrie	Amoron Toudan du	J		SAMPLING FIELD LOG		
Project Name: Project Number:	Ameren Taylorville 101-275	Location: Date:		orville, IL 6/2010	Sampler:	DSS
a roject Number:	101-275	Date:	11/1	072010		
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
Time	Location		Benzene		. <u> </u>	
T ATTC	Location	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: pobRae Plus	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	1.D. <u>5230/Bat 1918</u>		38F E,SE 3mph 30.04
-	AMS01 AMS02	6.0 16.0	NA NA	0.006	0.0	-
7:30 - 7:45	AMS02 AMS03	12.0	NA NA	0.009	0.0	-
7.30-7.43	AMS04	8.0	NA	0.011	0.0	XDD Preparing to Start Well Injection for the Day
ŀ	RT05	4,0	NA	0.009	0.0	-
				0,000	0,0	-
	AMS01	180.0	NA	0.030	0.0	· · · · · · · · · · · · · · · · · · ·
T	AMS02	34.0	NA	0.024	0.0	
8:30 - 8:45	AMS03	24.0	NA	0.030	0.0	XDD Performing Well Injection
	AMS04	141.0	NA	0.038	0.0	XBB Ferforming Wenthjection
	RT05	63.0	NA	0.033	0.0	
		100.0				
	AMS01	180.0	NA	0.031	0.0	4
9:30 - 9:45	AMS02 AMS03	<u>39.0</u> 46.0	NA NA	0.028	0.0	4
5.50 - 5.45	AMS03	0.0	NA	0.001	0.0	XDD Performing Well Injection.
1		95.0	NA	0.008	0.0	4
		00,0	177	0.007	0.0	1
	AMS01	0.0	NA	0.042	0.0	
ſ	AMS02	63.0	NA	0,036	0.0	1
10:30 - 10:45	AMS03	195.0	NA	0.027	0.0	XDD Performing Well Injection. Daylighting.
[	AMS04	234.0	NA	0.023	0.0	Burning leaves in park.
	RT05	87.0	NA	0.023	0.0	
	AMS01	146.0	NA	0.019	0.0	
44:00 44:45	AMS02	219.0	NA	0.024	0.0	
11:30 - 11:45	AMS03	160.0	NA NA	0.016	0.0	XDD Performing Well Injection. Daylighting.
-	AMS04 RT05	82.0 39.0	NA NA	0.024	0.0	Burning leaves in park.
	KIU5	39,0	NA	0.036	0.0	4
	AMS01	48.0	NA	0,018	0.0	
	AMS02	42.0	NA	0.006	0.0	4
12:30 - 12:45	AMS03	164,0	NA	0.004	0.0	XDD Performing Well Injection. Daylighting.
	AMS04	234.0	NA	0.006	0.0	Burning leaves in park.
ľ	RT05	16.0	NA	0,039	0.0	
	AMS01	98.0	NA	0.019	0.0	
	AMS02	46.0	NA	0.064	0.0	
13:30 - 13:45	AMS03	32.0	NA	0.039	0.0	XDD Performing Well Injection. Daylighting.
	AMS04	109.0	NA	0.052	0.0	Burning leaves in park.
	RT05	167.0	NA	0.045	0.0	_
	AMS01	102.0	NA	0.051	0.0	
	AMS01	169.0	NA	0.049	0.0	-
14:30 - 14:45	AMS02 AMS03	567.0	NA	0.032	0.0	XDD Performing Well Injection. Daylighting.
	AMS04	892.0	NA	0.032	0.0	Burning leaves in park.
	RT05	28.0	NA	0.006	0,0	
						1
	AMS01	19.0	NA	0.079	0.0	
	AMS02	0.0	NA	0.078	0.0	
15:30 - 15:45	AMS03	161.0	NA	0.011	0.0	XDD Performing Well Injection. Daylighting.
	AMS04	32.0	NA	0.019	0.0	Burning leaves in park.
	RT05	28.0	NA	0.008	0.0	-
	AMS01	NA	NA	NA	NA	
	AMS02	NA NA	NA NA	NA NA	NA NA	-
16:30 - 16:45	AMS03	NA NA	NA	NA NA	NA	-
	AMS03	NA	NA	NA	NA	1
	RT05	NA	NA	NA	NA	1
						1
	AMS01	NA	NA	NA	NA	
	AMS02	NA	NA	NA	NA	
17:30 - 17:45	AMS03	NA	NA	NA	NA	
	AMS04	NA	NA	NA	NA	_
	RT05	NA	NA	NA	NA	_
	AMS01	NA	NA	NA	NA	4
		NA	NA	NA	NA	
10-20 10-17	AMS02		NIA.	<b>k1</b> A	3.1.6	
18:30 - 18:45	AMS03	NA	NA	NA	NA	-
18:30 - 18:45			NA NA NA	NA NA NA	NA NA NA	-

Project Name:	Amoroo Touloovillo	Location		SAMPLING FIELD LOG	Constant	200
Project Name: Project Number,	Ameren Taylorville 101-275	Location: Date:		7/2010	Sampler	DSS
FIOJECT NUMBER	101-275	Date:	11/1	112010		
			Portable GC (ppm)			
		PID (ppb)		PM <sub>10</sub> mg/m3	Odor	Remarks
-			Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRae Plus	Model Voyager	Model pDR-1500		
			I.D. EVKV 350	I.D. 5230/Bat 1918		42.8F E,SE 4.2mph 29.45
	AMS01	527.0	NA	0.039	0.0	
Г	AMS02	393.0	NA	0.006	0.0	1
7:30 - 7:45	AMS03	12.0	NA	0.019	0.0	
	AMS04	8.0	NA	0,072	0.0	XDD Preparing to Start Well Injection for the Da
	RT05	126.0	NA	0.036	0.0	]
	AMS01	21.0	NA	0.010	0,0	
	AMS02	72.0	NA	0.010	0.0	
8:30 - 8:45	AMS03	36.0	NA	0.019	0.0	_ XDD Performing Well Injection. Burning leaves
L	AMS04	82.0	NA	0.027	0.0	Daylighting near station 5 (inside fence).
	RT05	122.0	NA	0.036	0.0	_
F	AMS01	128.0	NA	0.029	0.0	4
0.30 0.45	AMS02	139.0	NA	0.031	0.0	4
9:30 - 9:45	AMS03	11.0	NA	0.062	0.0	- XDD Performing Well Injection.
F	AMS04	14.0	NA	0.014	0.0	-
	RT05	96.0	NA	0.092	0.0	4
	AMS01	326.0	NA	0.019	0.0	
F	AMS02	198.0	NA NA	0.019	0.0	4
10:30 - 10:45	AMS02 AMS03	542.0	NA	0.032	0.0	4
	AMS03	29.0	NA	0.048	0.0	XDD Performing Well Injection.
F	RT05	108.0	NA	0.091	0.0	1
		100.0		0.001	0.0	1
	AMS01	68.0	NA	0.012	0.0	
F	AMS02	42.0	NA	0.011	0.0	-
11:30 - 11:45	AMS03	31.0	NA	0.009	0.0	-
	AMS04	68.0	NA	0.080	0.0	<ul> <li>XDD Performing Well Injection</li> </ul>
	RT05	64.0	NA	0.091	0.0	-
						-
	AMS01	32.0	NA	0.041	0.0	
F	AMS02	168.0	NA	0.036	0.0	1
12:30 - 12:45	AMS03	49.0	NA	0.019	0.0	
F	AMS04	104.0	NA	0.009	0.0	XDD Performing Well Injection
	RT05	362.0	NA	0.008	0.0	
						1
	AMS01	36.0	NA	0.091	0.0	
	AMS02	82.0	NA	0.060	0.0	
13:30 - 13:45	AMS03	21.0	NA	0.039	0.0	XDD Performing Well Injection.
L	AMS04	39.0	NA	0.012	0.0	Abb F choming Weiringedion,
	RT05	562.0	NA	0.011	0.0	
ŀ	AMS01	82.0	NA	0.085	0.0	-
14:20 44:45	AMS02	21.0	NA	0.009	0.0	4
14:30 - 14:45	AMS03	19.0	NA	0.011	0.0	XDD Performing Well Injection.
ŀ	AMS04	362.0	NA	0.049	0.0	_
	RT05	401.0	NA	0.036	0.0	-
	AMEDI	16.0		0.026	0.0	
ŀ	AMS01 AMS02	6.0	NA NA	0.026	0.0	-
15:30 - 15:45	AMS02	36.0	NA NA	0.020	0.0	-
10,40	AMS03 AMS04	23.0	NA	0.025	0.0	XDD Performing Well Injection
ŀ	RT05	26.0	NA	0.023	0.0	-
		20.0		0.022	5.0	1
	AMS01	NA	NA	NA	NA	<u> </u>
ŀ	AMS02	NA	NA	NA	NA	1
16:30 - 16:45	AMS03	NA	NA	NA	NA	1
	AMS04	NA	NA	NA	NA	1
ľ	RT05	NA	NA	NA	NA	1
						7
	AMS01	NA	NA	NA	NA	
ľ	AMS02	NA	NA	NA	NA	]
17:30 - 17:45	AMS03	NA	NA	NA	NA	
ſ	AMS04	NA	NA	NA	NA	
	RT05	NA	NA	NA	NA	
						1
	AMS01	NA	NA	NA	NA	
[	AMS02	NA	NA	NA	NA	
18:30 - 18:45	AMS03	NA	NA	NA	NA	_
AMS04 NA NA	NA	NA				
L						
ł	RT05	NA	NA	NA	NA	

	AMBIE	INT AIR SAMPLING FIE	LD LOG			
Project Name:	Ameren Clinton	Location:		orville, IL	Sampler:	David Staley
Project Number:	Project #:	Date:	3/1	6/2011		
						· · · · · · · · · · · · · · · · · · ·
Time	Location	PID (ppb) Make <u>RAE Systems</u>	Portable GC (ppm) Benzene Make <u>PhotoVac</u>	Dust Monitor Mg/m^3 Make <u>MIE</u>	Odor	Remarks
		modeł: ppbRAEplus I.D. 250-103008	Model Voyager I.D. EVKV 350	ModelpDR I.D5284		
	AMS01	NA	N/A	NA		
[	AMS02	NA	N/A	NA		
ľ	AMS03	NA	N/A	NA		
7:30 - 7:40	AMS04	NA	N/A	NA		No site activity.
ŀ						
ŀ	RT05	NA	N/A	NA		
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA		
8:30 - 8:40	AMS03	NA	N/A	NA		No standation
	AMS04	NA	N/A	NA NA		No site activity.
ļ	RT05	NA	N/A	NA		
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA		
9:30 - 9:40	AMS03	NA	N/A	NA		
2.00 - 0,40	AMS04	NA	N/A	NA		No site activity.
	RT05	NA	N/A	NA		
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		1
10:30 - 10:40	AMS04	NA	N/A	NA		No site activity.
	RT05	NA	N/A	NA		· · · · · · · · · · · · · · · · · · ·
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA		
	AMS02	NA	N/A	NA		
11:30 - 11:40		NA	N/A	NA		No site activity.
	AMS04					
	RT05	NA	N/A	NA		-
						-
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA	-	]
12:30 - 12:40	AMS03	NA	N/A	NA	-	
	AMS04 RT05	NA NA	N/A N/A	NA NA		No site activity.
	RIUS		19/74	1924		-
						1
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA		4
13:30 - 13:40	AMS03 AMS04	NA NA	N/A N/A	NA NA		No site activity.
	RT05	NA	N/A N/A	NA		1
						1
	AMS01 AMS02	13.0	N/A N/A	0.001	-	4
	AMS02 AMS03	21.0	N/A N/A	0.001		1
14:30 - 14:40	AMS03	87.0	N/A	0.001		XDD injecting peroxide solution
	RT05	34.0	N/A	0.001		]
						-
	ANOM	12.0	N/A	0.001		
	AMS01 AMS02	12.0 232.0	N/A	0.001		4
45-00 - 57 - 0	AMS02 AMS03	41.0	N/A	0.001		-
15:30 - 15.40	AMS04	96.0	N/A	0.001		XDD injecting peroxide solution
	RT05	85.0	N/A	0.001		-
						4
	AMS01	12.0	N/A	0.001		
	AMS01	6.0	N/A	0.001		1
18:30 10:40	AMS02	13.0	N/A	0.001		XDD injecting peroxide solution
16:30 - 16:40	AMS04	12.0	N/A	0.001		Abb injecting peroxoe solution
	RT05	56.0	N/A	0.001		4
	AMS01	11.0	N/A	0.001		1
		19.0	N/A	0,001		1
	AMS02		N/A	0.001		XDD injecting peroxide solution
17:30 - 17:20	AMS02 AMS03	15.0				
17:30 - 17:40	AMS03 AMS04	17.0	N/A	0.001	_	_
17:30 - 17:40	AMS03			0.001		-

Project Name: Project Number:	Ameren Clinton	Location:	Υ	orville, IL	Sampler:	David Staley
			1 ayıc	7/2011	Sampler.	David Statey
FIDJECT NUMBER.	Project #:	Date:	3/1	//2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
_			Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. 5284		
	11004					
-	AMS01	13.0	N/A	0.021		
	AMS02	12.0	N/A	0.019		
	AMS03	15.0	N/A	0,006		
7:30 - 7:40	AMS04	63.0	N/A	0.032		No site activity.
ŀ						no site doning.
L	RT05	45.0	N/A	0.021		
	AMS01	65.0	N/A	0.032		
r						
	AMS02	45.0	N/A	0.061		
8:30 - 8:40	AMS03	63.0	N/A	0.031		
8,30 - 8.40	AMS04	34.0	N/A	0.004		XDD injecting peroxide solution
ŀ			_			,
	RT05	12.0	N/A	0,039		
	AMS01	13.0	N/A	0.091		
ł		1				
ļ	AMS02	25.0	N/A	0.036		
9:30 - 9:40	AMS03	37.0	N/A	0.023		
0.00 - 0.40	AMS04	98.0	N/A	0.041		XDD injecting peroxide solution
ł	RT05	46.0	N/A			
-	N 100	40.0	IN/A	0.023		
	AMS01	13.0	N/A	0.041		
ł	AMS02	54.0	N/A	0.023		
10:30 - 10:40	AMS03	65.0	N/A	0.015		
10.00 10.40	AMS04	256.0	N/A	0.024		XDD injecting peroxide solution
	RT05	75.0	N/A	0.011		
	NT00	15.0	19/0	0.011		
	AMS01	26.0	N/A	0.032		
		1				
	AMS02	87.0	N/A	0.061		-
11:30 - 11:40	AMS03	92,0	N/A	0.044		
11.30 - 11.40	AMS04	62.0	N/A	0.011		XDD injecting peroxide solution
	RT05		N/A	0.032		
	<u>R105</u>	36.0	IN/A	0.032		4
	AMS01	92.0	N/A	0,024		
	AMS02	34.0	N/A	0.011		
				0.021	. 7	
12:30 - 12:40	AMS03	65.0	N/A			
12:30 - 12:40	AMS04	34.0	N/A	0.023		XDD injecting peroxide solution
12:30 - 12:40				0.023		XDD injecting peroxide solution
12:30 - 12:40	AMS04	34.0	N/A			XDD injecting peroxide solution
12:30 - 12:40	AMS04 RT05	34.0 56.0	N/A N/A	0.034		XDD injecting peroxide solulion
12:30 - 12:40	AMS04 RT05 AMS01	34.0 56.0 32.0	N/A N/A N/A	0.034		XDD injecting peroxide solution
12:30 - 12:40	AMS04 RT05 AMS01 AMS02	34.0 56.0 32.0 62.0	N/A N/A N/A N/A	0.034		XDD injecting peroxide solution
	AMS04 RT05 AMS01 AMS02 AMS03	34.0 56.0 32.0 62.0 73.0	N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051		
12:30 - 12:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04	34.0 56.0 32.0 62.0 73.0 23.0	N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012		XDD injecting peroxide solution
	AMS04 RT05 AMS01 AMS02 AMS03	34.0 56.0 32.0 62.0 73.0	N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051		
	AMS04 RT05 AMS01 AMS02 AMS03 AMS04	34.0 56.0 32.0 62.0 73.0 23.0	N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012		
	AMS04 RT05 AMS01 AMS02 AMS03 AMS03 AMS04 RT05	34.0 56.0 32.0 62.0 73.0 23.0 45.0	N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089		
	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01	34.0 56.0 32.0 62.0 73.0 23.0 45.0 17.0	N/A N/A N/A N/A N/A N/A N/A	0.034		
	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	34,0 58,0 32,0 62,0 73,0 23,0 45,0 17,0 98,0	N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.023		
13:30 - 13:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01	34.0 56.0 32.0 62.0 73.0 23.0 45.0 17.0	N/A N/A N/A N/A N/A N/A N/A	0.034		XDD injecting peroxide solution
	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	34,0 58,0 32,0 62,0 73,0 23,0 45,0 17,0 98,0	N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.023		XDD injecting peroxide solution
13:30 - 13:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	34,0 56,0 32,0 62,0 73,0 23,0 45,0 17,0 98,0 45,0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.089 0.023 0.056 0.032		
13:30 - 13:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04	34.0 56.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.019		XDD injecting peroxide solution
13:30 - 13:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04	34.0 56.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.019		XDD injecting peroxide solution
13:30 - 13:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04	34.0 56.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.019		XDD injecting peroxide solution
13:30 - 13:40	AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03 AMS04 RT05	34.0 58.0 32.0 62.0 73.0 23.0 45.0 98.0 45.0 45.0 34.0 25.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.023 0.056 0.032 0.017		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS04 RT05 RT05 AMS04 RT05 AMS04 AMS04 AMS04 AMS04	34,0 58,0 32,0 62,0 73,0 23,0 45,0 17,0 98,0 45,0 34,0 25,0 25,0 12,0 18,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.056 0.023 0.056 0.032 0.019 0.017 0.045 0.021		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS04 AMS04 AMS04 AMS04 AMS05 AMS01 AMS02 AMS03	34,0 58,0 32,0 62,0 73,0 23,0 45,0 98,0 45,0 34,0 25,0 12,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.017 0.017 0.045		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS04 AMS03 AMS04 RT05 AMS01 AMS01 AMS01 AMS01 AMS01 AMS01 AMS03 AMS04	34,0 58,0 32,0 62,0 73,0 23,0 45,0 98,0 45,0 34,0 25,0 12,0 18,0 93,0 48,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.056 0.032 0.07 0.017 0.017 0.045 0.021 0.045		XDD injecting peroxide solution
13:30 - 13:40	AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS04 AMS04 AMS04 AMS04 AMS05 AMS01 AMS02 AMS03	34,0 58,0 32,0 62,0 73,0 23,0 45,0 17,0 98,0 45,0 34,0 25,0 12,0 12,0 18,0 93,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.017 0.045 0.021 0.045 0.021 0.045 0.023		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS04 AMS03 AMS04 RT05 AMS01 AMS01 AMS01 AMS01 AMS01 AMS01 AMS03 AMS04	34,0 58,0 32,0 62,0 73,0 23,0 45,0 98,0 45,0 34,0 25,0 12,0 18,0 93,0 48,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.017 0.045 0.021 0.045 0.021 0.045 0.023		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS01 AMS04 RT05	34,0           58,0           32,0           62,0           73,0           23,0           45,0           17,0           98,0           45,0           23,0           17,0           98,0           45,0           11,0           98,0           45,0           33,4,0           25,0           12,0           18,0           93,0           48,0           75,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.017 0.045 0.021 0.045 0.021 0.056 0.023		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS03 AMS03 AMS03 AMS03 AMS04 AMS03	34,0 58,0 32,0 62,0 73,0 23,0 45,0 98,0 45,0 34,0 25,0 12,0 18,0 93,0 48,0 75,0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.056 0.032 0.056 0.032 0.017 0.017 0.021 0.021 0.021 0.023 0.021 0.023 0.035 0.021 0.021 0.021 0.023 0.035 0.021 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.012 0.056 0.032 0.032 0.032 0.032 0.031 0.017 0.032 0.032 0.032 0.032 0.032 0.031 0.032 0.032 0.032 0.032 0.031 0.032 0.032 0.031 0.032 0.032 0.032 0.031 0.032 0.032 0.032 0.031 0.032 0.032 0.032 0.031 0.032 0.032 0.031 0.032 0.031 0.032 0.031 0.032 0.032 0.035 0.032 0.032 0.032 0.035 0.032 0.035 0.032 0.035 0.032 0.035 0.032 0.035 0.032 0.035 0.031 0.031 0.035 0.032 0.035 0.031 0.035 0.032 0.035 0.035 0.031 0.035 0.031 0.035 0.035 0.031 0.035 0.031 0.035 0.031 0.035 0.031 0.035 0.031 0.031 0.031 0.035 0.031 0.		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS04 RT05 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS03 AMS04 RT05	34.0           36.0           32.0           62.0           73.0           23.3           45.0           34.0           25.0           12.0           18.0           93.0           48.0           75.0           15.0           26.0	N/A	0.034 0.056 0.093 0.061 0.012 0.089 0.023 0.066 0.032 0.017 0.045 0.021 0.045 0.023 0.056 0.023 0.056 0.023 0.031 0.015 0.023		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS04	34.0           58.0           32.0           62.0           73.0           23.0           45.0           17.0           98.0           45.0           17.0           98.0           45.0           18.0           93.0           48.0           75.0           15.0           84.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.019 0.019 0.019 0.019 0.019 0.021 0.045 0.023 0.056 0.032 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.051 0.021 0.051 0.023 0.051 0.023 0.051 0.023 0.051 0.052 0.051 0.023 0.051 0.052 0.051 0.023 0.051 0.052 0.051 0.052 0.051 0.052 0.051 0.052 0.051 0.052 0.051 0.052 0.055 0.052 0.055 0.		XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04	34.0 34.0 38.0 32.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0 25.0 12.0 18.0 93.0 48.0 75.0 15.0 26.0 84.0 68.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.056 0.032 0.017 0.045 0.021 0.045 0.023 0.056 0.021 0.017 0.045 0.023 0.056 0.023 0.056 0.021 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.012 0.056 0.023 0.017 0.021 0.021 0.021 0.017 0.021 0.021 0.021 0.021 0.017 0.021 0.017 0.017 0.015 0.021 0.015 0.019 0.019 0.015 0.019 0.019 0.015 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.018		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS04	34.0           58.0           32.0           62.0           73.0           23.0           45.0           17.0           98.0           45.0           17.0           98.0           45.0           18.0           93.0           48.0           75.0           15.0           84.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.019 0.019 0.019 0.019 0.019 0.021 0.045 0.023 0.056 0.032 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.015 0.023 0.051 0.021 0.051 0.023 0.051 0.023 0.051 0.023 0.051 0.052 0.051 0.023 0.051 0.052 0.051 0.023 0.051 0.052 0.051 0.052 0.051 0.052 0.051 0.052 0.051 0.052 0.051 0.052 0.055 0.052 0.055 0.		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS03 AMS04 AMS01 AMS02 AMS03 AMS04	34.0 34.0 38.0 32.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0 25.0 12.0 18.0 93.0 48.0 75.0 15.0 26.0 84.0 68.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.056 0.032 0.017 0.045 0.021 0.045 0.023 0.056 0.021 0.017 0.045 0.023 0.056 0.023 0.056 0.021 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.017 0.012 0.056 0.023 0.017 0.021 0.021 0.021 0.017 0.021 0.021 0.021 0.021 0.017 0.021 0.017 0.017 0.015 0.021 0.015 0.019 0.019 0.015 0.019 0.019 0.015 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.019 0.018		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS01 AMS04 RT05 AMS01 AMS03 AMS04 RT05 AMS01 AMS03 AMS04 RT05	34.0           36.0           32.0           62.0           73.0           23.3           45.0           17.0           98.0           45.0           34.0           25.0           12.0           18.0           93.0           48.0           75.0           15.0           26.0           84.0           68.0           45.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.066 0.032 0.017 0.045 0.021 0.045 0.023 0.045 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.023 0.056 0.017 0.023 0.017 0.023 0.023 0.023 0.023 0.017 0.023 0.023 0.023 0.015 0.023 0.018 0.		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS04 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS03 AMS03 AMS03 AMS04 RT05	34.0           58.0           32.0           62.0           73.0           23.0           45.0           17.0           98.0           45.0           17.0           98.0           45.0           18.0           93.0           18.0           93.0           15.0           15.0           45.0           45.0           37.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.032 0.019 0.017 0.045 0.021 0.045 0.021 0.045 0.021 0.056 0.023 0.015 0.023 0.015 0.023 0.018 0.018 0.018 0.018 0.018 0.018 0.018 0.018 0.018 0.018 0.018 0.019 0.018 0.019 0.018 0.019 0.018 0.023 0.021 0.023 0.023 0.023 0.021 0.023 0.023 0.023 0.023 0.021 0.023 0.023 0.023 0.021 0.023 0.023 0.023 0.021 0.023 0.023 0.023 0.023 0.021 0.023 0.		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05	34.0 34.0 38.0 32.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0 25.0 12.0 12.0 12.0 15.0 26.0 84.0 68.0 45.0 37.0 35.0	N/A           N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.036 0.032 0.031 0.045 0.021 0.045 0.021 0.045 0.021 0.045 0.023 0.015 0.023 0.018 0.018 0.018 0.012		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 C AMS01 AMS02 AMS03 AMS04 RT05 C AMS01 AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 AMS04 AMS04 AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 AMS04 AMS04 RT05 C AMS04 AMS04 AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 RT05 C AMS04 AMS04 AMS04 RT05 C AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS05 AMS04 AMS04 AMS05 AMS04 AMS05	34.0           58.0           32.0           62.0           73.0           23.0           45.0           17.0           98.0           45.0           17.0           98.0           45.0           17.0           98.0           45.0           12.0           18.0           93.0           48.0           75.0           15.0           15.0           26.0           84.0           68.0           68.0           37.0           35.0           73.0	N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.056 0.023 0.056 0.032 0.017 0.045 0.021 0.045 0.021 0.045 0.023 0.015 0.023 0.018 0.018 0.018 0.023 0.018 0.018 0.023 0.018 0.023 0.018 0.023 0.018 0.023 0.023 0.018 0.023 0.023 0.018 0.023 0.023 0.018 0.023 0.023 0.018 0.023 0.023 0.018 0.023 0.023 0.023 0.018 0.023 0.		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution
13:30 - 13:40 14:30 - 14:40 15:30 - 15:40 16:30 - 16:40	AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05	34.0 34.0 38.0 32.0 62.0 73.0 23.0 45.0 17.0 98.0 45.0 34.0 25.0 12.0 12.0 12.0 15.0 26.0 84.0 68.0 45.0 37.0 35.0	N/A           N/A	0.034 0.056 0.093 0.051 0.012 0.089 0.023 0.036 0.032 0.031 0.045 0.021 0.045 0.021 0.045 0.021 0.045 0.023 0.015 0.023 0.018 0.018 0.018 0.012		XDD injecting peroxide solution XDD injecting peroxide solution XDD injecting peroxide solution

Project Name:	Ameren Clinton	Location:	Taylo	orville, IL	Sampler:	David Staley
Project Number:	Project #:	Date:	3/1	8/2011		
		0.0 (	Portable GC (ppm)	D	0.1	Remarks
		PID (ppb)	Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	ModelpDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. 5284		
	AMS01	74.0	N/A	0.011		
-						
	AMS02	74.0	N/A	0.011		
7:30 - 7:40	AMS03	75.0	N/A	0.061		
1.00 - 1.40	AMS04	45.0	N/A	0.032		No site activity.
	RT05	64.0	N/A	0.067		
ł						
	AMS01	34.0	N/A	0.015		
	AMS02	56.0	N/A	0.015		
	AMS03	545.0	N/A	0.026		
8:30 - 8:40	AMS04	3.0	N/A	0.012		XDD injecting peroxide solution
			N/A	0.034		, ,,
	RT05	26.0	N/A	0.034		
	AMS01	65.0	N/A	0.009		
	AMS02	34.0	N/A	0.001		
			N/A	0.016		
9:30 - 9:40	AMS03	67.0				XDD intesting records a duli
	AMS04	74.0	N/A	0.032		XDD injecting peroxide solution
	RT05	26.0	N/A	0.059		
1						
		1			1	
	41/001	05.0	but h	0.000		
	AMS01	85.0	N/A	0.032		
	AMS02	74.0	N/A	0.046		
10.20 10.10	AMS03	45.0	N/A	0.012		
10:30 - 10:40	AMS04	36.0	N/A	0.081		XDD injecting peroxide solution
	RT05	176.0	N/A	0.001		
	R105	170.0	IN/A	0.001		
	AMS01	73.0	N/A	0.002		
	AMS02	25.0	N/A	0.016		
		_				
11:30 - 11:40	AMS03	36,0	N/A	0.014		
	AMS04	65.0	N/A	0.029		XDD injecting peroxide solution
	RT05	27.0	N/A	0.046		
						· · · · · · · · · · · · · · · · · · ·
	AMS01	64.0	N/A	0.032		
	AMS02	23.0	N/A	0.019		
12:30 - 12:40	AMS03	84.0	N/A	0.014		
12.00 - 12.40	AMS04	64.0	N/A	0.029		XDD injecting peroxide solution. Daylightin
	RT05	32.0	N/A	0.026		
	AMS01	41.0	N/A	0.041	<u> </u>	4
	AMS02	62.0	N/A	0.026	<u> </u>	4
13:30 - 13:40	AMS03	36.0	N/A	0.028		XOD injecting parcelles calullas
	AMS04	25.0	N/A	0.014		XDD injecting peroxide solution
	RT05	15.0	N/A	. 0.019		1
						1
	AMS01	34.0	N/A	0.032	1	
	AMS02	65.0	N/A	0,032		1
	AMS02	34.0	N/A	0.061		1
14:30 - 14:40	AMS03	39.0	N/A	0.013		XDD injecting peroxide solution. Daylightin
	RT05	17.0	N/A	0.024	ĺ	1
				_		1
	-					
	AMS01	72.0	N/A	0.019		
	AMS02	34.0	N/A	0.082		
15:30 - 15:40	AMS03	25.0	N/A	0.091		XDD injecting peroxide solution. Daylighti
10:00 - 10:40	AMS04	83.0	N/A	0.036		
	RT05	47.0	N/A	0.019		
						4
	AMS01	13.0	N/A	0.024		
	AMS02	47.0	N/A	0.009		XDD injecting peroxide solution. Dayligh
16:30 - 16:40	AMS03	26.0	N/A	0.012		
. 2.00 10,40	AMS04	16.0	N/A	0.012		
	RT05 13.0 N/A	0.002		4		
						4
	AMS01	NA	N/A	NA		4
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		XDD injecting peroxide solution. Daylightin
17:30 - 17:40				NA	1	1
17:30 - 17:40	AMS04 RT05	NA NA	N/A N/A	NA		-

	AMDIC	INT AIR SAMPLING FIE	LDLOG			
Project Name:	Ameren Clinton	Location:		orville, IL	Sampler:	David Staley
Project Number:	Project #:	Date:	3/1	9/2011		
		PID (ppb)	Portable GC (ppm)	Dust Manitor Mg/m^3	Odor	Remarks
<b>.</b>			Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	1.D. <u>5284</u>		
	AMS01	85.0	N/A	0.031		
	AMS02	26.0	N/A	0.042		
7:30 - 7:40	AMS03	87.0	N/A	0.091		March March 1991
	AMS04	35.0	N/A	0.002		No site activity.
	RT05	27.0	N/A	0.016		
	AMS01	26.0	N/A	0,042		
	AMS02	94.0	N/A	0.036		
8:30 - 8:40	AMS03	84.0	N/A	0.013		
	AMS04	3.0	N/A	0.014		XDD injecting peroxide solution
	RT05	73.0	N/A	0.032		
	AMS01	32.0	N/A	0.013		
	AMS02	65.0	N/A	0.046		
9:30 - 9:40	AMS03	74.0	N/A	0.032		
	AMS04	26.0	N/A	0.013		XDD injecting peroxide solution. Daylighting
	R705	84.0	N/A	0.006		
						1
	AMS01	34.0	N/A	0.021		
	AMS02	75.0	N/A	0.025		
10:30 - 10:40	AMS03	23.0	N/A	0.016		
10.30 - 10.40	AMS04	94.0	N/A	0.036		XDD injecting peroxide solution. Daylighting
	RT05	28.0	N/A	0.042		
	11100	20.0	19/4	0.042		
	AMS01	23.0	N/A	0.006		
	AMS02	45.0	N/A	0.036		
	AMS03	87.0	N/A	0,042		
11:30 - 11:40	AMS04	85.0	N/A	0.019		XDD injecting peroxide solution. Daylighting
					<u> </u>	
	RT05	27.0	N/A	0.014		-
	AMS01	85.0	N/A	0.021		-
	AMS02 AMS03	56.0	N/A N/A	0.025		1
12:30 - 12:40	AMS03	84.0	N/A N/A	0.016		XDD injecting percented solution. Deutistation
	RT05	16.0 45.0	N/A N/A	0.032		XDD injecting peroxide solution. Daylighting
	K105	45.0	IN/A	0.032		-
						-
	AMS01	65.0	N/A	0.021	1	
	AMS02	34.0	N/A	0.048		1
12:30 . 12:40	AMS03	85.0	N/A	0.012		1
13:30 - 13:40	AMS04	93.0	N/A	0.001		XDD injecting peroxide solution. Daylightin
	RT05	17.0	N/A	0.023		]
						]
	AMS01	34.0	N/A	0.014		
	AMS02	85.0	N/A	0.025		4
14;30 - 14;40	AMS03	74.0	N/A	0.087		
	AMS04	34.0	N/A	0.012		XDD injecting peroxide solution. Daylightin
	RT05	75.0	N/A	0.014		4
	l	+	+			4
	AMS01	4.0	N/A	0.039		
	AMS02	26.0	N/A	0.012		1
	AMS02	84.0	N/A	0.004		1
15:30 - 15:40	AMS03	74.0	N/A	0.012	<u> </u>	XDD injecting peroxide solution. Daylightin
	RT05	63.0	N/A	0.006		
						1
						1
	AMS01	12.0	N/A	0.012		
	AMS02	81.0	N/A	0.025		
16:30 - 16:40	AMS03	34.0	N/A	0.026		XDD injecting peroxide solution. Daylightin
10.00 - 10.40	AMS04	74.0	N/A	0.009		
	RT05	15.0	N/A	0.011		-
	AMS01	NA	N/A	NA		4
	AMS02	NA	N/A	NA		
	AMS03	NA	N/A	NA		XDD injecting peroxide solution. Daylightin
17:30 - 17:40						7
17:30 - 17:40	AMS03 AMS04 RT05	NA	N/A N/A	NA NA		-

Project Name:	Ameren Clinton	Location:	Tavk	orville, IL	Sampler:	David Staley
Project Number:	Project #:	Date:		1/2011	oumpion	ound ound
FIOJEC( NULLIDE).	Floject #.	Date.	0/2	1/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
		(66-1	Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. 5284		
-	AMS01	36.0	N/A	0.019		
	AMS02	74.0	N/A	0.026		
Г	AMS03	54.0	N/A	0.016		
7:30 - 7:40			N/A	0.034		No site activity.
ŀ	AMS04	23.0				rio silo activity.
L	RT05	14.0	N/A	0.020		
Ļ	AMS01	24.0	N/A	0.012		
	AMS02	36.0	N/A	0.015		
Γ	AMS03	74.0	N/A	0.026		
8:30 - 8:40						XDD injecting peroxide solution
r	AMS04	63.0	N/A '	0.013		KBB Injourng peroxide certainin
l	RT05	15.0	N/A	0.026		
Γ						
			<u> </u>			1
L	AMS01	36.0	N/A	0.025		4
Γ	AMS02	76.0	N/A	0.031		
t	AMS03	85.0	N/A	0.034		1
9:30 - 9:40						XDD injecting percenter exhulter. Deutlehter
ļ	AMS04	25.0	N/A	0.092		XDD injecting peroxide solution. Daylighting
	RT05	36.0	N/A	0.024		
ł						]
						1
	AMS01	85.0	N/A	0.013		
Ĩ	AMS02	74.0	N/A	0.026		1
-						1
10:30 - 10:40	AMS03	62.0	N/A	0.012		
	AMS04	43.0	N/A	0.034		XDD injecting peroxide solution. Daylighting
	RT05	21.0	N/A	0.002		
						1
						4
	AMS01	64.0	N/A	0.023		
			N/A	0.085		1
	AMS02	46.0				-
11:30 - 11:40	AMS03	96.0	N/A	0.071		
11.50 - 11.40	AMS04	84.0	N/A	0.026		XDD injecting peroxide solution. Daylighting
	RT05	26.0	N/A	0.031		1
	RIUS	20.0	IN/A	0.031		-
	AMS01	65.0	N/A	0.042		4
l	AMS02	37.0	N/A	0.031		]
12:30 - 12:40	AMS03	95.0	N/A	0.042		1
12:30 - 12:40	AMS04	27.0	N/A	0.023		XDD injecting peroxide solution. Daylightin
	RT05	83.0	N/A	0.011		7
						1
			1			1
	AMS01	73.0	N/A	0.023		
	AMS02	26.0	N/A	0.031	1	1
	AMS02	25.0	N/A	0.086	1	1
13:30 - 13:40	AMS04	74.0	N/A	0.067		XDD injecting peroxide solution. Daylightin
	RT05	26.0	N/A N/A	0.061	+	
	100	20.0	DV/A	0.001	<u> </u>	-
			-		<u> </u>	-
	AN1004	75.0	A1/A	0.004	<u> </u>	
	AMS01	75.0	N/A	0.024		-
	AMS02	36.0	N/A	0.011		-
14:30 - 14:40	AMS03	95.0	N/A	0.013	+	
	AMS04	84.0	N/A	0.001		XDD injecting peroxide solution. Daylightin
	RT05	26.0	N/A	0.003	<u> </u>	4
						4
	AMS01	76.0	N/A	0.021		
			NI/A	0.003		
	AMS02	34.0	N/A			-
45-20 45-40		34.0	N/A N/A	0.003		
15:30 - 15:40	AMS02			0.003		XDD injecting peroxide solution. Daylightin
15:30 - 15:40	AMS02 AMS03	45.0	N/A			XDD injecting peroxide solution. Daylightin
15:30 - 15:40	AMS02 AMS03 AMS04	45.0 84.0	N/A N/A	0.021		XDD injecting peroxide solution. Daylightin
15:30 - 15:40	AMS02 AMS03 AMS04	45.0 84.0	N/A N/A	0.021		XDD injecting peroxide solution. Daylightin
15:30 - 15:40	AMS02 AMS03 AMS04 RT05	45.0 84.0 63.0	N/A N/A N/A	0.021		XDD injecting peroxide solution. Daylightin
15:30 - 15:40	AMS02 AMS03 AMS04 RT05 AMS01	45.0 84.0 63.0 	N/A N/A N/A	0.021		XDD injecting peroxide solution. Daylightin
15:30 - 15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02	45.0 84.0 63.0 	N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012		
15:30 - 15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03	45.0 84.0 63.0 34.0 78.0 45.0	N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012 0.002		XDD injecting peroxide solution. Daylightin
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04	45.0 84.0 63.0 34.0 78.0 45.0 74.0	N/A N/A N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012 0.002 0.043		
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03	45.0 84.0 63.0 34.0 78.0 45.0	N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012 0.002		
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04	45.0 84.0 63.0 34.0 78.0 45.0 74.0	N/A N/A N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012 0.002 0.043		
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS02 RT05	45.0 84.0 63.0 76.0 45.0 74.0 74.0 52.0	N/A N/A N/A N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012 0.002 0.043 0.001		
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS04 RT05 AMS04 AMS04 AMS04	45.0 84.0 63.0 76.0 76.0 45.0 74.0 52.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.021 0.041 0.032 0.012 0.002 0.043 0.001 NA		
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	45.0 84.0 83.0 34.0 78.0 78.0 74.0 52.0 NA NA	N/A           N/A	0.021 0.041 0.032 0.012 0.002 0.043 0.043 0.001 NA		XDD injecting peroxide solution.
16:30 - 16:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS01 AMS02 AMS03	45.0 84.0 63.0 	N/A           N/A	0.021 0.041 0.032 0.012 0.043 0.001 0.043 0.001 NA NA NA		
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	45.0 84.0 83.0 34.0 78.0 78.0 74.0 52.0 NA NA	N/A           N/A	0.021 0.041 0.032 0.012 0.002 0.043 0.043 0.001 NA		XDD injecting peroxide solution.

Project Name:	Ameren Clinton	Location:		orville, IL	Sampler:	David Staley
Project Number:	Project #:	Date:	3/2	2/2011		
_						
		D(D (	Portable GC (ppm)	0	0.1	Remarks
		PID (ppb)	Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pOR		
		I.D. 250-103008	I.D. EVKV 350	I.D. 5284		
	AMS01	25.0	N/A	0.021		-
	AMS02	73.0	N/A	0.036		
	AMS03	45.0	N/A	0.042		]
7:30 - 7:40	AMS04	64.0	N/A	0.021		No site activity.
						-
	RT05	24.0	N/A	0.063		-
	AMS01	62.0	N/A	0.021	_	
	AMS02	74.0	N/A	0.036		1
8:30 - 8:40	AMS03	56.0	N/A	0.048		-
	AMS04	75.0	N/A	0.081		XDD injecting peroxide solution
	RT05	35.0	N/A	0.026		
						7
						7
	AMS01	26.0	N/A	0.063		
						1
	AMS02	85.0	N/A	0.024		4
9:30 - 9:40	AMS03	53.0	N/A	0.023		
	AMS04	57.0	N/A	0.026		XDD injecting peroxide solution. Daylightin
	RT05	45.0	N/A	0.011		
						7
		1				1
	AMS01	25.0	N/A	0.013		
			N/A	0.024		1
	AMS02	64.0				-
10:30 - 10:40	AMS03	75.0	N/A	0.061		
	AMS04	96.0	N/A	0.048		XDD injecting peroxide solution. Daylightin
	RT05	36.0	N/A	0.023		
						-
	AMS01	25.0	N/A	0.026		
			N/A			-
	AMS02	47.0		0.071		
11:30 - 11:40	AMS03	85.0	N/A	0.041		
11.00 - 11.40	AMS04	35.0	N/A	0.023		XDD injecting peroxide solution. Daylightin
	RT05	78.0	N/A	0.014		7
						7
_						
	AMS01	14.0	N/A	0.011		
	AMS02	63.0	N/A	0.013		
12:30 - 12:40	AMS03	75.0	N/A	0.021		
12.50 - 12.40	AMS04	70.0	N/A	0.062		XDD injecting peroxide solution.
	RT05	83.0	N/A	0.014		_
						-
	AMS01	25.0	N/A	0.002		
	AMS01 AMS02	74.0	N/A N/A	0.002		
	AMS02 AMS03	36.0	N/A N/A	0.023		-1
13:30 - 13:40	AMS03 AMS04	98.0	N/A N/A	0.023		XDD injecting peroxide solution.
	RT05	36.0	N/A N/A	0.013		
						1
	AMS01	85.0	N/A	0.026		
	AMS02	7.0	N/A	0.081		
14:30 - 14:40	AMS03	36.0	N/A	0.021		
	AMS04	47.0	N/A	0.014		XDD injecting peroxide solution.
	RT05	25.0	<u>N/A</u>	0.036	<u> </u>	-
		+				-1
	AMS01	75.0	N/A	0.021		
	AMS02	86.0	N/A	0.026		
15:20 15:10	AMS03	46.0	N/A	0.023		
15:30 - 15:40	AMS04	24.0	N/A	0.011		XDD injecting peroxide solution.
	RT05	64.0	N/A	0.021		
						4
	A1100/	00.0		0.001		
	AMS01	96.0	N/A N/A	0.021		
	AMS02	25.0	N/A N/A	0.023		
16:30 - 16:40	AMS03	67.0		0.011		<ul> <li>XDD injecting peroxide solution.</li> </ul>
	AMS04 RT05	63.0	N/A N/A	0.012		$\neg$
	RTUQ	03.0	INIM	0.011		-
			1			
	AMS01	NA	N/A	NA		
	AMS02	NA	N/A	NA		
17:30 47:40	AMS03	NA	N/A	NA		XDD injecting peroxide solution.
17:30 - 17:40	AMS04	NA	N/A	NA		
	RT05	NA	N/A	NA		

	AMBIE	INT AIR SAMPLING FIE	LD LOG			
Project Name:	Ameren Clinton	Location:	Taylo	rville, IL	Sampler:	David Staley
Project Number:	Project #:	Date:	3/2:	/2011		
Time	Location	PID (ppb)	Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Tine	Localion	Make <u>RAE Systems</u> model: ppbRAEplus J.D. <u>250-103008</u>	Make <u>PhotoVac</u> Model <u>Voyager</u> I.D. EVKV 350	Make <u>MIE</u> Model <u>pDR</u> I.D. <u>5284</u>		
	AMS01	74.0	N/A	0.031		
	AMS02	25.0	N/A	0.024		
7:30 - 7:40	AMS03	76.0	N/A	0.037		
1.50 - 1.40	AMS04	25.0	N/A	0.023		No site activity.
	RT05	84.0	N/A	0.013		
	AMS01	74.0	N/A	0.024		
	AMS02	25.0	N/A	0.012		
9.20 9.40	AMS03	36.0	N/A	0.041		
8:30 - 8:40	AMS04	85.0	N/A	0.023		XDD injecting peroxide solution
	RT05	74.0	N/A	0.041		
	AMS01	25.0	N/A	0.001		
	AMS02	83.0	N/A	0.001		
9:30 - 9:40	AMS03	74.0	N/A	0.014		
9:30 - 9:40	AMS04	36.0	N/A	0,011		XDD injecting peroxide solution.
	RT05	36.0	N/A	0.023		
	AMS01	74.0	N/A	0.012		
	AMS02	63.0	N/A	0.015		
10:30 - 10:40	AMS03	25.0	N/A	0.016		
10.00 - 10.40	AMS04	63.0	N/A	0.016		XDD injecting peroxide solution.
	RT05	25.0	N/A	0.024		
	AMS01	62.0	N/A	0.031		
	AMS02	42.0	N/A	0.024		
11:30 - 11:40	AMS03	63.0	N/A	0.011		
	AMS04	63.0	N/A	0.024		XDD injecting peroxide solution.
	RT05	25.0	N/A	0.031		
	AMS01	0.0	N/A	0.003	0	
	AMS02	0.0	N/A	0.007	0	
12:30 - 12:40	AMS03 AMS04	0.0	N/A N/A	0.004	0	XDD injecting peroxide solution.
	RT05	125.0	N/A	0.010	1	Abb injecting percente solution.
	AMS01	0.0	N/A	0.001	0	
	AMS02	0.0	N/A	0.008	0	
13:30 - 13:40	AMS03	0.0	N/A	0.005	0	
				0.000		
	AMS04	0.0	N/A	0.006	0	XDD injecting peroxide solution.
	AMS04 RT05	0.0 251.0	N/A N/A	0.008	0	XDD injecting peroxide solution.
	AMS04 RT05	0.0	N/A N/A	0.010		XDD injecting peroxide solution.
	AMS04 RT05	0.0	N/A N/A	0.006		XDD injecting peroxide solution.
	AM\$04 RT05	0.0	N/A N/A	0.000		XDD injecting peroxide solution.
	AMS04 RT05	0.0	N/A N/A	0.000		XDD injecting peroxide solulion.
	AMS04 RT05	0.0	N/A N/A	0.008		
	AMS04 RT05	0.0	N/A N/A	0.008		
	AMS04 RT05	0.0	N/A N/A	0.008		
	AMS04 RT05	0.0	N/A N/A	0.000		
	AMS04 RT05	0.0	N/A N/A	0.000		
	AMS04 RT05	0.0	N/A N/A	0.000		
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A	0.000		
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			
	AMS04 RT05	0.0	N/A N/A			

	AMBI	ENT AIR SAMPLING FI	ELDLOG			
Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/2	7/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene	_		
inne	LUCAUUT	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEpius I.D. 250-103008	Model Voyager I.D. EVKV 350	Model <u>pDR</u> I.D. <u>5230</u>		
	414004				N/A	
	AMS01	N/A	N/A	N/A	N/A	-
	AMS02	N/A	N/A	N/A	N/A	-
7:30 - 7:40	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	4
						_
	AMS01	N/A	N/A	N/A	N/A	_
	AMS02	N/A	N/A	N/A	N/A	
8;30 - 8;40	AMS03	N/A	N/A	N/A	N/A	
0,00 - 0,40	AMS04	N/A	N/A	N/A	N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	
						7
		[	[			7
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	7
	AMS03	N/A	N/A	N/A	N/A	1
9;30 - 9;40	AMS04	N/A	N/A	N/A	N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	
	1100	19/5	11/0	11/7	1975	1
			<u> </u>			4
	11004					
	AMS01	N/A	N/A	N/A	N/A	-
	AMS02	N/A	N/A	N/A	N/A	-
10:30 - 10:40	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	_
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
11:20 11:40	AMS03	N/A	N/A	N/A	N/A	
11:30 - 11:40	AMS04	N/A	N/A	N/A	N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	7
						7
						7
	AMS01	N/A	N/A	N/A	N/A	_
	AMS02	N/A	N/A	N/A	N/A	_
12:30 - 13:40	AMS03 AMS04	N/A N/A	N/A N/A	N/A N/A	N/A N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	Abb Thissing Coup
	AMS01	N/A	N/A	N/A	N/A	_
	AMS02 AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
13:30 - 13:40	AMS03	N/A	N/A	N/A	N/A	XDD Finishing Setup
	RT05	N/A	N/A	N/A	N/A	
					_	_
		-		0.000		
	AMS01 Ams02	6.0	N/A N/A	0.030	0	
	AMS03	6.0	N/A N/A	0.008	0	
14:30-14:40	AMS04	6,0	N/A	0.004	0	XDD Performing Pressure Check and Leak Che
	RT05	16.0	N/A	0.009	0	On System
						4
	AMS01	3.0	N/A	0.008	0	
	AMS01	0.0	N/A N/A	0.008	0	
15:20 15:40	AMS03	9.0	N/A	0.009	0	VOD Paraida- Casta- Maria Linia
15:30-15:40	AMS04	3.0	N/A	0.021	0	XDD Repairing System, Will Begin Injecting     Tornorrow Morning
	RT05	0.0	N/A	0.010	0	
		-				
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	7
16;30-16:40	AMS03	N/A	N/A	N/A	N/A	
10,00-10,40	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	_
	<u> </u>					
	AMS01	N/A	N/A	N/A	N/A	-
	AMS02	N/A	N/A	N/A	N/A	-
17:30-17:40	AMS03	N/A	N/A	N/A	N/A	
11.00-17.40	AMS04	N/A	N/A	N/A	N/A	_
	RT05	N/A	N/A	N/A	N/A	
		7471	1971	10/1		

Project Name:	Amorea Testa - III	1 42	<b>~</b> ·	anilla ll	Ser-1	0
	Ameren Taylorville	Location:		orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/2	8/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
T	Laurtine		Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	45.0	N/A	0,008	0	
	AMS02	71.0	N/A	0.013	0	
	AMS03	65.0	N/A	0.012	0	7
7:30 - 7:40	AMS04	74.0	N/A		0	XDD Perparing to Startup Injection
				0.015		Abb F cipaning to orantop injection
	RT05	62.0	N/A	0,011	0	-
						_
	AMS01	71.0	N/A	0.020	0	
	AMS02	39,0	N/A	0.018	0	
	AMS03	45.0	N/A	0.018	0	7
8:30 - 8:40	AMS04	58.0	N/A	0.025	0	XDD Injecting Wells
	RT05	24.0	N/A	0.024	0	-
	AMS01	68.0	N/A	0.015	0	
	AMS02	52.0	N/A	0.011	0	7
	AMS03	55.0	N/A	0.013	0	7
9:30 - 9:40						
	AMS04	52.0	N/A	0.016	0	XDD Injecting Wells
	RT05	48.0	N/A	0.010	0	
	AMS01	71.0	N/A	0.006	0	
	AMS02	55.0	N/A	0.006	0	-
						-
10:30 - 10:40	AMS03	43.0	N/A	0.004	0	
	AMS04	67.0	N/A	0.009	0	XDD Injecting Wells
	RT05	58.0	N/A	0.014	0	
		_				-
	AMS01	58.0	N/A	0.007	0	
		·		0.007		-1
	AMS02	54.0	N/A	0.005	0	4
11:30 - 11:40	AMS03	58,0	N/A	0.004	0	XDD Injecting Wells, Daylighting Occuring Nea
11.50 - 11.40	AMS04	63.0	N/A	0.006	0	Rt05 Monitored Area for 15min. Highest Reading
	RT05	52.0	N/A	0.004	0	was 124ppb
					-	-
						-
	AMS01	68.0	N/A	0.002	0	
	AMS02	65.0	N/A	0.005	0	7
12:30 - 13:40	AMS03	52.0	N/A	0.004	0	
12,30 - 13,40	AMS04	74.0	N/A	0.001	0	XDD Injecting Wells
	RT05	153.0	N/A	0.003	0	
						_
	AMS01	58,0	N/A	0.025	0	_
	AMS02	68.0	N/A	0.007	0	
13:30 - 13:40	AMS03	74.0	N/A	0.005	0	XOD Internet and the
	AMS04	64.0	N/A	0.011	0	XDD Injecting Wells
	RT05	61.0	N/A	0.008	0	-1
	1	1	1			
	AMS01	42.0	N/A	0.007	0	- <u>+</u>
	AMS01			0.001		-
	Ams02	35.0	N/A		0	
11.20 11:10			N/A N/A	0.003	0	
14:30-14:40	Ams02	35.0				XDD Injecting Wells
14:30-14:40	Ams02 AMS03	35.0 48.0	N/A	0.014	0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04	35.0 48.0 58.0	N/A N/A	0.014 0.002	0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04 RT05	35.0 48.0 58.0 61.0	N/A N/A N/A	0.014 0.002 0.003	0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04 RT05 AMS01	35.0 48.0 58.0 61.0 48.0	N/A N/A N/A	0.014 0.002 0.003 0.017	0 0 0 0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	35.0 48.0 61.0 48.0 61.0	N/A N/A N/A	0.014 0.002 0.003 0.017 0.004	0 0 0	
14:30-14:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	35.0 48.0 61.0 48.0 61.0 61.0 48.0 61.0	N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013	0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04	35.0 48.0 58.0 61.0 48.0 61.0 48.0 65.0	N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013 0.009	0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	35.0 48.0 61.0 48.0 61.0 61.0 48.0 61.0	N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013	0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04	35.0 48.0 58.0 61.0 48.0 61.0 48.0 65.0	N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013 0.009	0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting
	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS02 RT05	350 480 580 610 480 610 460 650 1590	N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013 0.009 0.008	0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting
	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS04 RT05 AMS04 AMS01	350 48.0 58.0 61.0 61.0 61.0 48.0 65.0 159.0 52.0	N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.017 0.004 0.013 0.009 0.008	0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 RT05 RT05 AMS01 AMS01 AMS02	35.0 48.0 58.0 61.0 48.0 61.0 46.0 65.0 159.0 52.0 48.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013 0.009 0.008 0.008 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	350 480 580 610 610 480 650 650 1590 520 480 320	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013 0.009 0.008 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS01 AMS02 AMS03 AMS04	35.0 48.0 58.0 61.0 61.0 48.0 65.0 159.0 52.0 48.0 52.0 48.0 52.0 65.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.017 0.004 0.013 0.009 0.008 0.008 0.004 0.023 0.004 0.023 0.006	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	350 480 580 610 610 480 650 650 1590 520 480 320	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.004 0.013 0.009 0.008 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Davlighting Highest Reading Was 354ppb
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS01 AMS02 AMS03 AMS04	35.0 48.0 58.0 61.0 61.0 48.0 65.0 159.0 52.0 48.0 52.0 48.0 52.0 65.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.017 0.004 0.013 0.009 0.008 0.008 0.004 0.023 0.004 0.023 0.006	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS01 AMS02 AMS03 AMS04	35.0 48.0 58.0 61.0 61.0 48.0 65.0 159.0 52.0 48.0 52.0 48.0 52.0 65.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.017 0.004 0.013 0.009 0.008 0.008 0.004 0.023 0.004 0.023 0.006	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03 AMS04 RT05	35.0 48.0 58.0 61.0 61.0 48.0 65.0 159.0 52.0 48.0 32.0 65.0 96.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.004 0.017 0.004 0.013 0.009 0.008 0.008 0.004 0.023 0.006 0.006 0.003		XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb
15:30-15:40 16:30-16:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS01 AMS04 RT05 AMS01 AMS04 RT05	350 48.0 58.0 61.0 48.0 61.0 46.0 65.0 159.0 52.0 48.0 32.0 65.0 96.0 90.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.017 0.004 0.013 0.009 0.008 0.004 0.023 0.006 0.006 0.003 0.003	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS04 RT05 AMS01 AMS04 RT05 RT05 AMS01 AMS04 RT05 RT05	350 48.0 58.0 61.0 61.0 46.0 65.0 159.0 52.0 48.0 32.0 65.0 96.0 96.0 96.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.014 0.002 0.003 0.017 0.017 0.004 0.013 0.009 0.008 0.004 0.023 0.006 0.006 0.006 0.006 0.006 0.006 N/A N/A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Brett Had Me Take Read Inside the Well Area Because od Daylighting Highest Reading Was 354ppb

Project Name: Project Number:		ENT AIR SAMPLING F				
	Ameren Taylorville	Location:		orville, IL	Sampler:	Andrew J. Anderson
Piojeci Number,	090-290	Date:	9/2	9/2011		
				·		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene	_		
Time	Locadon	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	1.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	1.0	N/A	0.010	0	
	AMS02	1.0	N/A	0.011	0	
7	AMS03	1.0	N/A	0.014	0	
7:30 - 7:40	AMS04	1.0	N/A	0.013	0	XDD Perparing to Startup Injection
l l	RT05	1.0	N/A	0.013	0	
ŀ	K105	1.0	18/A	0.013	0	
	AMS01	1.0	N/A	0.014	0	
	AMS02	1.0	N/A	0.019	0	
8:30 - 8:40	AMS03	1.0	N/A	0.015	0	
8:30 - 8:40	AMS04	1.0	N/A	0.009	0	XDD Injecting Wells
ł	RT05	1.0	N/A		0	nee njeenig tene
ŀ	K 105	1.0	N/A	0.016	0	
l	AMS01	1.0	N/A	0.006	0	
[	AMS02	1.0	N/A	0.009	0	
0.20 0.10	AMS03	1.0	N/A	0.004	0	
9:30 - 9:40	AMS04	1.0	N/A	0.007	0	XDD Injecting Wells
ł	RT05	1.0	N/A	0.010	0	
ŀ	1,103	1.0	004	0,010		
	AMS01	1,0	N/A	0.012	0	
	AMS02	1.0	N/A	0,010	0	
	AMS03	1.0	N/A	0.010	0	
10:30 - 10:40	AMS04	1.0	N/A	0.014	0	XDD Injecting Wells
F			_			TEE Injusting Prons
	RT05	1.0	N/A	0.015	0	
	AMS01	1.0	N/A	0.007	0	
_	AMS02	1.0	N/A	0.011	0	
	AMS03	1.0	N/A	0.010	0	
11:30 - 11:40				1		XDD Injecting Wells
	AMS04	1.0	N/A	0.016	0	Abb injeoling weins
	RT05	1.0	N/A	0.012	0	
		10				
	AMS01 AMS02	1.0	N/A N/A	0.014 0.009	0	
	AMS02	1.0	N/A N/A	0.009	0	
12:30 - 13:40	AMS04	1.0	N/A	0.008	0	XDD Injecting Wells
	RT05	9.0	N/A	0.012	0	
			1		-	
	AMS01	1.0	N/A	0.008	0	
	AMS02	1.0	N/A	0.014	0	
13:30 - 13:40	AMS03	1.0	N/A	0.007	0	X001
	AMS04	1.0	N/A	0.015	0	XDD Injecting Wells
	RT05	68.0	N/A	0.008	0	
	414004	+	N/A	0.011	0	
	AVISUT	10			~ /	
	AMS01 Ams02	1.0	N/A	0.016	0	
14:20 14:40			N/A		0	
14:30-14:40	Ams02	1.0		0.016 0.025 0.005		XDD Injecting Wells
14:30-14:40	Ams02 AMS03	1.0	N/A	0.025	0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04	1.0 1.0 1.0	N/A N/A	0.025	0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04 RT05	1.0 1.0 1.0 13.0	N/A N/A N/A	0.025	0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04 RT05 AMS01	1.0 1.0 1.0 13.0 1.0	N/A N/A N/A	0.025 0.005 0.006	0	XDD Injecting Wells
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	1.0 1.0 1.0 13.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.003	0 0 0 0	XDD Injecting Wells
14:30-14:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.003 0.006		
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.021 0.003 0.006 0.002	0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.003 0.006		
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.021 0.003 0.006 0.002	0 0 0 0 0 0 0 0 0 0	
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.003 0.006 0.002 0.005	0 0 0 0 0 0 0 0 0 0	
	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.021 0.003 0.006 0.002	0 0 0 0 0 0 0 0 0 0	
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.021 0.003 0.006 0.006 0.005	0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS02 AMS03 AMS04	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.025 0.005 0.006 0.021 0.003 0.006 0.002 0.005 0.005 0.006 0.006 0.002		
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	0.025 0.005 0.006 0.021 0.003 0.006 0.002 0.005 0.006 0.002 0.006 0.002 0.006	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS02 AMS03 AMS04	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	0.025 0.005 0.006 0.021 0.021 0.003 0.006 0.002 0.005 0.006 0.006 0.006 0.006 0.006	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS01 AMS02 AMS03 AMS04 RT05	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	0.025 0.005 0.006 0.021 0.003 0.006 0.002 0.005 0.006 0.002 0.006 0.002 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS03 AMS03 AMS03 AMS04 RT05 AMS03	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	0.025 0.005 0.006 0.021 0.003 0.006 0.002 0.005 0.006 0.002 0.005 0.006 0.002 0.006 0.002 0.001 0.001 0.001 0.003	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS04 AMS04 AMS01 AMS03 AMS04 RT05 RT05 AMS03 AMS04 RT05	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	0.025 0.005 0.006 0.021 0.003 0.003 0.006 0.002 0.005 0.006 0.002 0.005 0.006 0.002 0.005 0.006 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.005 0.001 0.005 0.005 0.001 0.005 0.005 0.001 0.005 0.001 0.001 0.001 0.001 0.005 0.005 0.005 0.001 0.005 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
15:30-15:40	Ams02 AMs03 AMs04 RT05 AMs01 AMs01 AMs02 AMs03 AMs04 RT05 AMs01 AMs04 RT05 AMs04 RT05 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs04 AMs05 AMs04 AMs05 AMs04 AMs05 AMs05 AMs04 AMs05 AMs04 AMs05 AMs04 AMs05 AMs04 AMs0	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A           N/A	0.025 0.005 0.006 0.021 0.003 0.006 0.002 0.006 0.002 0.006 0.002 0.001 0.001 0.001 0.003 N/A N/A N/A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells
15:30-15:40	Ams02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS04 AMS04 AMS01 AMS03 AMS04 RT05 RT05 AMS03 AMS04 RT05	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	0.025 0.005 0.006 0.021 0.003 0.003 0.006 0.002 0.005 0.006 0.002 0.005 0.006 0.002 0.005 0.006 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.005 0.001 0.005 0.005 0.001 0.005 0.005 0.001 0.005 0.001 0.001 0.001 0.001 0.005 0.005 0.005 0.001 0.005 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells

Project Name:	Ameren Taylorville	Location:	Tavle	orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	9/3	0/2011		
						_
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene			
TITCHE	LOCADON	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	1.0	N/A	0.012	0	
			1			
	AMS02	5.0	N/A	0.005	0	
7:30 - 7:40	AMS03	1.0	N/A	0.013	0	
	AMS04	1.0	N/A	0.010	0	XDD Perparing to Startup Injection
1	RT05	14.0	N/A	0,007	0	
	11100	14.0	19/3	0.007	<u> </u>	
	AMS01	1.0	N/A	0.016	0	
i	AMS02	19.0	N/A	0.012	0	
		1				
8:30 - 8;40	AMS03	1.0	N/A	0.005	0	
	AMS04	1.0	N/A	0.007	0	XDD Injecting Wells
	RT05	12.0	N/A	0.004	0	
				1		
	AMS01	1.0	N/A	0.008	0	
	AMS02	6.0	N/A	0.003	0	
				1		
9:30 - 9:40	AMS03	1.0	N/A	0.020	0	
	AMS04	1.0	N/A	0.003	0	XDD Injecting Wells
	RT05	1.0	N/A	0.005	0	
			-			
	AMS01	1.0	N/A	0.007	0	
AMS02	AMS02	9.0	N/A	0.005	0	
-						
10:30 - 10:40	AMS03	1.0	N/A	0,006	0	
ļ	AM\$04	1.0	N/A	0.007	0	XDD Injecting Wells
	RT05	54.0	N/A	0.010	0	
	AMS01	1.0	N/A	0.018	0	
_	AMS02	19.0	N/A	0.005	0	
11:30 - 11:40						
	AMS03	1.0	N/A	0.003	0	XDD Injecting Wells
	AMS04	1.0	N/A	0.002	0	
	RT05	12.0	N/A	0,006	0	
	11100	12.0	10/2	0,000	•	
	AMS01	1.0	N/A	0.026	0	
	AMS02	1.0	N/A	0.008	0	
12:30 - 13:40	AMS03	1.0	N/A	0.008	0	
	AMS04	1.0	N/A	0.004	0	XDD Injecting Wells
	RT05	25.0	N/A	0.003	0	
	AMS01	1.0	N/A	0.001	0	
	AMS02	41.0	N/A	0.008	0	
13:30 - 13:40	AMS03	1.0	N/A	0.014	0	
	AMS04	1.0	N/A	0.006	0	XDD Injecting Wells
	RT05	57.0	N/A	0.001	0	
	AMS01	1.0	N/A	0.010	0	
	Ams02	35.0	N/A	0.011	0	
14:30-14:40	AMS03	1.0	N/A	0.002	0	
14.30-14.40	AMS04	1.0	N/A	0.005	0	XDD Injecting Wells
	RT05	63.0	N/A	0.001	0	
	AMS01	1.0	N/A	0.012	0	
	AMS02	9.0	N/A	0.005	0	
45.00 45.40	AMS03	1.0	N/A	0.009	0	
15:30-15:40	AM\$04	1.0	N/A	0.017	0	XDD Injecting Wells
	RT05	143.0	N/A	0.019	0	·····
			,	1		
	<u> </u>					
	AMS01	1.0	N/A	0.017	0	
	AMS01 AMS02	1.0	N/A N/A	0.009	0	
	AMS02	1.0	N/A N/A	0.021	0	
16:30-16:40	AMS03		N/A N/A		0	XDD Flushing Water Through System
		1.0		0.002		- /
	RT05	63.0	N/A	0.003	0	
	<u> </u>	+				
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
17:30-17:40				NUA	N/A	
17:30-17:40	AMS04	N/A	N/A	N/A		
17:30-17:40	AMS04 RT05	N/A N/A	N/A N/A	N/A N/A	N/A N/A	

Project Mame	Ameren Tovlaarilla	Locofeer	T	ndile II	Samplar	Andrew   Andorron
Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	10/	1/2011		
	_					
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
_		110 (000)	Benzene	Boot include in grin o	0000	
Time	Location	Make RAE Systems	Make <u>PhotoVac</u>	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D. 5230		
	AMS01	1.0	N/A	0.009	0	
Γ	AMS02	1.0	N/A	0.004	0	
F			N/A	0.010	0	
7:30 - 7:40	AMS03	1.0		1		XDD Deservice to Oh the Live for
-	AMS04	1.0	N/A	0.003	0	XDD Perparing to Startup Injection
	RT05	1.0	N/A	0.006	0	
	AMS01	1.0	N/A	0.005	0	
-		1	1	1		
F	AMS02	1.0	N/A	0.001	0	
8:30 - 8;40	AMS03	1.0	N/A	0.008	0	
· _	AMS04	1.0	N/A	0.001	0	XDD Injecting Wells
	RT05	1.0	N/A	0,004	0	
F						
			1			
	411004		A114	0.000	0	
F	AMS01	1.0	N/A	0.003	0	
Ļ	AMS02	1.0	N/A	0.003	0	
9:30 - 9:40	AMS03	1.0	N/A	0.004	0	
0.00-0.40	AMS04	1.0	N/A	0.001	0	XDD Injecting Wells
F	RT05	1.0	N/A	0.011	0	
L	AMS01	1.0	N/A	0.006	0	
	AMS02	1.0	N/A	0.002	0	
ľ	AMS03	1.0	N/A	0.001	0	
10:30 - 10:40	AMS04	1,0	N/A	0,003	0	XDD Injecting Wells
ŀ						rate injecting trails
-	RT05	1.0	N/A	0.005	0	
	AMS01	1.0	N/A	0.001	0	
	AMS02	1.0	N/A	0.001	0	
_						
11:30 - 11:40	AMS03	1.0	N/A	0.002	0	XOO ILIANS MAN
-	AMS04	1.0	N/A	0.009	0	XDD Injecting Wells
	RT05	1.0	N/A	0.001	0	
	AMS01	1.0	N/A	0.013	0	
	AMS02	1.0	N/A	0.004	0	
12:30 - 13:40	AMS03	1.0	N/A	0.001	0	
	AMS04	1.0	N/A	0.002	0	XDD Injecting Wells
	RT05	1.0	N/A	0.007	0	
				+		
	44001	1.0	N/A	0.001	0	
ł	AMS01 AMS02	1.0	N/A N/A	0.001	0	
ł	AMS02	1.0	N/A N/A	0.007	0	
13:30 - 13:40	AMS04	1.0	N/A	0,003	0	XDD Injecting Wells
ŀ	RT05	1.0	N/A	0.002	0	, as a marking trains
		1	1			
	AMS01	1.0	N/A	0.001	0	
1	Ams02	1.0	N/A	0.001	0	
14:30-14:40	AMS03	1.0	N/A	0,002	0	
11,00-14,40	AMS04	1.0	N/A	0.008	0	XDD Injecting Wells
	RT05	1.0	N/A	0.004	0	
	A14004	10		0.000		
	AMS01 AMS02	1.0	N/A N/A	0.003	0	
	AMS03	1.0	N/A N/A	0.008	0	
15:30-15:40	AMS03	1.0	N/A N/A	0.004	0	XDD Injecting Wells
	RT05	1.0	N/A	0.016	0	All Children and C
		1				
		1	1	1		
	AMS01	1.0	N/A	0.012	0	
	AMS02	1.0	N/A	0.004	0	
10:00 10:10	AMS03	1.0	N/A	0.002	0	VDD Elustine Western The Local
16:30-16:40	AMS04	1.0	N/A	0.010	0	XDD Flushing Water Through System
	RT05	1.0	N/A	0.001	0	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
17:30-17:40	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	
17.30-17.40					N/A	
17.30-17.40	RT05	N/A	N/A	N/A		

Project Name:	Ameren Taylorville	Location:	Tayk	orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		3/2011		
			Portable GC (pprn)	·		D
		PID (ppb)	Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. <u>250-103008</u>	I.D. EVKV 350	I.D. 5230		
	AMS01	1.0	N/A	0.001	0	
	AMS02	1.0	N/A	0.001	0	
	AMS03	1.0	N/A	0.004	0	
7:30 - 7:40	AMS04	1.0	N/A	0.006	0	XDD Perparing to Startup Injection
			_			the particular of the started with the started
	RT05	1.0	<u>N/A</u>	0.003	0	
			1			
	AMS01	1.0	N/A	0.015	0	
					0	
	AMS02	6.0	<u>N/A</u>	0.005		
8:30 - 8:40	AMS03	12.0	N/A	0.027	0	
0.00 0.10	AMS04	1,0	N/A	0.020	0	XDD Injecting Wells
	RT05	140.0	N/A	0.004	0	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	AMS01	1.0	N/A	0.008	0	
	AMS02	1.0	N/A	0.007	0	
	AMS03	1.0	N/A	0.020	0	
9:30 - 9:40		1.0		0.028	0	XDD Injecting Wells
	AMS04		N/A			Accounter the second second
	RT05 108.0 N/A 0.007 0					
	AMS01	1.0	N/A	0.012	0	
					0	
	AMS02	1.0	N/A	0.008		
10:30 - 10:40	AMS03	1,0	N/A	0.054	0	
10.30 - 10.40	AMS04	1.0	N/A	0.009	0	XDD Injecting Wells
	RT05	52.0	N/A	0.006	0	
	11105	52.0	1963	0,000		
	AMS01	1.0	N/A	0,006	O	
	AMS02	33.0	N/A	0.005	0	
11:30 - 11:40	AMS03	67.0	<u>N/A</u>	0.011	0	
	AMS04	1.0	N/A	0.002	0	XDD Injecting Wells
	RT05	27.0	N/A	0.012	0	
	AMS01	1.0	N/A	0.021	0	
	AMS02	1.0	N/A	0.010	0	
12.20 12.40	AMS03	1.0	N/A	0.015	0	
12:30 - 13:40	AMS04	1.0	N/A	0.004	0	XDD Injecting Wells
	RT05	67.0	N/A	0.008	0	
	AMS01	1.0	N/A	0.006	0	
	AMS02	1.0	N/A	0.010	0	
13:30 - 13:40	AMS03	1.0	N/A	0.003	0	
10.00 - 10.40	AMS04	1.0	N/A	0.025	0	XDD Injecting Wells
	RT05	150.0	N/A	0.009	0	
	AMS01	1.0	N/A	0.002	0	
	Ams02	6.0	N/A	0.003	0	
14:30-14:40	AMS03	1.0	N/A	0.028	0	X00 I
	AMS04	1.0	N/A	0.009	0	XDD Injecting Wells
	RT05	12.0	N/A	0.027	0	
	-			<u> </u>		
	AMS01	1.0	N/A	0.009	0	
	AMS02	1.0	N/A N/A	0.009	0	
	AMS02 AMS03	1.0	N/A N/A	0.010	0	
15:30-15:40	AMS03	1.0	N/A N/A	0.048	0	XDD Injecting Wells
	RT05	108.0	N/A N/A	0.008	0	All a state of the state
		,00.0	1100	0.000		
	-			-		
	AMS01	1.0	N/A	0.008	0	
	AMS02	1.0	N/A	0.011	0	
	AMS03	6.0	N/A	0.008	Ő	
16:30-16:40	AMS04	1,0	N/A	0.008	0	XDD Flushing Water Through System
	RT05	186.0	N/A	0.012	0	
		,00.0	19/3	0.012	<u> </u>	
			<u> </u>		<u>                                     </u>	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	1 1000				N/A	
17:30-17:40		N/A	N/A	N/A		
17:30-17:40	AMS04 RT05	N/A N/A	N/A N/A	N/A N/A	N/A N/A	

		ENT AIR SAMPLING FI				
Project Name:	Ameren Taylorville	Location:		orville, )L	Sampler;	Andrew J, Anderson
Project Number:	090-290	Date:	10/	4/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make DAE Sustame	Benzene	Marka MIT		
		Make <u>RAE Systems</u> model: ppbRAEplus	Make <u>PhotoVac</u> Model <u>Voyager</u>	Make <u>MIE</u> Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	1.0	N/A	0.006	0	
Г	AMS02	1.0	N/A	0.002	0	
F	AMS02	1.0	N/A	0.002	0	
7:30 - 7:40			XDD Perparing to Startup Injection			
F	AMS04	1.0	N/A	0.010	0	XOD Perpairing to Startup Injection
F	RT05	1.0	N/A	0.004	0	
_	AMS01	1.0	N/A	0.015	0	
_	AMS02	1.0	N/A	0.017	0	
8:30 - 8:40	AMS03	1.0	N/A	0.020	0	
0.00 0.10	AMS04	1.0	N/A	0.013	0	XDD Injecting Wells
	RT05	6.0	N/A	0.012	0	
	AMS01	1.0	N/A	0.008	0	
ſ	AMS02	1.0	N/A	0.012	0	
ŀ	AMS03	1.0	N/A	0.012	0	
9:30 - 9:40	AMS03	1.0	N/A	0.010	0	XDD Injecting Wells
ŀ					0	ADD INCOMING PROID
F	RT05	1.0	N/A	0.014	v	
-	AMS01	1.0	N/A	0.022	0	
	AMS02	1.0	N/A	0.041	0	
10:30 - 10:40	AMS03	56,0	N/A	0.018	0	
	AMS04	1.0	N/A	0.015	0	XDD Injecting Wells
	RT05	1.0	N/A	0.009	0	
	AMS01	1.0	N/A	0.013	0	
_	AMS02	135.0	N/A	0.015	0	
	AMS03	1.0	N/A	0.011	0	
11:30 - 11:40	AMS04	1.0	N/A	0.034	0	XDD Injecting Wells
ŀ	RT05	9.0	N/A	0.013	0	, ,
ŀ	1(105	3.0	1975	0.015		
	AMS01	1.0	N/A	0.021	0	
[	AMS02	1.0	N/A	0.014	0	
12:30 - 13:40	AMS03	28.0	N/A	0.013	0	
	AMS04	1.0	N/A	0.012	0	XDD Injecting Wells
	RT05	1.0	N/A	0.012	0	
				_		
	AMS01	1.0	N/A	0.012	0	
]	AMS02	1.0	N/A	0.018	0	
13:30 - 13:40	AMS03	25.0	N/A	0.015	0	
· · ·	AMS04	1.0	N/A	0.016	0	XDD Injecting Wells
ŀ	RT05	6.0	N/A	0.014	0	
		<u>+</u>	1	1		
	AMS01	1.0	N/A	0.006	0	
[	Ams02	1.0	N/A	0.013	0	
14:30-14:40	AMS03	1.0	N/A	0.021	0	
ŀ	AMS04 RT05	1.0	N/A N/A	0,011 0.017	0	XDD Injecting Wells
ŀ		1.0	59//5	0.017		
	AMS01	1.0	N/A	0.030	0	
ļ	AMS02	1.0	N/A	0.007	0	
15:30-15:40	AMS03 AMS04	1.0	N/A N/A	0.012	0	YOD Intenting Minila
ł	RT05	1.0 69.0	N/A N/A	0.023	0	XDD Injecting Wells
ł		00.0	1965	0.010	<u> </u>	
	AMS01	1.0	N/A	0.041	0	
[	AMS02	1.0	N/A	0.009	0	
16:30-16:40	AMS03	22.0	N/A	0.013	0	XDD Flushing Water Through System
	AMS04 RT05	1.0	N/A N/A	0.011	0	
	11103	1.0	IN/A	0,007		
					<u>                                     </u>	
	AMS01	N/A	N/A	N/A	N/A	
[	AMS02	N/A	N/A	N/A	N/A	
17:30-17:40	AMS03	N/A	N/A	N/A	N/A	
	AMS04 RT05	N/A N/A	N/A N/A	N/A N/A	N/A N/A	

Project Name:	Ameren Taylorville	Location:	Taviz	orville, IL	Sampler:	Andrew J. Anderson
Project Number;	090-290	Date:		5/2011	Sampler.	Andrew J. Anderson
			Portable GC (ppm)	D	0.1	Diamatic .
		PID (ppb)	Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D5230		
	AMS01	1.0	N/A	0.001	0	_
	AMS02	1.0	N/A	0.002	0	
7:30 - 7:40	AMS03	1.0	N/A	0,001	0	
1.00 1.10	AMS04	1.0	N/A	0.006	0	XDD Perparing to Startup Injection
	RT05	1.0	N/A	0.005	0	
	AMS01	1.0	N/A	0.017	0	
	AMS02	1.0	N/A	0.018	0	
8:30 - 8:40	AMS03	12.0	N/A	0.022	0	7
0.30 - 0.40	AMS04	1.0	N/A	0.021	0	XDD Injecting Wells
	RT05	1,0	N/A	0,040	0	7
						7
						7
	AMS01	1.0	N/A	0.011	0	
	AMS02	1.0	N/A	0.014	0	7
0.00 0.10	AMS03	10.0	N/A	0.016	0	7
9:30 - 9:40	AMS04	1.0	N/A	0.023	0 0	XDD Injecting Wells
	RT05	1.0	N/A	0.018	0	7
		1.0	1		Ť	1
-		1				1
	AMS01	1.0	N/A	0.020	0	1
	AMS02	1.0	N/A	0.062	0	-
	AMS03	1.0	N/A	0.028	0	-
10:30 - 10:40	AMS04	1.0	N/A	0.019	ō	XDD Injecting Wells
	RT05	1.0	N/A	0.023	0	-
	11105	1.0	1973	0.023	Ů	-
						-
	AMS01	1.0	N/A	0.025	0	
	AMS02	1.0	N/A	0.017	0	-
						-
11:30 - 11:40	AMS03	1.0	N/A	0.012	0	XDD Injecting Wells
	AMS04	1.0	N/A	0.042	0	- Kob injeding viens
	RT05	1.0	N/A	0.014	0	-4
						-
	AMS01	1.0	N/A	0.021	0	
	AMS02	51.0	N/A	0.026	0	
12:30 - 13:40	AMS03	1.0	N/A	0.008	0	
	AMS04 RT05	1.0	N/A N/A	0.012	0	XDD Injecting Wells
	RIUS	17.0	000	0.025	0	-
	AMS01	1.0	N/A	0.024	0	
	AMS02	196.0	N/A	0.011	0	-
13:30 - 13:40	AMS03 AMS04	1.0	N/A N/A	0.026	0	XDD Injecting Wells
	RT05	1.0	N/A	0.014	0	
	41.001	1.0		0.001		
	AMS01 Ams02	1.0	N/A N/A	0.001	0	
1400 11:15	AMS02 AMS03	1.0	N/A N/A	0.034	0	-
14:30-14:40	AMS04	1.0	N/A	0.010	0	XDD Injecting Wells
	RT05	1.0	N/A	0.013	0	_
	-			-		
	AMS01	1.0	N/A	0.010	0	
	AMS02	1.0	N/A	0.010	0	<ul> <li>XDD Injecting Wells, At 15:43 Serious Daylig</li> <li>Occurred in Exclusion Zone Near RT05. Moni</li> </ul>
15:30-15:40	AMS03	1.0	N/A	0.017	0	Off Site till Work was Done for the Day. Ne
	AMS04	1.0 852.0	N/A	0.021	0	<ul> <li>Daylighting Area Highest Reading was 12.8</li> </ul>
	RT05	052.0	N/A	0.014	0	<ul> <li>Across the Street at the Park Highest Reading</li> </ul>
					<u> </u>	200 ррю
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
16:30-16:40	AMS03 AMS04	N/A N/A	N/A N/A	N/A N/A	N/A N/A	See 15:30 Notes, XDD Got Area Cleaned Up Were Off Site at 17:00
	RT05	N/A	N/A N/A	N/A N/A	N/A N/A	-
	AMS01	N/A	N/A	N/A	N/A	-1
	AMS02 AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
17:30-17:40	AMS03	N/A	N/A N/A	N/A	N/A N/A	
	RT05	N/A	N/A	N/A	N/A	

Project Name:	Ameren Taylorville	Location:	Tavio	rville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		5/2011		
				177 0 20 20 20 20 10		
		PID (ppb)	Portable GC (ppm)	Dust Manitar Mg/m^3	Odor	Remarks
Time	Location	Males DAE Queberra	Benzene	Male MIT		
	20040011	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
7:30 - 7:40	AMS04	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
						······
	RT05	N/A	N/A	N/A	N/A	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
8:30 - 8:40						XDD Perparing to Startup Injection
	AMS04	N/A	N/A	N/A	N/A	XOD Ferbaning to Startup Injection
	RT05	N/A	N/A	N/A	N/A	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
9:30 - 9:40	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	RT05	N/A	N/A	N/A	N/A	
	014004	N/A	N/A	N/A	N/A	
	AMS01	N/A				
10:30 - 10:40	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
10,50 - 10,40	AMS04	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	RT05	N/A	N/A	N/A	N/A	
	AMS01	N/A	N/A	N/A	N/A	
-	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
11:30 - 11:40	AMS04	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	RT05	N/A	N/A	N/A	N/A	
_	414004	N//A	N//A		21/2	
	AMS01 AMS02	N/A N/A	N/A N/A	N/A N/A	N/A	
	AMS02	N/A N/A	N/A N/A	N/A N/A	N/A	
12:30 - 13:40	AMS04	N/A N/A	N/A N/A	N/A N/A	N/A	XDD Perparing to Startup Injection
	RT05	N/A	N/A	N/A	N/A	XDD F cipaning to otartap injection
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
13:30 - 13:40	AMS03	N/A	N/A	N/A	N/A	
13.30 - 13.40	AMS04	N/A	N/A	N/A	N/A	XDD Perparing to Startup Injection
	RT05	N/A	N/A	N/A	N/A	
	AMS01	0.1	N/A	0.006	0	
	Ams02	0.1	N/A	0.009	0	
14:30-14:40	AMS03 AMS04	0.1	N/A N/A	0.005	0	XDD Injecting Wells
	RT05	0.1	N/A N/A	0.003	0	ADD injecting weis
		0.1	0%	0.000	·····	
	1		<u> </u>		<u> </u>	
	AMS01	0.1	N/A	0.003	0	
	AMS02	0.1	N/A	0.010	0	
15:30-15:40	AMS03	0.1	N/A	0.007	0	
13.30-13,40	AMS04	0,1	N/A	0,004	0	XDD Injecting Wells
	RT05	0.1	N/A	0.005	0	
	AMS01	0,1	N/A	0.007	0	
	AMS02	0.1	N/A	0.004	0	
16:30-16:40	AMS03	0.1	N/A	0.010	0	XDD Injecting Wells
	AMS04	0.1	N/A	0.006	0	
	RT05	0.1	N/A	0.002	0	
		+	+			
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
	AMS02 AMS03	N/A	N/A N/A	N/A	N/A .	
17:30-17:40	AMS04	N/A	N/A	N/A	N/A	
	RT05	N/A	N/A	N/A	N/A	

	AMBI	ENT AIR SAMPLING FI	ELD LOG			
Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/	7/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make <u>RAE Systems</u> model: ppbRAEplus	Benzene Make <u>PhotoVac</u> Model <u>Voyager</u>	Make <u>MIĘ</u> Model <u>pDR</u>		
		I.D. 250-103008	J.D. EVKV 350	I.D. 5230		
	AMS01	0.1	N/A	0.011	0	
	AMS02	0.1	N/A	0.013	0	]
7:30 7:40	7:30 - 7:40 AM\$03 0.1 N/A 0.016 0 AM\$04 0.1 N/A 0.017 0	0	]			
7.50 - 7.40		0	XDD Perparing to Startup Injection			
	RT05	0.1	N/A	0.015	0	-
						-
	AMS01	0.1	N/A	0,010	0	
	AMS02	0.1	N/A	0.009	0	
8:30 - 8:40	AMS03	0.1	N/A	0.012	0	
0.00 - 0.40	AMS04	0.1	N/A	0.007	0	XDD Injecting Wells
	RT05	0.1	N/A	0.011	0	-
						-
	AMS01	0.1	N/A	0.004	0	
	AMS02	0.1	N/A	0.003	0	4
9:30 - 9:40	AMS03	0.1	N/A	0.005	0	
	AMS04	0,1	N/A	0.006	0	XDD Injecting Wells
	RT05	0.1	N/A	0.004	0	4
						1
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
10:30 - 10:40	AMS03	0.1	N/A	0,001	0	
10.30 - 10.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.006	0	-
						-
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
11:30 - 11:40	AMS03	0.1	N/A	0.007	0	
11.00 - 11.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.004	0	_
						-
	AMS01 AMS02	0.1	N/A N/A	0.006	0	-
	AMS02	0.1	N/A	0.001	0	-
12:30 - 13:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.007	0	-
	A14004	0.1	11/P	0.000	^	
	AMS01 AMS02	0.1	N/A N/A	0.003	0	4
12:20 12:10	AMS02	0.1	N/A	0.001	0	1
13:30 - 13:40	AMS04	0.1	N/A	0.005	0	XDD Injecting Wells
	RT05	0.1	N/A	0.008	0	
	A11004			0.001		
	AMS01 Ams02	0.1	N/A	0.001	0	-1
14-30-14-40	AMS03	0.1	N/A	0.001	0	1
14:30-14:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.013	0	
	AMS01	0.1	N/A	0.001	0	
	AMS07	0.1	N/A N/A	0.001	0	XDD Injecting Wells, At 15:30 Arron from XD
	AMS03	0.1	N/A	0.001	0	Informed me of Daylighting inside the Exclusi
15:30-15:40			N/A	0.001	0	Zone. Monitored till 16:00 Highest Reading off
15:30-15:40	AMS04	0.1		RT05 0.1 N/A 0.001		Was 58ppb Highest Reading Right Above Dayli
15:30-15:40	AMS04			0.001	0	Was 58ppb Highest Reading Right Above Day Area Was 1.9ppm
15:30-15:40	AMS04 RT05	0.1	N/A			
15:30-15:40	AMS04			N/A	0 N/A N/A	
	AMS04 RT05 AMS01 AMS02 AMS03	0.1 N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	
15:30-15:40	AMS04 RT05 AMS01 AMS02 AMS03 AMS03	0.1 N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	
	AMS04 RT05 AMS01 AMS02 AMS03	0.1 N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	
	AMS04 RT05 AMS01 AMS02 AMS03 AMS03 AMS04 RT05	0.1 N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	
	AMS04 RT05 AMS01 AMS02 AMS02 AMS03 RT05 AMS04 AMS01	0.1 N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	
16:30-16:40	AMS04 RT05 AMS01 AMS02 AMS02 AMS04 RT05 AMS04 AMS04 AMS01 AMS01 AMS01	0.1 N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	
	AMS04 RT05 AMS01 AMS02 AMS03 AMS03 RT05 RT05 AMS01 AMS01 AMS02	0.1 N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	

		NT AIR SAMPLING FI				
Project Name:	Ameren Taylorville	Location:		orville, X,	Sampler:	Andrew J. Anderson
Project Number;	090-290	Date:	12/	8/2011		
		PID (ppb)	Portable GC (pprn)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus I.D. <u>250-103008</u>	Model Voyager J.D. EVKV 350	Model <u>pDR</u>		
				I.D. <u>5230</u>		
-	AMS01	0.1	N/A	0,010	0	
-	AMS02	0,1	<u>N</u> /A	0.015	0	
7:30 - 7:40	AMS03	0.1	N/A	0.006	0	
	AMS04	0.1	N/A	0.011	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.008	0	
	AMS01	0.1	N/A	0.011	0	
ľ	AMS02	0.1	N/A	0.008	0	
ł	AMS03	0.1	N/A	0.009	0	
8:30 - 8:40	AMS04	0.1			0	XDD Injecting Wells
-			N/A	0.013		ADD Injecting weils
	RT05	0.1	N/A	0.010	0	
l	AMS01	0.1	N/A	0.005	0	
[	AMS02	0.1	N/A	0.006	0	
0.20 0.40	AMS03	0.1	N/A	0.008	0	
9:30 - 9:40	AMS04	0.1	N/A	0.006	0	XDO Injecting Wells
1	RT05	0,1	N/A	0.007	0	
ł			110	0.001		
			<u> </u>			
	AMS01	0.1	N/A	0.005	0	
ļ	AMS02	0.1	N/A	0.008	0	
10;30 - 10;40	AMS03	0.1	N/A	0.010	0	
10,30 - 10,40	AMS04	12.0	N/A	0.007	0	XDD Injecting Wells
	RT05	0,1	N/A	0.004	0	
		0.1		0.007	<u>^</u>	
	AMS01	0.1	N/A	0.007	0	
L	AMS02	0.1	N/A	0.009	0	
11:30 - 11:40	AMS03	0.1	N/A	0.008	0	
11.30 - 11.40	AMS04	0.1	N/A	0.006	0	XDD Injecting Wells
	RT05	0,1	N/A	0.013	0	]
			_			
	AMS01	0.1	N/A	0.004	0	
	AMS02	0.1	N/A	0.002	0	
12:30 - 13:40	AMS03	0.1	N/A	0.003	0	
	AMS04	0.1	N/A	0.004	0	XDD Injecting Wells
	RT05	0,1	N/A	0.005	0	
	AMS01	0.1	N/A	0.005	0	
	AMS02	0.1	N/A N/A	0.005	0	
42.20 42.42	AMS03	9.0	N/A	0,006		1
13:30 - 13:40	AMS04	0.1	N/A	0.003	0	XDD Injecting Wells
	RT05	0.1	N/A	0.006	0	]
						]
	AMS01	0.1	N/A	0.003	0	4
	Ams02	0.1	N/A	0.007	0	4
14:30-14:40	AMS03	0.1	N/A	0.007	0	
	AMS04 RT05	0.1	N/A N/A	0.005	0	XDD Injecting Wells
	N105	0.1	AVPC	0.004	0	1
			1			1
	AMS01	0.1	N/A	0.006	0	
	AMS02	0.1	N/A	0.009	0	1
15:30-15:40	AMS03	21.0	N/A	0.005	0	]
.5.50-15,40	AMS04	0.1	N/A	0.008	0	XDD Injecting Wells
	RT05	0.1	N/A	0.003	0	4
						-
	41/001			0.000	-	
	AMS01	0.1	N/A	0.005	0	4
	AMS02	0.1	N/A	0.005	0	YDD Eluching Lines 145th Martin Durant
16:30-16:40	AMS03 AMS04	26.0	N/A	0.003	0	XDD Flushing Lines With Water. Preparing to Down For the Day
	RT05	0.1	N/A N/A	0.006	0	Jowil For the Uay
	100	0.1	IN/A	0.002	0	4
				1		
	AMS01	N/A	N/A	N/A	N/A	1
	AMS02	N/A .	N/A	N/A N/A	N/A N/A	1
47.00 47.00	AMS02	N/A	N/A	- N/A	N/A	1
17:30-17:40	AMS04	N/A	N/A	N/A	N/A	1
	RT05	N/A	N/A	N/A	N/A	1
			19/0			1

Project Name:	Ameren Taylorville	Location:		prville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		9/2011		
		PID (ppb)	Portable GC (ppm) Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make <u>RAE Systems</u> model: ppbRAEplus	Make <u>PhotoVac</u> Model <u>Voyager</u>	Make <u>MIE</u> Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	0,1	N/A	0.012	0	
	AMS02	0.1	N/A	0.016	0	
7:20 7:40	AMS03	0.1	N/A	0,009	0	
7:30 - 7:40	AMS04	0.1	N/A	0.011	0	XDD Perparing to Startup Injection
	RT05 0.1 N/A 0.010 0					
	AMS01	0.1	N/A	0.015	0	
			N/A	0.013	0	4
	AMS02	0.1			0	-
8:30 - 8:40	AMS03	0.1	N/A	0,012		
	AMS04	0.1	N/A	0.017	0	XDD Injecting Wells
	RT05	0.1	N/A	0.014	0	-
	AMS01	0.1	N/A	0.008	0	
	AMS02	0.1	N/A	0.008	0	
9:30 - 9:40	AMS03	0.1	N/A	0.005	0	
5.50 - 5.40	AMS04	0.1	N/A	0.009	0	XDD Injecting Wells
	RT05	0.1	N/A	0.006	0	
						4
	AMS01	0.1	N/A	0.002	0	
	AMS02	0,1	N/A	0.001	0	
	AMS03	0.1	N/A	0.004	0	
10:30 - 10:40	AMS04	0.1	N/A	0.005	0	XDD Injecting Wells
	RT05	0.1	N/A	0.008	0	
	R 105	0.1	19/24	0.008	0	-
	AMS01	0.1	N/A	0.006	0	-
-	AMS02	0.1	N/A	0.002	0	-
11:30 - 11:40	AMS03	0.1	N/A	0.001	0	XDD Injusting Malls
	AMS04	0.1	N/A	0.004	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	-
_						-
	AMS01 AMS02	0.1	N/A N/A	0.001	0	4
	AMS02	0.1	N/A	0.001	0	-
12:30 - 13:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	36.0	N/A	0.001	0	-
			L		<u> </u>	
	AMS01 AMS02	0.1	N/A N/A	0.004	0	-
	AMS02 AMS03	0.1	N/A N/A	0.001	0	-
13:30 - 13:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	30.0	N/A	0.001	0	
						-
	AMS01	0.1	N/A	0.015	0	
	Ams02 AMS03	0.1	N/A N/A	0.001	0	-
14:30-14:40	AMS04	0.1	N/A N/A	0.008	0	XDD Injecting Wells
	RT05	71.0	N/A	0.010	0	
	AMS01	0,1	N/A	0.017	0	
	AMS02 AMS03	17.0	N/A N/A	0.001	0	-
15:30-15:40	AMS03 AMS04	0.1	N/A N/A	0.001	0	XDD Injecting Wells
	RT05	63.0	N/A	0.001	0	
						1
	AMS01 AMS02	0.1	N/A	0.005	0	-
40.00 40 10	AMS02	0.1	N/A	0.001	0	XDD Flushing Lines With Water, Preparing to
16:30-16:40	AMS04	0.1	N/A	0.001	0	Down For the Day
	RT05	13.0	N/A	0.001	0	
		_				1
	AMS01	N/A	N/A	N/A	N/A	
	AMS02 AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-
17:30-17:40	AMS03	N/A	N/A N/A	N/A N/A	N/A N/A	-
			N/A	N/A	N/A	7
	RT05	N/A	INVA	180	110	

Project No.	Ameren Taylorville	1	Y		Comeler	Androw   Andrew-
Project Name:		Location:		orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date;	14	1/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	ModelDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	0.1	N/A	0.010	0	
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.001	0	
7:30 - 7:40	AMS04	0.1	N/A	0.006	0	XDD Perparing to Startup Injection
						ABD 1 erpaining to startup injection
	RT05	0.1	N/A	0.009	0	-
	AMS01	0.1	N/A	0.008	0	
	AMS02	0.1	N/A	. 0.009	0	
		1				-
8:30 - 8:40	AMS03	0.1	N/A	0.008	0	
	AMS04	0.1	N/A	0.004	0	XDD Trying to Unfreeze Injection Lines
	RT05	0.1	N/A	0.007	0	
						1
	AMS01	0.1	N/A	0.006	0	
						4
	AMS02	0.1	N/A	0.002	0	4
9:30 - 9:40	AMS03	19.0	N/A	0.002	0	4
	AMS04	0.1	N/A	0.005	0	XDD Injecting Wells
	RT05	0.1	N/A	0.003	0	
						1
		1	+ · · - ·			1
	AMS01	0.1	N/A	0.003	0	_
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.002	0	
10:30 - 10:40	AMS04	0.1	N/A	0.003	0	XDD Injecting Wells
		1				
	RT05	35.0	N/A	0.007	0	_
	AMS01	0.1	N/A	0.006	0	
	AMS02	0.1	N/A	0.002	0	
						-
11:30 - 11:40	AMS03	0.1	N/A	0.001	0	A NDD Isis stine 184-lls
	AMS04	0.1	N/A	0.008	0	XDD Injecting Wells
	RT05	0.1	N/A	0.003	0	_
	AMS01	0.1	N/A	0.002	0	
	AMS02	0.1	N/A	0.007	0	
12:30 - 13:40	AMS03	0.1	N/A	0.002	0	
	AMS04	0.1	N/A	0.003	0	XDD Injecting Wells
	RT05	0.1	N/A	0.009	0	
						_
	41.000			0.000		
	AMS01	0.1	N/A	0.008	0	-
	AMS02	0.1	N/A N/A	0.017	0	-
13:30 - 13:40	AMS03 AMS04	21.0 0.1	N/A N/A	0.006	0	XDD Injecting Wells
	RT05	0.1	N/A N/A	0.010	0	ADD injecting wells
	1103	9.1	iw/A	0.000	U	-1
						1
	AMS01	0.1	N/A	0.009	0	
	AMS02	0.1	N/A	0,005	ů ů	1
11.20 11.10	AMS03	0.1	N/A	0.010	Ő	1
14:30-14:40	AMS04	0.1	N/A	0.016	ů.	XDD Injecting Wells
	RT05	0.1	N/A	0.007	0	1
	AMS01	0.1	N/A	0.015	0	
	AMS02	0.1	N/A	0,005	0	_
15:30-15:40	AMS03	0.1	N/A	0.003	0	_
.0.00 10.40	AMS04	0.1	N/A	0,005	0	XDD Injecting Wells
	RT05	0.1	N/A	0.004	0	4
						4
	AMS01	0.1	N/A	0.004	0	4
	AMS02	0.1	N/A	0.004	0	
16:30-16:40	AMS03	0,1	N/A	0.003	0	XDD Flushing Lines With Water, Preparing to S
10.30-10:40	AMS04	0.1	N/A	0.001	0	Down For the Day
10.30-16:40	RT05	0.1	N/A	0.006	0	4
10.30-16:40	1			+		
10.30-16:40				1		1
16.30-16;40				A - 1 -	4.1.1.	-
16.30-16:40	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	-
17:30-17:40	AMS02 AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-
	AMS02	N/A	N/A	N/A	N/A	-

Project Name:	Ameren Taylorville	Location:	Taylo	orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/1	2/2011		
						<u>+</u>
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
<b>T</b>	1 K		Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	1.D. EVKV 350	I.D. 5230		
	AMS01	0.1	N/A	0.012	0	
						-
ļ	AMS02	0.1	N/A	0.006	0	
7.00 7.40	AMS03	0,1	N/A	0.003	0	
7:30 - 7:40	AMS04	0.1	N/A	0.004	0	XDD Perparing to Startup Injection
	RT05	0,1	N/A	0.007	0	_
	AMS01	0.1	N/A	0.012	0 -	
						-
	AMS02	0.1	N/A	0.009	0	4
8:30 - 8:40	AMS03	0.1	N/A	0.010	0	
0.30 - 0.40	AMS04	0.1	N/A	0.008	0	XDD Injecting Wells
			1			
	RT05	0.1	N/A	0.009	0	_
	AMS01	0.1	N/A	0.001	0	
						-1
	AMS02	0.1	N/A	0.001	0	4
0.20 0.40	AMS03	0.1	N/A	0.006	0	
9:30 - 9:40	AMS04	0.1	N/A	0.004	0	XDD Injecting Wells
	RT05	0.1	N/A	0.003	0	
	AMS01	0.1	N/A	0.001	0	
						-
	AMS02	0.1	N/A	0.003	0	
10:30 - 10:40	AMS03	0.1	N/A	0.001	0	
10:30 - 10:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
				1		
	RT05	0.1	N/A	0.001	0	_
						7
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.002	0	
	AMS03	0.1	N/A	0.001	0	
11:30 - 11:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
						-
	RT05	0.1	N/A	0.002	0	
	AMS01	0.1	N/A	0.003	0	
	AMS02	0.1	N/A	0.001	0	7
40.00 40.40	AMS03	0,1	N/A	0.010	0	7
12:30 - 13:40	AMS04	0,1	N/A	0.004	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	
				0.001	† • • •	
						-
	AMS01	0.1	N/A	0,001	0	1
	AMS02	0.1	N/A N/A	0.001	0	-1
	AMS02 AMS03	0.1	N/A	0.001	0	-1
13:30 - 13:40			N/A N/A	0.001		XDD Injusting Malle
	AMS04	0.1			0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	
		+	<u> </u>			
	A11001			0.000	+ _	
	AMS01	0.1	N/A	0.001	0	4
	AMS02	0.1	N/A	0.001	0	-1
14:30-14:40	AMS03	45.0	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
14:30-14:40		0.1	N/A	0.001	0	_
14:30-14:40	RT05				I	
14:30-14:40	RT05					
14:30-14:40						
14:30-14:40	AMS01	0.1	N/A	0.002	0	
14:30-14:40	AMS01 AMS02	0.1	N/A	0.005	0	
	AMS01 AMS02 AMS03	0.1	N/A N/A			
14:30-14:40	AMS01 AMS02	0.1	N/A	0.005	0	XDD Injecting Wells
	AMS01 AMS02 AMS03	0.1	N/A N/A	0.005	0	XDD Injecting Wells
	AMS01 AMS02 AMS03 AMS04	0.1 0.1 0.1 0.1	N/A N/A N/A	0.005 0.010 0.001	0 0 0	XDD Injecting Wells
	AMS01 AMS02 AMS03 AMS04	0.1 0.1 0.1 0.1	N/A N/A N/A	0.005 0.010 0.001	0 0 0	XDD Injecting Wells
	AMS01 AMS02 AMS03 AMS04 RT05	0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A	0.005 0.010 0.001 0.003	0 0 0 0	XDD Injecting Wells
	AMS01 AMS02 AMS03 AMS04 RT05 AMS01	0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A	0.005 0.010 0.001 0.003	0 0 0 0	XDD Injecting Wells
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02	0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001	0 0 0 0	
	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001	0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0	
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001	0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS02 AMS04 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001 0.001 0.001		XDD Flushing Lines With Water. Preparing to
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS04 RT05 RT05 AMS01 AMS01 AMS02	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40 16:30-16:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS04 RT05 	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05 C AMS01 AMS04 AMS01 AMS02 AMS01 AMS02 AMS03 AMS04	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A           N/A	0.005 0.010 0.001 0.003 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Flushing Lines With Water. Preparing to
15:30-15:40 16:30-16:40	AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS04 RT05 	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.005 0.010 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Flushing Lines With Water. Preparing to

Project Name:	Ameren Taylorville	Location:	Tavlo	orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		3/2011		
	000 200					
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Mala DAG Ostana	Benzene	Male ME		
	Loodaon	Make RAE Systems	Make PhotoVac	Make MIE		
		model; ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	I.D. EVKV 350	I.D5230		
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	1
7:30 - 7:40						- XDD Berneging to Startup Injection
	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.001	0	
						4
	AMS02	0.1	N/A	0.001	0	-
8:30 - 8:40	AMS03	0.1	N/A	0.001	0	
0.30 - 0.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	-
	RIUS	0.1	1975	0.001		-
						-
	AMS01	0.1	N/A	0.001	0	
	AMS02	0,1	N/A	0.001	0	
					0	1
9:30 - 9:40	AMS03	0.1	N/A	0.001		X00 1-1-1-1
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	
		<u> </u>	1			7
				0.001	0	
	AMS01	0.1	N/A	0.001		-
	AMS02	0,1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
10:30 - 10:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
						-
	RT05	0.1	N/A	0.001	0	-
	AMS01	0.1	N/A	0.001	0	
		0.1	N/A	0.001	0	-
	AMS02					
11:30 - 11:40	AMS03	0.1	N/A	0.001	0	
11,50 - 11,40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	-
		0.1				
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	-
12:30 - 13:40	AMS03	0.1	N/A	0.001	0 0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	Abb injuding mens
	1(105	0.1	190	0,001	<u> </u>	-
						-
	AMS01	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.001	0	1
	AMS02 AMS03	0.1	N/A	0.001	0	1
13:30 - 13:40	AMS03	0,1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	
					-	7
						7
	AMS01	0.1	N/A	0.001	0	
	AMS02	0,1	N/A	0.001	0	
14:30-14:40	AMS03	0.1	N/A	0.001	0	
14;30-14;40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells, Light Rain
	RT05	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	_
15:30-15:40	AMS03	0.1	N/A	0.001	0	
10,00 10,40	AMS04	0,1	N/A	0.001	0	XDD Injecting Wells, Light Rain
	RT05	0.1	N/A	0.001	0	
						_
	AMS01	0.1	N/A	0.001	0	_
	AMS02	0.1	N/A	0.001	0	
16:30-16:40	AMS03	0.1	N/A	0.001	0	XDD Flushing Lines With Water. Preparing to
10.30-10:40	AMS04	0.1	N/A	0.001	0	Down For the Day, Raining
	RT05	0.1	N/A	0.001	0	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
					N/A	1
17-30-17-40	AMS03	N/A	N/A	N/A		
17:30-17:40	AMS03 AMS04	N/A	N/A	N/A	N/A	
17:30-17:40	AMS03					

Project Name:	Ameren Taylorville	Location:	Taul	orville, IL	Sampler:	Andrew J. Anderson
					Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:	12/1	4/2011		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
		10 (000)	Benzene	Dust monitor might o	000	Terriarks
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-10300B	I.D. EVKV 350	I.D. <u>5230</u>		
_						
	AMS01	0.1	N/A	0.010	0	
	AMS02	0.1	N/A	0.017	0	
	AMS03	0.1	N/A	0.012	0	1
7:30 - 7:40		1		1 1		
	AMS04	0.1	N/A	0.011	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.021	0	
						1
						1
				<u> </u>		
	AMS01	0.1	N/A	0.014	0	
	AMS02	0.1	N/A	0.023	0	
	AMS03	0.1	N/A	0,015	0	1
8:30 - 8:40						
	AMS04	0.1	N/A	0.012	0	XDD Injecting Wells
	RT05	0.1	N/A	0.019	0	
		— —				1
						-
	AMS01	0.1	N/A	0.005	0	]
	AMS02	0.1	N/A	0,006	0	1
	AMS03					1
9:30 - 9:40		0.1	N/A	0.001	0	4
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.013	0	
		1				
			<u> </u>	┼───┤		4
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0,001	0	1
						4
10:30 - 10:40	AMS03	0.1	N/A	0.001	0	
10.00	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0,1	N/A	0.001	0	1
		0,1	19//4	0.001	0	4
	AMS01	0.1	N/A	0.001	0	
		1				-
	AMS02	0.1	N/A	0.001	0	
44.00 44.40	AMS03	0.1	N/A	0.001	0	
11:30 - 11:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
			1			
	RT05	0.1	N/A	0.001	0	
						7
						1
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	1
	AMS03	0.1	N/A	0.001	0	1
12:30 - 13:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	ADD injecting weeks
	11100	0.1	11/0	0.001		4
						4
	A11004		h*/4	0.001		
	AMS01	0.1	N/A	0.001	0	4
	AMS02	0.1	N/A	0.001	0	4
13:30 - 13:40	AMS03	0.1	N/A	0.001	0	
10.10	AMS04	0.1	N/A	0,001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	1
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0,001	0	1
	AMS03	0.1	N/A	0.001	0	1
14:30-14:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells, Light Rain
	RT05	0.1	N/A	0.001	0	
				0.001		1
	1					4
	AMS01	0.1	N/A	0.001	0	
	AMS01 AMS02	0.1	N/A N/A	0.001	0	4
						4
15:30-15:40	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells, Raining
	RT05	0.1	N/A	0.001	0	4
						1
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	1
	AMS03	0.1	N/A	0.001	0	XDD Flushing Lines With Water, Preparing to S
16:30-16:40	AMS04	0.1	N/A	0.001	0	Down For the Day, Raining
	RT05	0.1	N/A			
	CUD	0.1	N/A	0.001	0	4
	<u> </u>	+		<b>├</b> ────		<u> </u>
			-			-
	AMS01	N/A	N/A	N/A	N/A	4
	AMS02	N/A	N/A	N/A	N/A	1
	AMS03	N/A	N/A	N/A	N/A	
17-30-17-40						
17:30-17:40	AMS04	N/A	N/A	N/A	N/A	
17:30-17:40			N/A N/A	N/A N/A	N/A	-

		ENT AIR SAMP∐NG FII				
Project Name:	Ameren Taylorville	Location:		orville, IL	Sampler:	Andrew J. Anderson
Project Number;	090-290	Date:	2/2	8/2012		
		PID (ppb)	Portable GC (pprn)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene	Males MIT		
	Looddon	Make RAE Systems	Make <u>PhotoVac</u> Model <u>Voyager</u>	Make <u>MIE</u> Model <u>pDR</u>		
		model; ppbRAEplus I.D. <u>250-103008</u>	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	0.1	N/A	0.001	0	
				1		-
	AMS02	0.1	N/A	0.001	0	-
7:30 - 7:40	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.001	0	-
	AMS01	0.1	N/A	0,001	0	
	AMS02	0.1	N/A	0.003	0	
0.20 0.40	AMS03	0,1	N/A	0.001	0	7
8:30 - 8:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.002	0	
		0.1		0.002		1
						-
	AN/004		<b>N</b> 1/A	0.004		1
	AMS01	0.1	N/A	0.001	0	4
	AMS02	0.1	N/A	0.001	0	4
9:30 - 9:40	AMS03	0.1	N/A	0.001	0	-
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	_
						_
	AMS01	0.1	N/A	0,001	0	
	AMS02	0.1	N/A	0.012	0	7
	AMS03	0.1	N/A	0.001	0	-
10:30 - 10:40	AMS04	0,1	N/A	0.001	0	XDD Injecting Wells
	-			0.001	0	
	RT05	0.1	N/A	0.001	<u> </u>	
						_
	AMS01	0.1	N/A	0.001	0	
11/20 41/40	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.003	O	
11:30 - 11:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.008	0	
						7
	-					-
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	_
12:30 - 13:40	AMS03	0.1	N/A	0.001	0	
	AMS04	0.1	N/A N/A	0.002	0	XDD Injecting Wells
	RT05	0.1	IN/A	0.010	U U	-
						-
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.005	0	]
13:30 - 13:40	AMS03	0.1	N/A	0.004	0	
. 5.00 - 10.70	AMS04	0.1	N/A	0.007	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	-
		<u> </u>		+	<u> </u>	-1
	AMS01	0.1	N/A	0.001	0	1
	AMS07	0.1	N/A	0.001	0	1
14:30-14:40	AMS03	0.1	N/A	0.001	0	]
14,30-14,40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	4
		<b>↓</b>				
	AMS01	0.1	N/A	0,006	0	-
	AMS01 AMS02	0.1	N/A	0.000	0	
15-20 40-40	AMS03	0.1	N/A	0.002	0	1
15:30-15;40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.013	0	
						4
				0.000	L	-
	AMS01 AMS02	0.1	N/A N/A	0.003	0	
	AMS02 AMS03	0.1	N/A N/A	0.001	0	XDD Flushing Lines With Water. Preparing to 8
16:30-16:40	AMS04	0.1	N/A	0.007	0	Down For the Day
	RT05	0.1	N/A	0.001	0	
	AMS01	N/A	N/A	N/A	N/A	4
	AMS02	N/A	N/A	N/A	N/A	
17:30-17:40	AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
	AMS04			N/A N/A	N/A N/A	-
	RT05	N/A	N/A			

Project Name:	Ameren Taylorville	Location:	Tavl	orville, 1L	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		9/2012		
		PID (ppb)	Portable GC (ppm) Benzene	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make_RAE_Systems_	Make PhotoVac	Make <u>MIE</u>		
			Model Voyager			
		model: ppbRAEplus I.D. <u>250-103008</u>	I.D. EVKV 350	Model <u>pDR</u> I.D. <u>5230</u>		
	AMS01	0.1	N/A	0.001	0	4
	AMS02	0.1	N/A	0.001	0	
7:30 - 7:40	AMS03	0.1	N/A	0.001	0	
7.30 - 7.40	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.001	0	
	R105	0.1	IN/A	0.001	0	-
						-
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.013	0	
	AMS03	0.1	N/A	0.029	0	7
8:30 - 8:40		1				XDD Injecting Wells
	AMS04	0.1	N/A	0.020	0	ADD Injecting Weils
	RT05	0.1	N/A	0.018	0	_
	AMS01	0,1	N/A	0.021	0	
				1 1		1
	AMS02	0.1	N/A	0.018	0	
9:30 - 9:40	AMS03	0,1	N/A	0.014	0	4
	AMS04	0.1	N/A	0.022	0	XDD Injecting Wells
	RT05	0.1	N/A	0.013	0	
					-	1
						-1
					_	
	AMS01	0.1	N/A	0.001	0	4
	AMS02	0.1	N/A	0.008	0	
	AMS03	0.1	N/A	0.005	0	XDD Injecting Wells, Daylighting Occurring Ins
10:30 - 10:40	AMS04	0.1	N/A	0.011	0	Exclusion Zone, Monitored Outside Gate
						<ul> <li>Highest Reading was 57ppb, Monitored Insi</li> </ul>
	RT05	22.0	N/A	0.002	0	Exclusion Zone and Highest Rreading was 10
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	-
11:30 - 11:40	AMS03	0,1	N/A	0.008	0	XDD Injecting Wells, Daylighting Occurring
	AMS04	0.1	N/A	0.002	0	Exclusion Zone
	RT05	0.1	N/A	0.001	0	
						7
						-1
	AMS01	0,1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
12:30 - 13:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells Daylighting Occurring In
12.50 - 15.40	AMS04	0.1	N/A	0.001	0	Exclusion Zone
	RT05	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.004	0	
	AMS02	0.1	N/A	0.001	0	_
13:30 - 13:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells, Daylighting Occurring In
	AMS04	0.1	N/A	0.001	0	Exclusion Zone
	RT05	0.1	N/A	0.012	0	
			+			
	1	1				1
	AMS01	0.1	N/A		0	_
	AMS01 AMS02	0.1	N/A N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
14:30-14:40						
14:30-14:40	AMS02 AMS03 AMS04	0.1 0.1 0.1	N/A N/A N/A	0.001 0.001 0.001	0 0 0	XDD Injecting Wells,Daylighting Occurring In Exclusion Zone
14:30-14:40	AMS02 AMS03	0.1	N/A N/A	0.001 0.001	0	
14:30-14:40	AMS02 AMS03 AMS04 RT05	0.1 0.1 0.1	N/A N/A N/A	0.001 0.001 0.001 0.001	0 0 0	
14:30-14:40	AMS02 AMS03 AMS04	0.1 0.1 0.1	N/A N/A N/A	0.001 0.001 0.001	0 0 0	
14:30-14:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02	0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001	0 0 0 0	
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 	0 0 0 0 0	Exclusion Zone
14:30-14:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 	0 0 0 0 0 0 0 0 0	Exclusion Zone     XDD Injecting Wells, Daylighting Occurring In
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 	0 0 0 0 0	Exclusion Zone
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 	0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Daylighting Occurring In
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03 AMS04 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		Exclusion Zone     XDD Injecting Wells, Daylighting Occurring In
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	0 0 0 0 0 0 0 0 0 0	Exclusion Zone     XDD Injecting Wells, Daylighting Occurring In
	AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 RT05 AMS04 AMS01 AMS01 AMS02	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		XDD Injecting Wells,Daylighting Occurring In Exclusion Zone
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		Exclusion Zone     XDD Injecting Wells, Daylighting Occurring In     Exclusion Zone     XDD Got Daylighting Under Control, Flushi
	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS01 AMS03 AMS04	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		XDD Injecting Wells,Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flushi Injectorn Lines With Water, Preparing to Shut
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		Exclusion Zone     XDD Injecting Wells, Daylighting Occurring In     Exclusion Zone     XDD Got Daylighting Under Control, Flushi
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS01 AMS03 AMS04	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		XDD Injecting Wells, Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flush Injectorn Lines With Water, Preparing to Shut
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS02 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001		XDD Injecting Wells, Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flush Injectorn Lines With Water, Preparing to Shut
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS03 AMS03 AMS03 AMS03 AMS03 AMS03 AMS04 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flush Injectorn Lines With Water, Preparing to Shut
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS04 RT05 AMS01 AMS04 RT05 RT05 RT05 RT05 RT05 RT05 RT05 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A           N/A	0.001 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells, Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flush Injectorn Lines With Water, Preparing to Shut
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS03 AMS04 RT05 AMS01 AMS01 AMS04 RT05 AMS01 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS04 AMS05 AMS01 AMS02 AMS05 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.001 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells,Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flushi Injectorn Lines With Water, Preparing to Shut
15:30-15:40	AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS02 AMS04 RT05 AMS01 AMS04 RT05 RT05 RT05 RT05 RT05 RT05 RT05 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A           N/A	0.001 0.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Wells,Daylighting Occurring In Exclusion Zone XDD Got Daylighting Under Control, Flushi Injectorn Lines With Water, Preparing to Shut

Project Name:	Ameren Taylorville	Location:	Taul	orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		/2012	Sampler.	Andrew J. Anderson
riojectivaliber.	030-230	04(0)		12012		
_						
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location	Make BAE Sustame	Benzene	Make MIE		
		Make RAE Systems model: ppbRAEplus	Make <u>PhotoVac</u> Model <u>Voyager</u>	Make <u>MIE</u> Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	Model <u>pDR</u> I.D. <u>5230</u>		
	414004				-	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
7:30 - 7:40	AMS03	0.1	N/A	0.001	0	
7.50 - 7.40	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.002	0	
	AMS02	0.1	N/A	0.001	0	
8:30 - 8:40	AMS03	0.1	N/A	0.007	0	
0.30 - 0.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	
	11100	0.1		0,001		
			<u> </u>			
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
0.20 0.40	AMS03	0.1	N/A	0.001	0	
9:30 - 9:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.008	0	
	1103	5.1	19274	0.000		
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.003	0	
	AMS03	0.1	N/A	0.014	0	
10:30 - 10:40	AMS04	0.1	N/A	0.003	0	XDD Injecting Wells
						ABB Injouring Trains
	RT05	0.1	N/A	0.002	0	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0,1	N/A	0.001	0	
					_	
11:30 - 11:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
12:30 - 13:40	AMS03	0.1	N/A	0.002	0	
	AMS04 RT05	0.1	N/A N/A	0.001	0	XDD Injecting Wells
	RIUS	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
13:30 - 13:40	AMS03	0,1	N/A	0.001	0	
13.30 - 13:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0,1	N/A	0.001	0	
		-				
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
14:30-14:40	AMS03	0.1	N/A N/A	0.001	0	XDD Interview Marine
	AMS04 RT05	0.1	N/A N/A	0.001	0	XDD Injecting Wells
	1100	0.1	02/4	0.001	J	
	1	1	1 -	1		
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
15:30-15:40	AMS03	0.1	N/A	0.001	0	
10.00-10.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0,1	N/A	0.001	0	
	-					
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
16;30-16:40	AMS03	0.1	N/A	0.001	0	XDD Preparing to Shut Down For the Day
	AMS04 RT05	0.1	N/A N/A	0.001	0	
	1(105	0.1	19/74	0.021		1
	†		+			
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A N/A	N/A N/A	
47.00 47 10	AMS02	N/A	N/A	N/A	N/A	1
17:30-17:40	AMS04	N/A	N/A	N/A	N/A	1
	RT05	N/A	N/A	N/A	N/A	1
	KIV3	190	19675	1000		

Decise of Marrie	A	1 P		adla II I	Complex	Andrew 1 A-J
Project Name:	Ameren Taylorville	Location:		prville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		/2012		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene			
Time	Location	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	N/A	N/A	N/A	<u>N/A</u>	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
7:30 - 7:40	AMS04	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
					N/A	
	RT05	N/A	N/A	N/A	N/A	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
	AMS03	N/A	N/A	N/A	N/A	
8:30 - 8:40				N/A		No Activity On Site Due to Weather
	AMS04	N/A	N/A		N/A	No Activity on Site Due to Weather
	RT05	N/A	N/A	N/A	N/A	
	AM/S01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	N/A	
9:30 - 9:40	AMS03	N/A	N/A	N/A	N/A	No Astrono Os Che Ossa a Maria
	AMS04	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
	RT05	N/A	N/A	N/A	N/A	
	AMS01	N/A	N/A	N/A	N/A	
	AMS02	N/A	N/A	N/A	<u>N/A</u>	
10:30 - 10:40	AMS03	N/A	N/A	N/A	N/A	
	AMS04	N/A	N/A	N/A	N/A	No Activity On Site Due to Weather
	RT05	N/A	N/A	N/A	N/A	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.008	0	
14.20 11.10	AMS03	0.1	N/A	0.001	0	
11:30 - 11:40	AMS04	0,1	N/A	0.007	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	
	RTUS	0.1	IN/A	0.001	0	4
	AMS01	0.1	N/A	0.001	0	
	AMS01 AMS02	0.1	N/A N/A	0.001	0	
	AMS02 AMS03	0.1	N/A	0.001	0	
12:30 - 13:40	AMS03	0.1	N/A	0.002	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	,
	AMS01	0.1	N/A	0,022	0	
	AMS02	0.1	N/A	0.018	0	
13:30 - 13:40	AMS03	0.1	N/A	0.021	0	
10.00 - 10.90	AMS04	0.1	N/A	0.020	0	XDD Injecting Wells
	RT05	0.1	N/A	0.019	0	
				0.000		
	AMS01	0.1	N/A N/A	0.020	0	
	AMS02	0.1	N/A N/A	0.028	0	
14:30-14:40	AMS03 AMS04	0.1	N/A N/A	0.029	0	XDD Injecting Wells
	RT05	9.0	N/A N/A	0.028	0	VER Uterning Mens
		3.0	19/0	0.020		
		1		1	<u> </u>	
	AMS01	0.1	N/A	0.008	0	
	AMS02	0.1	N/A	0.009	0	
15:30-15:40	AMS03	0.1	N/A	0.010	0	
10.00-10.40	AMS04	• 0.1	N/A	0.010	0	XDD Injecting Wells
	RT05	15.0	N/A	0.009	0	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
16:30-16:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS04	0.1	N/A N/A	0.001	0	
	RT05	61.0	N/A	0,001	U	
			+			
	AMS01	N/A	N/A	N/A	N/A	
	AMS01 AMS02	N/A	N/A N/A	N/A	N/A N/A	
	AMS02	N/A	N/A	N/A	N/A	
17:30-17:40	AMS04	N/A	N/A	N/A	N/A	
					N/A	
	RT05	N/A	N/A	N/A		

Project Name: Ameren Taylorvil		Location:	Tavle	orville, IL	Sampler:	Andrew J. Anderson	
Project Number:	090-290	Date:		2/2012	oumpler.	Andrew J. Anderson	
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks	
Time	Location	Make BAE Systems	Benzene Make PhotoVac	Make MIE			
		Make <u>RAE Systems</u> model: ppbRAEplus	Make PhotoVac	Make <u>MIE</u> Model <u>pDR</u>			
		I.D. <u>250-103008</u>	Model <u>Voyager</u> I.D. EVKV 350	I.D. 5230			
	AMS01	0.1	N/A	0.001	0	_	
	AMS02	0.1	N/A	0.001	0		
7:30 - 7:40	AMS03	0.1	N/A	0.001	0		
7.30 - 7.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells at 7;45	
	RT05	123.0	N/A	0.001	1	-	
	1(100	123.0	19/6	0.001		-	
						-	
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
	AMS03	0.1	N/A	0.001	0	Injecting Oder Intensity at 1 and VOCs peak at	
8:30 - 8:40	AMS04	0.1	N/A	0.001	0	<ul> <li>Injecting. Odor Intensity at 1 and VOCs peak at ppb at RT5. Concentration decreases at west ed</li> </ul>	
						of road.	
	RT05	64.0	N/A	0.001	1		
	AMS01	0.1	N/A	0,001			
	AMS02	0.1	N/A	0.001	N/A	-	
						-1	
9:30 - 9:40	AMS03	0.1	N/A	0.001	<u>N/A</u>		
	AMS04	0.1	N/A	0.001	N/A	XDD Injecting Wells	
	RT05	12.0	N/A	0.001	N/A		
	i		1	1		-	
	444504	0.1	hun	0.001		<u> </u>	
	AMS01	0.1	N/A	0.001	N/A	_	
	AMS02	0.1	N/A	0.001	N/A		
10:30 - 10:40	AMS03	0.1	N/A	0.001	N/A	XDD Injecting Wells-Daylighting occuring along	
10.00 - 10,40	AMS04	0.1	N/A	0.001	N/A	Webster Streret along the shoulder, XDD contain	
	RT05	193.0	N/A	0.001	N/A	the daylighting.	
	11103	100.0	11/6	0,001		_	
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
	AMS03	0.1	N/A	0.001	0	-	
11:30 - 11:40						XDD Injecting Wells	
	AMS04	0.1	N/A	0.001	0		
	RT05	151.0	N/A	0.001	0		
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
12:30 - 13:40	AMS03	0.1	N/A	0.001	0		
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	99.0	N/A	0.001	0		
	414004	0.1	b1/0	0.001			
	AMS01 AMS02	0.1	N/A	0.001	0		
	AMS02 AMS03	0.1	N/A	0.001	0		
13:30 - 13:40	AMS04	0.1	N/A N/A	0.001	0	XDD Injecting Wells	
	RT05	132.0	N/A N/A	0.001	0	ADD injecting wells	
	11100	102.0	1974	0.001	· · · ·		
	<u> </u>	1		-			
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0	7	
14:20 44:40	AMS03	0.1	N/A	0.001	0	7	
14:30-14:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	111.0	N/A	0.001	0		
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
15:30-15:40	AMS03	0.1	N/A	0.001	0		
10.00-10.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	147.0	N/A	0.001	0		
	AMS01	0.1	N/A	0.001	0		
	AMS02	0,1	N/A	0.001	0	_	
16:30-16:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells	
	AMS04	0.1	N/A	0.001	0	All a lange were	
	RT05	94,0	N/A	0.001	0	_	
	AMS01	N/A	N/A	N/A	N/A	_	
			N/A	N/A	N/A		
	AMS02	N/A				-	
17:30-17:40	AMS03	N/A	N/A	N/A	N/A		
17:30-17:40							

Project Name:	Ameren Taylorville	Location:	Taul	orville, IL	Sampler:	Andrew J. Anderson	
Project Number:	090-290	Date:		6/2012	Somplet.	Falaren 0, Falaelaon	
Project Humber.	030-230	Date.	510				
				<u>├</u>			
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks	
Time	Location		Benzene		_		
Time	LUCAGOIT	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>			
		model: ppbRAEplus	Model Voyager	Model <u>pDR</u>			
		I.D. <u>250-103008</u>	I.D. EVKV 350	I.D. <u>5230</u>			
l	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
	AMS03	0.1	N/A	0.001	0		
7:30 - 7:40	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection	
-						Noo 7 orpaning to blandp hijobbon	
	RT05	0.1	N/A	0.001	0		
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
				1			
8:30 - 8:40	AMS03	0.1	N/A	0,001	0		
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	0.1	N/A	0.001	0		
	AN/024		<b>N</b> 1/A	0.004	<u> </u>		
	AMS01	0.1	N/A	0.001	0		
	AMS02	0,1	N/A	0.001	0		
9:30 - 9:40	AMS03	0.1	N/A	0.001	0		
ə.30 - 9:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	0.1	N/A	0.001	0		
	1,105	0.1	19775	0.001			
				<b>├</b> ───┤			
	AMS01	0.1	N/A	0.001	0		
	AMS02	0,1	N/A	0.001	0		
H				_			
10:30 - 10:40	AMS03	0.1	N/A	0.001	0		
	AMS04	0.1	<u>N/A</u>	0.001	0	XDD Injecting Wells	
	RT05	0.1	N/A	0.001	0		
			<u> </u>				
				0.004			
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
44.00 44.40	AMS03	0.1	N/A	0.001	0		
11:30 - 11:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
				_		, ,	
	RT05	0.1	N/A	0.001	0		
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0		
12:30 - 13:40	AMS03	0.1	N/A	0.001	0		
	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	0.1	N/A	0.001	0		
	A14004	0.4	51/A	0.004	0		
	AMS01	0.1	N/A N/A	0.001	0		
	AMS02 AMS03	0.1	N/A N/A				
13:30 - 13:40		0.1		0.001	0	XOD Injecting Malle	
	AMS04 RT05	0.1	N/A N/A	0.001	0	XDD Injecting Wells	
	100	0.1	NVA .	0.001			
	AMS01	0.1	N/A	0.001	0		
	AMS01 AMS02	0,1	N/A	0.001	0		
	AMS02 AMS03	0.1	N/A	0.001	0		
14:30-14:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	0.1	N/A	0.001	0	nee injecting views	
		<b>v</b> .1		0.001	Ť	1	
	1	1	1	1		1	
	AMS01	0.1	N/A	0,001	0		
	AMS02	0,1	N/A	0.001	0	1	
15.00 45 10	AMS03	0.1	N/A	0.001	0	1	
15:30-15:40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells	
	RT05	0.1	N/A	0.001	0	1	
						1	
						1	
	AMS01	0.1	N/A	0.001	0		
	AMS02	0.1	N/A	0.001	0	1	
10.00 10 10	AMS03	0,1	N/A	0.001	0		
16:30-16:40	AMS04	0,1	N/A	0.001	0	XDD Preparing to Shut Down For the Day	
	RT05	0.1	N/A	0.021	0	1	
			1			1	
	AMS01	N/A	N/A	N/A	N/A	1	
	AMS02	N/A	N/A	N/A	N/A	1	
17.00 /7 /0	AMS03	N/A	N/A	N/A	N/A	1	
17:30-17:40	AMS04	N/A	N/A	N/A	N/A	1	
						•	
	RT05	N/A	N/A	N/A	N/A		

Project Name: Project Number:	Ameren Taylorville	Location:	Tauk	orvilte, IL	Sampler:	Andrew J. Anderson
	090-290	Date:		/2012	Gampier.	And the J. Anderson
Tojeta Humber.	050-250	Date.		2012		
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
Time	Location		Benzene			
TITLE	Lucauon	Make RAE Systems	Make PhotoVac	Make <u>MIE</u>		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. <u>5230</u>		
	AMS01	0.1	N/A	0.001	0	
	AMS02	0,1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
7:30 - 7:40		1		1		XDD Remaring to Startup Injustice
	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
	RT05	0.1	N/A	0.001	0	
	AMS01	0.1	N/A	0.001	0	
	AMS02	0.1	N/A	0.001	0	
8:30 - 8:40	AMS03	0.1	N/A	0.001	0	XDD Injecting Wells
	AMS04	0.1	N/A	0.001	0	
	RT05	0.1	N/A	0.013	0	
		1				
	A4501	6.4	N//A	0.004		
	AMS01	0.1	N/A	0,001	0	
	AMS02	0.1	N/A	0.001	0	
9:30 - 9:40	AMS03	0.1	N/A	0.001	0	
5.50 - 9.40	AMS04	0.1	N/A	0.001	0	XDD Injecting Wells
	RT05	0.1	N/A	0.001	0	, .
	1100	0.1	IN/A	0.001 -	<u> </u>	
	AMS01	0.1	N/A	0.003	0	
	AMS02	0.1	N/A	0.004	0	
	AMS03	0.1	N/A	0.001	ů 0	
10:30 - 10:40						
	AMS04	0.1	N/A	0.005	0	XDD Injecting Wells
	RT05	0.1	N/A	0.004	0	
					_	
	414004					
	AMS01	0.1	N/A	0.009	0	-
	AMS02	0.1	N/A	0.005	0	
11:30 - 11:40	AMS03	0.1	N/A	0.003	0	
11,30 - 11,40	AMS04	0.1	N/A	0.002	0	XDD Injecting Wells
	RT05	0.1	N/A	0.006	0	
		0.1		0.000		
	44004	0.1	N//A	0.000	0	
	AMS01 AMS02	0.1	N/A N/A	0.006	0	
	AMS02 AMS03	0.1	N/A	0.010	0	
12:30 - 13:40	AMS04	0,1	N/A	0.006	0	XDD Injecting Wells
	RT05	0.1	N/A	0.008	0	Nob injoining treas
				0.000	<u> </u>	
	-	1	t —			
	AM\$01	0.1	N/A	0.008	0	
	AMS02	0.1	N/A	0.023	0	
13:30 - 13:40	AMS03	0.1	N/A	0.016	0	
13,30 - 13;40	AMS04	0.1	N/A	0.005	0	XDD Injecting Wells
	RT05	0.1	N/A	0.012	0	·
	AMS01	0.1	N/A	0,003	0	
	AMS02					
		0.1	N/A	0.002	0	
14:30-14:40	AMS03	0.1	N/A	0.010	0	
14:30-14:40	AMS03 AMS04	0.1	N/A N/A	0.010	0	XDD Injecting Wells
14:30-14:40	AMS03	0.1	N/A	0.010	0	XDD Injecting Wells
14:30-14:40	AMS03 AMS04	0.1	N/A N/A	0.010	0	XDD Injecting Wells
14:30-14:40	AMS03 AMS04 RT05	0.1	N/A N/A N/A	0.010 0.003 0.008	0	XDD Injecting Wells
14:30-14:40	AMS03 AMS04 RT05 AMS01	0.1	N/A N/A N/A 	0.010 0.003 0.008 0.004		XDD Injecting Wells
	AMS03 AMS04 RT05 AMS01 AMS02	0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.004		XDD Injecting Wells
14:30-14:40	AMS03 AMS04 RT05 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005		
	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009	0 0 0 0 0 0 0	XDD Injecting Wells
	AMS03 AMS04 RT05 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005		
	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009	0 0 0 0 0 0 0	
	AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS04 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009 0.031	0 0 0 0 0 0 0 0 0	
	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS03 AMS04 RT05 AMS01	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.004 0.005 0.005 0.009 0.031 0.013	0 0 0 0 0 0 0 0 0	
15:30-15:40	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 RT05 AMS01 AMS01 AMS02	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009 0.031 0.013 0.010		XDD Injecting Wells
	AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS04 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009 0.031 0.013 0.010 0.002	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
15:30-15:40	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS03 AMS03 AMS03 AMS03 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.010 0.003 0.008 0.004 0.004 0.003 0.005 0.009 0.031 0.013 0.010 0.010 0.002 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Weils
15:30-15:40	AMS03 AMS04 RT05 AMS01 AMS01 AMS03 AMS03 AMS04 RT05 AMS04 AMS01 AMS02 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009 0.031 0.013 0.010 0.002	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Weils
15:30-15:40	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 AMS01 AMS01 AMS03 AMS03 AMS03 AMS03 AMS03	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.010 0.003 0.008 0.004 0.004 0.003 0.005 0.009 0.031 0.013 0.010 0.010 0.002 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Weils
15:30-15:40	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS02 AMS01 AMS02 AMS03 AMS04 RT05	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.005 0.009 0.031 0.013 0.013 0.013 0.012 0.008		XDD Injecting Weils
15:30-15:40	AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS03 AMS04 RT05 AMS01 AMS03 AMS04 RT05 AMS01	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009 0.031 0.013 0.013 0.010 0.002 0.008 0.004 0.004 N/A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Weils
15:30-15:40 16:30-16:40	AMS03 AMS04 RT05 AMS01 AMS02 AMS03 AMS04 RT05 AMS01 AMS04 RT05 RT05 AMS04 AMS04 AMS01 AMS01 AMS01 AMS01	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A           N/A	0.010 0.003 0.008 0.004 0.004 0.005 0.005 0.009 0.031 0.013 0.013 0.010 0.002 0.008 0.008 0.008 0.008 0.008 0.008	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Weils
15;30-15;40	AMS03 AMS04 RT05 AMS01 AMS01 AMS02 AMS03 AMS03 AMS04 RT05 AMS01 AMS03 AMS04 RT05 AMS01	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	N/A	0.010 0.003 0.008 0.004 0.003 0.005 0.009 0.031 0.013 0.013 0.010 0.002 0.008 0.004 0.004 N/A	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XDD Injecting Weils

Project Name:	Ameren Taylorville	Location	Tavi	orville, IL	Sampler:	Andrew J. Anderson
Project Number:	090-290	Date:		7/2012	Sampler.	Autorew J. Anderson
Project Number.	090-290	Date.		12012		
			<u> </u>			
		PID (ppb)	Portable GC (ppm)	Dust Monitor Mg/m^3	Odor	Remarks
		(10 (000)	Benzene	Buot monitor might o	0001	Kenharka
Time	Location	Make RAE Systems	Make PhotoVac	Make MIE		
		model: ppbRAEplus	Model Voyager	Model pDR		
		I.D. 250-103008	I.D. EVKV 350	I.D. 5230		
	414004					
	AMS01	0.1	N/A	0,001	0	
	AMS02	0.1	N/A	0.001	0	
	AMS03	0.1	N/A	0.001	0	
7:30 - 7:40	AMS04	0.1	N/A	0.001	0	XDD Perparing to Startup Injection
						Kob i elpaning to startup injection
	RT05	0.1	N/A	0,001	0	
	414501	0.1	NUA.	0.000	0	
	AMS01		N/A	0.009		
	AMS02	0.1	N/A	0.013	0	
0.00 0.40	AMS03	0.1	N/A	0.011	0	
8:30 - 8:40	AMS04	0.1	N/A	0.011	0	XDD Injecting Wells
						nee injecting meno
	RT05	0,1	N/A	0.012	0	
	AM4901	0.1	N//A	0.000	0	
	AMS01	0.1	N/A	0.009		
	AMS02	0.1	N/A	0.007	0	
0.20 0.10	AMS03	0.1	N/A	0.024	0	
9:30 - 9:40	AMS04	0.1	N/A	0.013	0	XDD Injecting Wells
						All of the only of the second se
	RT05	0.1	N/A	0.031	0	
	444004	0.1	h!/A	0.010		
	AMS01	0.1	N/A_	0.016	0	
	AMS02	0.1	N/A	0.012	0	
	AMS03	0.1	N/A	0.008	0	
10:30 - 10:40	AMS04	0.1	N/A	0.013	0	XDD Injecting Wells
						ALL INJUGING FROM
	RT05	0.1	N/A	0.011	0	
					-	
	AMS01	0.1	N/A	0.010	0	-
	AMS02	0.1	N/A	0.009	0	
	AMS03	0.1	N/A	0.016	0	
11:30 - 11:40		<u> </u>				XDD Injecting Wells
	AMS04	0.1	N/A	0.010	0	ADD Injecting Wens
	RT05	0.1	N/A	0.011	0	
					<u> </u>	
	AMS01	0.1	N/A	0.012	0	
	AMS02	0.1	N/A	0.012	0	
	AMS02	0.1	N/A	0.034	0	
12:30 - 13:40	AMS03	0.1	N/A	0.009	0	XDD Injecting Wells
	RT05	0.1	N/A N/A	0.009	0	ADD injecting Wells
		0.1	IN/A	0.012	v	
	-					
	AN4004	0.1	N1/A	0.000	0	
	AMS01		N/A	0.020		
	AMS02	0.1	N/A	0.014	0	
13:30 - 13:40	AMS03	0.1	N/A	0.010	0	Questions at 1 1 1 1
	AMS04	0.1	N/A	0.011	0	XDD Injecting Wells
	RT05	0.1	N/A	0.024	0	
			-			
	AMS01	0.1	N/A	0.019	0	
	AMS02	0.1	N/A	0.017	0	
14:30-14:40	AMS03	0.1	N/A	0.012	0	
	AMS04	0.1	N/A	0.011	0	XDD Injecting Wells
	RT05	0.1	N/A	0.008	0	
	AMS01	0.1	N/A	0.003	0	
	AMS02	0.1	N/A	0,012	0	
45.00 45.10	AMS03	0.1	N/A	0.009	0	
15:30-15:40	AMS04	0.1	N/A	0.009	0	XDD Injecting Wells
	RT05	0.1	N/A	0.027	0	
				0.041		
	AMS01	0.1	N/A	0.013	0	
	AMS01 AMS02			0.013		
		0.1	N/A		0	
	AMS03	0.1	N/A	0.014	0	XDD Preparing to Shut Down For the Day
16:30-16:40	AMS04	0.1	N/A	0.016	0	
16:30-16:40		0.1	N/A	0.012	0	
16:30-16:40	RT05	1				
16:30-16:40	RT05					
16:30-16:40						
16:30-16:40	AMS01	N/A	N/A	N/A	N/A	
16:30-16:40	AMS01 AMS02	N/A	N/A	N/A	N/A	
	AMS01 AMS02 AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
16:30-16:40	AMS01 AMS02 AMS03 AMS04	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	
	AMS01 AMS02 AMS03	N/A N/A	N/A N/A	N/A N/A	N/A N/A	



APPENDIX B

TIME-INTEGRATED FIELD DATA

	TIME-INTEGRATED SAMPLE FIELD FORM TAYLORVILLE MGP SITE									
Start Date	8/19/201	10 Samp	lers Initials	AJA	End Date	8/22/2	2010 Samplers	Inititals	AJA	
Ambient Temperature (F)     Barometric Pressure (mm Hg)										
Weather Co	Weather Comments									
TO-15A Sample ID AMS01 TO15 081910										
Canister Serial #: 34484					Regulator#: 7272788					
		Start						End		
Time		8:54			Time		9:0	01		
Initial Gauge	e Pressure (ir	ı. Hg)	-30		Final Gauge	e Pressu	ure (in. Hg)		-4	
TO-15A	Samp	le ID			AMS02 T	O15 08	1910			
Canister Sei	rial #:		11029		Regulator#:	: [	7	314748		
Time		<u>Start</u> 8:57			Time		0.	<u>End</u> 03		
Time		0.07			Time		9.	03		
Initial Gauge	e Pressure (ir	n. Hg)	-30		Final Gauge	e Pressu	ure (in. Hg)		-7	

		PASSIVE TUBE SAMPLE FIELD FORM TAYLORVILLE MGP SITE				
Start Date	8/19/2010	Samplers Initials AJA End Date 8/22/2010 Samplers Initi	tals AJA			
Ambient Ter	mperature (F)	Barometric Pressure (mm Hg)				
Passive	Sample ID	AMS01 RAD 081910				
	Tube ID	HT475	-			
		Start	End			
		Time 8:54 Time	9:01			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	Passive Sample ID AMS01 RAD 081910 D					
	Tube ID	HT476				
		Start	End			
		Time 8:54 Time	9:01			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	Sample ID	AMS02 RAD 081910				
rassive						
	Tube ID	HT477 Start	End			
		Time 8:57 Time	9:03			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)	[			
Passive	Sample ID	AMS03 RAD 081910				
	Tube ID	HT478				
		Start	End			
		Time 9:00 Time	9:05			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	Sample ID	AMS04 RAD 081910				
	Tube ID	НТ479				
		Start	End			
		Time 9:03 Time	9:06			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
1						

	TIME-INTEGRATED SAMPLE FIELD FORM TAYLORVILLE MGP SITE									
Start Date	8/25/201	10 Sample	ers Initials	AJA	End Date	8/28/2	2010 Sam	plers Ini	titals [	AJA
Ambient Temperature (F) Barometric Pressure (mm Hg)										
Weather Cor	mments									
TO-15A	Samp	le ID			AMS01 T	O15 082	2510			
Canister Ser	rial #:	;	33540		Regulator#:	[		722	9310	
1		Start							End	
Time		7:01			Time			6:56		
Initial Gauge	e Pressure (in	n. Hg)	-30		Final Gauge	e Pressu	ıre (in. Hg)			-1
TO-15A	Samp	le ID			AMS02 T	O15 082	2510			
Canister Sei	rial #:	Start	2333		Regulator#:	. [		7233	35925 End	
Time		5tan 7:04			Time			6:59	Enu	
Initial Gauge	e Pressure (ir	n. Hg) [	-30		Final Gauge	e Pressu	ure (in. Hg)			-8

		PASSIVE TUBE SAMPLE FIELD FORM TAYLORVILLE MGP SITE				
Start Date	8/25/2010	Samplers Initials AJA End Date 9/1/2010 Samplers Initi	tals AJA			
Ambient Ter	mperature (F)	Barometric Pressure (mm Hg)				
Passive	Sample ID	AMS01 RAD 082510				
	Tube ID	HT480				
		Start	End			
		Time 7:01 Time	7:07			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	ve Sample ID AMS01 RAD 082510 D					
	Tube ID	HT607				
		Start	End			
		Time 7:01 Time	7:07			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	Sample ID	AMS02 RAD 082510				
	Tube ID	HT481				
	Tube Ib	Start	End			
		Time 7:04 Time	7:09			
		Temperature Reading (F) Temperature Reading (F)				
		Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	Sample ID	AMS03 RAD 082510				
	oumpie ib	ANI303 RAD 002310				
	Tube ID	HT482	<b>F</b> _+4			
		HT482 Start	End			
		HT482 Start Time 7:06 Time	End 7:10			
		HT482 Start				
		HT482 Start Time 7:06 Time				
Passive		HT482 Start Time 7:06 Time Temperature Reading (F)				
Passive	Tube ID	HT482 Start Time 7:06 Time Temperature Reading (F) Barometric Pressure (Hg) Barometric Pressure (Hg)				
Passive	Tube ID Sample ID	HT482 Start Time 7:06 Time Temperature Reading (F) Barometric Pressure (Hg) AMS04 RAD 082510				
Passive	Tube ID Sample ID	HT482 Start Time 7:06 Time Temperature Reading (F) Barometric Pressure (Hg) AMS04 RAD 082510 HT483	7:10			
Passive	Tube ID Sample ID	HT482         Start         Time       7:06         Temperature Reading (F)       Temperature Reading (F)         Barometric Pressure (Hg)       Barometric Pressure (Hg)         AMS04 RAD 082510         HT483	End 7:10			

TIME-INTEGRATED SAMPLE FIELD FORM TAYLORVILLE MGP SITE								
Start Date	8/28/2010 Samplers Initials	AJA End Date 8	3/31/2010 Samplers Initit	tals AJA				
Ambient Temperature (F) Barometric Pressure (mm Hg)								
Weather Cor	mments							
TO-15A	Sample ID	AMS01 TO1	5 082810					
Canister Ser	rial #:	Regulator#:	7229	310				
	Start			End				
Time	6:56	Time	7:04					
Initial Gauge	e Pressure (in. Hg) -30	Final Gauge Pr	ressure (in. Hg)	-1				
TO-15A	Sample ID	AMS02 TO1	5 082810					
Canister Ser	rial #: 33330 Start	Regulator#:	7233	5925				
Time	6:59	Time	7:05					
Initial Gauge	e Pressure (in. Hg) -30	Final Gauge Pi	ressure (in. Hg)	-2				

9/1/2010	Samplers Initials	AJA	End Date	9/3/2010 Samplers Initi	tals AJA		
perature (F)			Barometric	Pressure (mm Hg)			
Sample ID			AMS01 F	AD 090110			
Tube ID	EO608						
			Start		End		
		Time	7:07	Time	9:30		
	Temperature Rea	ding (F)		Temperature Reading (F)			
	Barometric Press	ure (Hg)		Barometric Pressure (Hg)			
Sample ID	AMS01 RAD 090110 D						
Tube ID							
			Start		End		
		Time	7:07	Time	9:30		
	Temperature Rea	iding (F)		Temperature Reading (F)			
	Barometric Press	ure (Hg)		Barometric Pressure (Hg)			
Sample ID			AMS02 F	RAD 090110			
Tube ID			F	0610			
,			Start		End		
		Time	7:09	] Time	9:32		
	Temperature Rea	ading (F)		Temperature Reading (F)			
	Barometric Press	ure (Hg)		Barometric Pressure (Hg)			
Samole ID	Barometric Press	ure (Hg)	AMS03				
Sample ID	Barometric Press	ure (Hg)		RAD 090110			
Sample ID Tube ID	Barometric Press	ure (Hg)			End		
	Barometric Press	ure (Hg)	E	RAD 090110	End 9:35		
	Barometric Press	Time	E Start	CAD 090110			
		Time	E Start	RAD 090110           O611           Time			
Tube ID	Temperature Rea	Time	E Start 7:10	RAD 090110 O611 Time Temperature Reading (F) Barometric Pressure (Hg)			
Tube ID Sample ID	Temperature Rea	Time	E Start 7:10 AMS04	RAD 090110 0611 Time Temperature Reading (F) Barometric Pressure (Hg) RAD 090110			
Tube ID	Temperature Rea	Time	E Start 7:10 AMS04	RAD 090110 O611 Time Temperature Reading (F) Barometric Pressure (Hg)			
Tube ID Sample ID	Temperature Rea	Time	E Start 7:10 AMS04	RAD 090110 0611 Time Temperature Reading (F) Barometric Pressure (Hg) RAD 090110	9:35		
Tube ID Sample ID	Temperature Rea	Time	E Start 7:10 AMS04 E Start	RAD 090110 0611 Time Temperature Reading (F) Barometric Pressure (Hg) RAD 090110 0612	9:35		
	berature (F) Sample ID Tube ID Sample ID Tube ID	9/1/2010       Samplers Initials         perature (F)	9/1/2010       Samplers Initials       AJA         9/1/2010       Samplers Initials       AJA         berature (F)	9/1/2010       Samplers Initials       AJA       End Date         9/1/2010       Samplers Initials       AJA       End Date         berature (F)       Barometric         Sample ID       AMS01 F         Tube ID       Ed         Tube ID       Ed         Start       Time         7:07       Temperature Reading (F)         Barometric Pressure (Hg)       Ed         Sample ID       AMS01 R         Tube ID       Ed         Sample ID       AMS01 R         Tube ID       Ed         Sample ID       AMS01 R         Tube ID       Ed         Sample ID       AMS01 R         Time       7:07         Temperature Reading (F)       Ed         Start       Ed         Sample ID       AMS02 F         Sample ID       AMS02 F         Tube ID       E         Start       Time         Tube ID       E         Start       Time         Time       7:09	perature (F) Barometric Pressure (mm Hg) Sample ID AMS01 RAD 090110 Tube ID E0608 Start Time 7:07 Time Temperature Reading (F) Temperature Reading (F) Barometric Pressure (Hg) Barometric Pressure (Hg) Sample ID AMS01 RAD 090110 D Tube ID E0609 Start Time 7:07 Time Temperature Reading (F) Temperature Reading (F) Barometric Pressure (Hg) Barometric Pressure (Hg) Sample ID AMS01 RAD 090110 D Tube ID E0609 Start Time 7:07 Time Temperature Reading (F) Temperature Reading (F) Barometric Pressure (Hg) Barometric Pressure (Hg) Sample ID AMS02 RAD 090110 Tube ID E0610 Start Time 7:09 Time		

		PASSIVE TUBE SAMPLE FIELD FORM TAYLORVILLE MGP SITE	
Start Date	9/3/2010	Samplers Initials AJA End Date 9/7/2010 Samplers Initit	als AJA
Ambient Ter	nperature (F)	Barometric Pressure (mm Hg)	
Passive	Sample ID	AMS01 RAD 090310	
	Tube ID	E0613	
		Start	End
		Time Time	7:15
		Temperature Reading (F) Temperature Reading (F)	
		Barometric Pressure (Hg) Barometric Pressure (Hg)	
Passive	Sample ID	AMS01 RAD 090310 D	
	Tube ID	E0614	
		Start	End
		Time 9:30 Time	7:15
		Temperature Reading (F) Temperature Reading (F)	
		Barometric Pressure (Hg) Barometric Pressure (Hg)	
Passive	Sample ID	AMS02 RAD 090310	
	Tube ID	EQ615	
		Start	End
		Time 9:32 Time	7:17
		Temperature Reading (F) Temperature Reading (F)	
		Barometric Pressure (Hg) Barometric Pressure (Hg)	
Passive	Sample ID	AMS03 RAD 090310	
	Tube ID	E0616	End
		Start	End
		Time <u>9:35</u> Time	7:19
		Temperature Reading (F) Temperature Reading (F)	
		Barometric Pressure (Hg) Barometric Pressure (Hg)	
Passive	Sample ID	AMS04 RAD 090310	
	Tube ID	E0617	
		Start	End
		Time 9:36 Time	7:21
		Temperature Reading (F) Temperature Reading (F)	
		Barometric Pressure (Hg) Barometric Pressure (Hg)	
1			

		PASSIVE TUE TAYLO		MPLE FIEL		
Start Date	11/10/2010	Samplers Initials	DSS	End Date	11/18/2010 Samplers Initi	tals DSS
Ambient Terr	perature (F)	46		Barometric I	Pressure (mm Hg)	30.09
Passive	Sample ID			AMS01 R	RAD 111010	
	Tube ID				1727	
			_	Start	_	End
		Tir	ne	8:12	Time	9:45
		Temperature Reading	(F)	46.00	Temperature Reading (F)	40.00
		Barometric Pressure (	Hg)	30.09	Barometric Pressure (Hg)	30.35
Passive	Sample ID			AMS01 R/	AD 111010 D	
	Tube ID				1728	
			_	Start	_	End
		Ti	me 🗌	8:12	Time	9:45
		Temperature Reading	(F)	46.00	Temperature Reading (F)	40.00
		Barometric Pressure (	Hg)	30.09	Barometric Pressure (Hg)	30.35
Passive	Sampie ID			AMS02 F	RAD 111010	
	Tube ID				1729	
				Start	_	End
		Ti	me	8:19	Time	9:45
		Temperature Reading	(F)	46.00	Temperature Reading (F)	40.00
		Barometric Pressure (	Hg)	30.09	Barometric Pressure (Hg)	30.35
Passive	Sample ID			AMS03	RAD 111010	
	Tube ID				H730	
		_	_	Start		End
			me 🗌	8:22	Time	
		Temperature Reading		46.00	Temperature Reading (F)	40.00
		Barometric Pressure	Hg)	30.09	Barometric Pressure (Hg)	30.35
Passive	Sample ID			AMS04	RAD 111010	
	Tube ID				H731	
]			_	Start	_	End
		Т	ime 🗌	8:24	Time	9:45
		Temperature Reading	) (F)	46.00	Temperature Reading (F)	40.00
		Barometric Pressure	(Hg)	30.09	Barometric Pressure (Hg)	30.35

	TIM					FORM		
11/16/20	)10 Sam	olers Initials	DSS	End Date	11/18	/2010 Samplers	s Inititals DSS	
nperature (F)	)			Barometric	Pressur	e (mm Hg)		
mments								
Samp	ole ID		_	AMS01 1	<b>F</b> O15 11	1610		
Canister Serial #: 3464				Regulator#:		40570		
	Start						End	
	10:3	0		Time		9:45		
e Pressure (ir	n. Hg)	-29		Final Gaug	je Pressi	ure (in. Hg)	-2	
						_		
					I			
	nperature (F) mments Samp ial #:	11/16/2010 Samp nperature (F) nments Sample ID ial #: Start	TAYLO	TAYLORVILL         11/16/2010       Samplers Initials       DSS         nperature (F)	TAYLORVILLE MGP SI         11/16/2010       Samplers Initials       DSS       End Date         nperature (F)       Barometric         nments	TAYLORVILLE MGP SITE         11/16/2010       Samplers Initials       DSS       End Date       11/18/         nperature (F)       Barometric Pressur         nments	11/16/2010       Samplers Initials       DSS       End Date       11/18/2010       Samplers         nperature (F)       Barometric Pressure (mm Hg)         nments	

	TIME-INTEGRATED SAMPLE FIELD FORM TAYLORVILLE MGP SITE										
Start Date 9/7/	2010 Samplers Initials AJ	A End Date 9/	10/2010 Samplers Inititals AJA								
Ambient Temperature	+ (F)	Barometric Pres	sure (mm Hg)								
Weather Comments											
<b>TO-15A</b> Sa	ample ID	AMS01 TO15	090710								
Canister Serial #:	34323	Regulator#:	7310582								
	Start		End								
Time	7:15	Time	7:12								
Initial Gauge Pressur	e (in. Hg) -30	Final Gauge Pre	essure (in. Hg)								
<b>TO-15A</b> S	ample ID	AMS02 TO15	090710								
Canister Serial #:	4346	Regulator#:	7235925								
Time	Start7:17	Time	<u>End</u> 7:13								
Initial Gauge Pressur	e (in. Hg) -30	Final Gauge Pre	essure (in. Hg) -1								

	PASSIVE TUBE SAMPLE FIELD FORM TAYLORVILLE MGP SITE										
Start Date	9/7/2010	Samplers Initials AJA End Date 9/11/2010 Samplers Initia	als AJA								
Ambient Ter	mperature (F)	Barometric Pressure (mm Hg)									
Passive	Sample ID	AMS01 RAD 090710									
	Tube ID	E0618 Start	 End								
		Time 7:15 Time	11:30								
		Temperature Reading (F)									
		Barometric Pressure (Hg) Barometric Pressure (Hg)									
Passive	Sample ID	AMS01 RAD 090710 D									
	Tube ID	E0619 Start	End								
		Time 7:15 Time	11:30								
		Temperature Reading (F)									
		Barometric Pressure (Hg) Barometric Pressure (Hg)									
Passive	Sample ID	AMS02 RAD 090710									
	Tube ID	E0620	End								
		Time 7:17 Time	11:31								
		Temperature Reading (F) Temperature Reading (F)									
		Barometric Pressure (Hg) Barometric Pressure (Hg)									
Passive	Sample ID	AMS03 RAD 090710									
	Tube ID	E0621 Start	End								
		Time 7:19 Time	11:32								
		Temperature Reading (F)									
		Barometric Pressure (Hg) Barometric Pressure (Hg)									
Passive	Sample ID	AMS04 RAD 090710									
	Tube ID	E0622									
		Start	End								
		Time 7:21 Time	11:33								
		Temperature Reading (F) Temperature Reading (F)									
		Barometric Pressure (Hg) Barometric Pressure (Hg)									

				MPLE FIEL							
Start Date	11/10/2010	Samplers Initials	DSS	End Date	11/18/2010 Samplers Initi	tals DSS					
Ambient Ter	nperature (F)	46		Barometric F	Pressure (mm Hg)	30.09					
Passive	Sample ID			AMS01 R	AD 111010						
	Tube ID				727						
				Start		End					
			Time	8:12	Time	9:45					
		Temperature Read	ling (F)	46.00	Temperature Reading (F)	40.00					
		Barometric Pressu	re (Hg)	30.09	Barometric Pressure (Hg)	30.35					
Passive	Sample ID			AMS01 RA	AD 111010 D						
	Tube ID		IH728								
				Start		End					
			Time	8:12	] Time	9:45					
		Temperature Read	ding (F)	46.00	Temperature Reading (F)	40.00					
		Barometric Pressu	ire (Hg)	30.09	Barometric Pressure (Hg)	30.35					
Passive	Sample ID			AMS02 R	AD 111010						
	Tube ID		IH729								
	12015			Start		End					
			Time 🗌	8:19	] Time	9:45					
		Temperature Read	ding (F)	46.00	Temperature Reading (F)	40.00					
		Barometric Pressu	ıre (Hg)	30.09	Barometric Pressure (Hg)	30.35					
Passive	Sample ID			AMS03 F	AD 111010	_					
	Tube ID				1720						
	Tube ID			Start	1730	End					
			Time	8:22	] Time	9:45					
		Temperature Read	ding (F)	46.00	Temperature Reading (F)	40.00					
		Barometric Pressu	ure (Hg)	30.09	Barometric Pressure (Hg)	30.35					
Passive	Sample ID				AD 111010						
1. 133146		L									
	Tube ID	L		Start	1731	End					
			Time	8:24	Time	9:45					
		Temperature Rea		46.00	Temperature Reading (F)	40.00					
		Barometric Pressi		30.09	Barometric Pressure (Hg)	30.35					
		Salomothe 16991		50.03							

		ТІМІ	E-INTEGRA TAYLC		MPLE FI		ORM	
Start Date	11/16/20	)10 Samp	olers Initials	DSS	End Date	11/18/	2010 Samplers I	Inititals DSS
Ambient Ten	mperature (F)				Barometric	Pressure	e (mm Hg)	
Weather Cor	mments							
TO-15A	Samp	ole ID			AMS01 T	015 11	1610	
Canister Serial #: 3464				Regulator#:		40570		
		Start						End
Time		10:30	)		Time		9:4	15
Initial Gauge	e Pressure (ir	n. Hg)	-29		Final Gaug	e Pressu	ire (in. Hg)	-2
						ſ		
								[
			L					L

		TIME	-INTEGRAT TAYLOI		AMPLE FI E MGP SI		FORM			
Start Date	3/16/201	1 Sampl	ers Initials	DS	End Date	3/19/	/2011 Samp	lers Initif	tals	DS
Ambient Ten	nperature (F)	AVG	53.12		Barometric	Pressur	re (mm Hg)	AVG		29.67
Weather Cor	mments									
TO-15A	Samp	le ID			AMS01	F015 03	1611			
Canister Ser	ial #:		12718		Regulator#	•		400		
Time		Start2:05			Time			3:05	End	
Initial Gauge	ial Gauge Pressure (in. Hg) -29				Final Gaug	e Press	essure (in. Hg) -1			-1
TO-15A	TO-15A Sample ID					AMS02 T015 031611				
Canister Ser	anister Serial #: 5785			Regulator#: 40563						
Time		Start 2:05			Time			3:05	End	
	Pressure (in	. Hg)	-29			e Press	ssure (in. Hg) -6			-6
TO-15A	Samp	le ID			AMS03 T015 031611					
Canister Sei	rial #:		34403					404	00	
Time		Start 2:05			Time	[		3:05	End	
	e Pressure (in		-29		-	e Press	ure (in. Hg)	[		-9
TO-15A	Samp	le ID			AMS04	T015 03	31611			
Canister Se	Canister Serial #: 5608			Regulator#: 40532						
<b></b> .		Start			- <b>-</b>		End			
Time	L	2:05			Time	L		3:05 Г		
Initial Gauge	e Pressure (ir	n. Hg)	-29		Final Gaug	je Press	sure (in. Hg)			-1

				MPLE FIEL				
Start Date	3/16/2011	Samplers Initials	DS	End Date	3/19/2011 Samplers Initit	als DS		
Ambient Te	mperature (F) AVG	53.12		Barometric	Pressure (mm Hg) AVG	29.67		
Passive	Sample ID		PAS 031611					
	Tube ID							
			<b>-</b>	Start	r	End		
			Time	2:05		3:05		
		Temperature Rea	ding (F)	63.80	] Temperature Reading (F)	56.00		
		Barometric Pressu	ure (Hg)	29.56	Barometric Pressure (Hg)	29.78		
Passive	Sample ID			AMS02 F	PAS 031611			
	Tube ID				2359			
				Start		End		
			Time	2:05		3:05		
		Temperature Rea	ding (F)	63.80	Temperature Reading (F)	56.00		
		Barometric Press	ure (Hg)	29.56	Barometric Pressure (Hg)	29.78		
Passive	Sample ID			AMS03	PAS 031611			
	Tube ID		IQ360					
				Start		End		
			Time	2:05	Time	3:05		
		Temperature Rea	iding (F)	63.80	Temperature Reading (F)	56.00		
		Barometric Press	ure (Hg)	29.56	Barometric Pressure (Hg)	29.78		
Passive	Sample ID			AMS04	PAS 031611			
	Tube ID				Q361			
			_	Start		End		
			Time	2:05	Time	3:05		
		Temperature Rea	ading (F)	63,80	Temperature Reading (F)	56.00		
		Barometric Press	ure (Hg)	29.56	Barometric Pressure (Hg)	29.78		
Passive	Sample ID							
	Tube ID							
				Start		End		
			Time		Time			
		Temperature Rea	ading (F)		Temperature Reading (F)			

				MPLE FIEL E MGP SI									
Start Date	3/19/2011	Samplers Initials	DS	End Date	3/23/2011 Samplers Initi	tals DS							
Ambient Ter	mperature (F) AVG	61.76	]	Barometric I	Pressure (mm Hg) AVG	29.35							
Passive	Sample ID		AMS01 PAS 031911										
	Tube ID			IC									
				Start		End							
			Time	3:15	Time	13:51							
		Temperature Rea	ading (F)	56.50	Temperature Reading (F)	72.40							
		Barometric Press	ure (Hg)	29.77	Barometric Pressure (Hg)	28.96							
Passive	Sample ID			AMS02 F	PAS 031911								
	Tube ID		IQ363										
				Start		End							
			Time	3:15	Time	12:43							
		Temperature Rea	ading (F)	56.50	Temperature Reading (F)	72.40							
		Barometric Press	ure (Hg)	29.77	Barometric Pressure (Hg)	28.96							
Passive	Sample ID			AMS03 F	PAS 031911								
	Tube ID				2364								
				Start	_	End							
			Time	3:15	Time	13:55							
		Temperature Rea	ading (F)	56.50	Temperature Reading (F)	72.40							
		Barometric Press	sure (Hg)	29.77	Barometric Pressure (Hg)	28.96							
Passive	Sample ID			AMS04 F	PAS 031911								
	Tube ID				2365								
				Start	_	End							
			Time	3:15	Time	13:57							
		Temperature Rea	ading (F)	56.50	Temperature Reading (F)	72.40							
		Barometric Press	sure (Hg)	29.77	Barometric Pressure (Hg)	28.96							
Passive	Sample ID												
	Tube ID			Start		End							
			Time		Time								
		Temperature Re			Temperature Reading (F)								
					_	L							
		Barometric Press	sure (Hg)		Barometric Pressure (Hg)								

	_	TIME	-INTEGRA TAYLO		AMPLE FI E MGP SI		ORM			
Start Date	3/21/201	11 Samp	lers Initials	DS	End Date	3/23/	2011 Samp	lers Initital	s DS	
Ambient Ter	mperature (F)	AVG	61.76		Barometric	Pressur	e (mm Hg)	AVG	29.35	
Weather Co	mments									
TO-15A	Samp	le ID			AMS01	T015 03	2111			
Canister Se	rial #:		34031		Regulator#	:		40188		
Time	Start 8:00				Time			E	nd	
	e Pressure (in	. Hg)	-29		Final Gaug	e Press	ure (in. Hg)			
TO-15A	Samp	le ID		-	AMS02 T015 032111					
Canister Se	Canister Serial #: 35154			Regulator#: 40257						
Time		Start 8:00			Time					
Initial Gauge	e Pressure (in	. Hg)	-29		Final Gauge Pressure (in. Hg)					
TO-15A	Samp	le ID			AMS03 T015 032111					
Canister Se	rial #:		35981					40340	)	
		Start		—				E	ind	
Time		8:00			Time					
Initial Gauge	e Pressure (ir	n. Hg)	-29		Final Gaug	e Press	ure (in. Hg)			
TO-15A	Samp	ole ID			AMS04	T015 03	2111		_	
Canister Se	rial #:		35978		Regulator#	<u>.</u>		40489	)	
	Start				End				nd	
Time		8:00			Time					
Initial Gauge	e Pressure (ir	n. Hg)	-29		Final Gaug	je Press	ure (in. Hg)			

	PASSIVE TUBE SAMPLE FIELD FORM TAYLORVILLE MGP SITE											
Start Date	9/27/2011	Samplers Initials	AJA	End Date	10/3/2011 Samplers Initi	tals AJA						
Ambient Ter	mperature (F) AVG			Barometric F	Pressure (mm Hg) AVG							
	0											
Ultra III	Sample ID			Start	ra III 092711	End						
			Time	14:30	Time	7:00						
		Temperature Rea	ding (F)	62.00	Temperature Reading (F)	47.00						
		·										
		Barometric Press	ure (Hg)	29.25	Barometric Pressure (Hg)	29.66						
Ultra III	Sample ID			AMS01 Ultr	a III 092711 D							
	2			Start		End						
			Time	14:30	] Time	7:00						
		Temperature Rea	ding (F)	62.00	Temperature Reading (F)	47.00						
		Barometric Press		29.25	Barometric Pressure (Hg)	29.66						
		Darometric riess		29.25		23.00						
Ultra III	Sample ID			AMS02 UI	tra III 092711							
				Start		End						
			Time	14:30	] Time	7:00						
		Temperature Rea	iding (F)	62.00	Temperature Reading (F)	47.00						
		Barometric Press	ure (Ha)	29.25	Barometric Pressure (Hg)	29.66						
		Darometrio Prese		20.20		20.00						
Ultra III	Sample ID			AMS03 UI	tra III 092711							
				Start		End						
			Time 🗌	14:30	Time	7:00						
		Temperature Rea	ading (F)	62.00	Temperature Reading (F)	47.00						
		Barometric Press	ure (Ha)	29.25	Barometric Pressure (Hg)	29.66						
	_			LUILU								
Ultra III	Sample ID			AMS04 U	tra III 092711							
				Start		End						
			Time	14:30	] Time	7:00						
		Temperature Rea	ading (F)	62.00	Temperature Reading (F)	47.00						
		Barometric Press	sure (Ha)	29.25	Barometric Pressure (Hg)	29.66						
1		2										

		TIM			SAMPLE FI		FORM		
Start Date	10/3/201	1 Sam	plers Initials	AJA	End Date	10/6/	/2011 Samplers I	nititals	AJA
Ambient Ten	mperature (F)	AVG			Barometric	Pressu	re (mm Hg) AVG	;	
Weather Cor	mments								
TO-15A	Sample	e ID			AMS01 T	r015 10	10311		
Canister Ser	rial #:		5665		Regulator#:	:		40488	
Time		Start 7:00	)		Time		8:0	End 0	-
	Pressure (in.		-30			e Press	sure (in. Hg)		-1
TO-15A	Sampl	e ID			AMS01 T0	)15 010	0311 D		
Canister Sei	rial #:		5614		Regulator#	1		40623	
Time		Start 7:00	) )		Time		8:0	End	
	e Pressure (in.	Hg)	-30		Final Gauge	e Press	sure (in. Hg)		-2
TO-15A	Sampl	e ID			AMS02	T015 10	00311		
Canister Se	rial #:	Start	403					40109 End	
Time		5tart 7:00	0		Time		8:0		
Initial Gauge	e Pressure (in	Hg)	-30		Final Gaug	e Press	sure (in. Hg)		-2
TO-15A	Samp	le ID			AMS03	T015 10	00311		
Canister Se	eriał #:		35241		Regulator#	t;		40209	
		Start			<b></b> .		 	End	
Time	L	7:0			Time		8:0		
Initial Gauge	e Pressure (in	. Hg)	-30		Final Gaug	je Press	sure (in. Hg)		-1

		TIME			AMPLE FIE E MGP SIT		ORM		
Start Date	2/27/201	12 Sampl	ers Initials	AJA	End Date	3/1/1	2 Samplers Ir	nititals	AJA
Ambient Ter	nperature (F)	AVG			Barometric P	ressure	(mm Hg) AVG		
Weather Co	mments								
TO-15A	Samp	le ID			AMS01 TC	)15 0227	712		
Canister Sei	rial #:		34226		Regulator#:		4	0032	
Time		Start 13:00			Time		13:0	End 0	
Initial Gauge	e Pressure (in	. Hg)	-30		Final Gauge	Pressur	e (in. Hg)		-1
TO-15A	Samp	le ID			AMS02 TO	015 022	712		
Canister Se	rial #:		34275				4	0593	
		Start						End	
Time		13:00			Time		13:0	00	
Initial Gauge	e Pressure (ir	n. Hg)	-30		Final Gauge	Pressu	re (in. Hg)		-1
TO-15A	Samp	ole ID			AMS03 T	015 022	712		
Canister Se	rial #:		35981		Regulator#:		4	0438	
	<b></b>	Start						End	
Time		13:00			Time		13:0	00	
Initial Gauge			-30		Final Gauge	D	··· ('·· 11.)		-1

		PASSIVE TUBE S TAYLORV	SAMPLE FIEL		
Start Date	2/27/2012	Samplers Initials AJ/	End Date	3/5/2012 Samplers Initi	tals AJA
Ambient Te	emperature (F) AVG		Barometric P	Pressure (mm Hg) AVG	
Ultra III	Sample ID		AMS01 Ultr	ra III 022712	
			Start		End
		Time	13:00	Time	7:00
1		Temperature Reading (F)		Temperature Reading (F)	
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	
Ultra III	Sample ID		AMS02 Ulti Start	ra III 022712	End
ļ			otart	_	Lind
		Time	13:00	] Time	7:00
		Temperature Reading (F)		Temperature Reading (F)	[
			·		
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	
Ultra III	Sample ID		AMS03 Ult	ra III 022712	
			Start		End
		Time	13:00	Time	7:00
		Temperature Reading (F)		Temperature Reading (F)	
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	
			·		
Ultra III	Sample ID			tra III 022712	
	Gample ID		Start		End
		<del></del> .	10.55	1 -	
		Time	13:00	] Time	7:00
		Temperature Reading (F)		Temperature Reading (F)	
		Poromotrio Drosouro (U-)			
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	

		PASSIVE TUBE	SAMPLE FIEL		
Start Date	3/5/2012	Samplers Initials AJA	A End Date	3/7/2012 Samplers Init	itals AJA
Ambient Te	emperature (F) AVG		Barometric P	Pressure (mm Hg) AVG	
Ultra III	Sample ID		AMS01 Ultr	ra III 030512	
			Start		End
		Time	7:00	Time	16:30
		Temperature Reading (F)		Temperature Reading (F)	
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	
				54.6	
Ultra III	Sample ID		AMS02 Lite	ra     030512	
	Sample ID		Start	la 11 0.30312	End
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		Temperature Reading (F)		Temperature Reading (F)	
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	
Ultra III	Sample ID	[	AME02 LIN	ra III 030512	
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		Temperature Reading (F)		Temperature Reading (F)	
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Ultra III	Sample ID			ra III 030512	
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		Temperature Reading (F)	L	Temperature Reading (F)	
		Barometric Pressure (Hg)		Barometric Pressure (Hg)	

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Start Date	3/5/201	2 Samp	lers Initials	AJA	End Date	3/7/	/12 Samplers Ini	titals AJA
Ambient Ter	nperature (F)	AVG			Barometric P	ressur	e (mm Hg) AVG	
Weather Co	mments							
TO-15A	Samp	le ID			AMS01 TC	015 03(	0512	
Canister Ser	ial #:		11879		Regulator#:	[	40	339
Time		Start 7:00			Time		16:30	End
Initial Gauge	Pressure (in	. Hg)	-30		Final Gauge	Pressi	ure (in. Hg)	-2
TO-15A	Samp	le ID			AMS01 T0	15 030	512 D	
Canister Sei	rial #:		34764			[	40	461
		Start		_				End
Time		7:00			Time		16:30	)
Initial Gauge	e Pressure (in	n. Hg)	-30		Final Gauge	Pressi	ure (in. Hg)	-9
TO-15A	Samp	le ID			AMS02 TO	015 03	0512	
Canister Se	rial #:		34399		Regulator#:		40	461
		Start						End
Time		7:00			Time		16:30	)
Initial Gauge	e Pressure (ir	n. Hg)	-30		Final Gauge	Press	ure (in. Hg)	-2



APPENDIX C

REAL-TIME AIR MONITORING INSTRUMENTATION CALIBRATION RECORDS

Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

Definition         Stratum         Control								
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	8/19/2010	Temp \$9.2 B P 20.32	(Name)	(ppm or %)	0.0	(ppm or %)		A 1A
	0/1//2010	Teap 89.2, D.F. 29.52	isobuleleyne	101110	0.0	10.0		
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Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initia
		(Name)	(ppm or %) 10 PPM		(ppm or %) 10.0		
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobutelearne	10 PPM	0.0	10.0		AJA
8/20/2010	Тещр 80.8, Б.г. 29.27	Isobuleleyne	IUTEM	0.0	10.0		AJA
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Instrument: <u>pDR-1500</u> Manufacturer <u>Thermo MIE</u> Serial No.: <u>5230</u>

Serial No.:	5230					Project #	
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
		(Name)	(ppm or %) NA		(ppm or %) 0	Candation Protostana Commento	
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	ок	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	ОК	0		AJA
	Temp 82.4, B.P. 29.21		NA	ОК	0		AJA
8/21/2010	Temp 82.4, D.F. 29.21	INA	174	UK	0		-016
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Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

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Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
0/10/2010	T. 00 3 D D 00 33	(Name)	(ppm or %) 10 PPM	0.0	(ppm or %) 10.0		. 1.
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobutcleyne	10 PPM	0.0	10,0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
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Instrument: <u>model MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

Senai No.:	110-007228					Project # 101-275	
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) Isobuteleyne	(ppm or %) 10 PPM	0.0	(ppm or %) 10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27			0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	lsobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
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Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
Unice Tune	Weather Conditions	(Name)	(ppm or %)	Zero Check	(ppm or %)	Canoration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
0/17/2010	romp 87.2, D.r. 27.52	isobuleicylie	10 17 101	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		ALA
3/20/2010	remp 80.8, D.F. 29.27	isobuteleyne	101111	0.0	10.0		Ala
8/21/2010	Temp 82.4, B.P. 29.21	leobutoloumo	10 PPM	0.0	10.0		AJA
0/21/2010	romp 82.4, D.F. 27.21	Isobuteleyne	IOTIM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	realp 00.1, D.1. 29.40	isobuleicylic	1016141	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29,53	Isobutalouma	IO PPM	0.0	10.0		A 1A
8/20/2010	Temp 38.5, D.F. 29.35	Isobuteleyne	IU FFIM	0.0	10.0		AJA
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Instrument: <u>model: MiniRAF2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobutcleyne	10 PPM	0.0	10.0		AJA
0/17/2010	10110 07.2, 11.1, 17.52	1,000 alerey no		0,0			10/1
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	IO PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Icobutolome	10 PPM	0.0	10,0		AJA
8/25/2010	Temp 00,1, D,F, 27,40	ISOULICIEVIC	101114	0.0	10,0		00
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0,0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
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Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32		10 PPM	0.0	10.0		AJA
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8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	IO PPM	0,0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		ALA
8/25/2010			10.0014		10.0		
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobutcleyne	10 PPM	0,0	10.0		AJA
8/27/2010	T. 691 D.D.206	1.1.1.	10.0014	0.0	10.0		
	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleync	10 PPM	0.0	10.0		AJA
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Instrument: <u>model: MiniRAF2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

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Image: Mark Series         Image:								AJA
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Image: Mark Series of Sarding S	8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleync	IO PPM	0.0	10.0		AJA
Matrix         Matrix<	8/25/2010	Temp 66.1, B.P. 29.46	Isobutcleyne	10 PPM	0.0	10.0		AJA
8/28/2010         Temp 63.2, B.P. 29.46         Isobuteleyne         IO PPM         0.0         10.0         AJA	8/26/2010	Тегор 58.5, В.Р. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010         Temp 63.2, B.P. 29.46         Isobuteleyne         IO PPM         0.0         10.0         AJA	8/27/2010	Temp 58.1, B.P. 29.5	lsobutelevne	10 PPM	0.0	10.0		AIA
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	8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleync	10 PPM	0.0	10.0		ALA
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Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

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Date/Time	Weather Conditions	Gas STD (Name)	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	(ppm or %) 10 PPM	0,0	(ppm or %) 10.0		ALA
8/20/2010	Temp 86.8, B.P. 29.27	lsobuteleyne	IO PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21		10 PPM	0,0	10,0		AJA
8/25/2010	Temp 66.1, B.P. 29.46		10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	lsobuteleyne	10 PPM	0,0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	lsobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		ALA
8/31/2010	Temp 73.7, B.P. 29.49	Isobutcleyne	10 PPM	0.0	10.0		AJA
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Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

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Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
		(Name)	(ppm or %)		(ppm or %)	Canaranon rices and community	
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	lsobutcleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46		10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58,1, B.P. 29,5	Isobutcleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleync	10 PPM	0.0	10.0		AJA
							AJA
8/30/2010	Temp 72.4, B.P. 29.55		10 PPM	0.0	10.0		
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
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Instrument: <u>pDR-1500</u> Manufacturer: <u>Thermo MIE</u> Serial No.: <u>5230</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
		(Name)	(ppm or %)		(ppm or %)		
8/19/2010	Temp 89.2, B.P. 29.32	NA	NA	ОК	0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
0/21/2010	Terre 82 4 D D 20 21		NIA	ОК			AJA
8/21/2010	Temp 82.4, B,P. 29.21	NA	NA	UK	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	OK	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	ОК	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	ОК	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	ОК	0		AJA
		214		01/			
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	ОК	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	OK	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	ОК	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	OK	0		AJA
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Instrument: <u>model: ppbRAF.Plus</u> Manufacturer <u>RAE Systems</u> Serial No.: <u>250-103008</u>

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Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
		(Name)	(ppm or %)		(ppm or %)		
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Toma 82.4 P.D. 20.21	Isobutoloume	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteteyne	IUFFINI	0.0	10.0		
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobutelevne	IO PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0,0	10.0		ALA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
0/20/2010	T	I should be		0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteicyne	10 PPM	0.0	10.0	-	
8/31/2010	Temp 73.7, B.P. 29.49	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobutelevne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29,26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobutele ync	10 PPM	0.0	10,0		AJA
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Instrument: <u>model: ppbRAF. Plus</u> Manufacturer <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) Isobutelevne	(ppm or %) 10 PPM	0.0	(ppm or %) 10.0		AJA
	Temp 86.8, B.P. 29.27		10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10,0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyna	IO PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobutelcyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobutcleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37			0.0	10.0		
							AJA
9/2/2010	Temp 71.2, B.P. 29.26			0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobutelcyne	10 PPM	0.0	10.0		AJA
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Instrument: model: ppbRAF.Plus Manufacturer: RAE Systems Serial No.: 250-103008

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Image         (Name)         (ppm or %)         (ppm or %)         (ppm or %)         (ppm or %)           8/19/2010         Teap 89.2, B.P. 29.21         isobuteleyne         10 PPM         0.0         10.0         AlA           8/202010         Teap 88.8, B.P. 29.22         isobuteleyne         10 PPM         0.0         10.0         AlA           8/202010         Teap 88.4, B.P. 29.21         isobuteleyne         10 PPM         0.0         10.0         AlA           8/21/2010         Teap 68.1, B.P. 29.21         isobuteleyne         10 PPM         0.0         10.0         AlA           8/25/2010         Teap 68.1, B.P. 29.45         isobuteleyne         10 PPM         0.0         10.0         AlA           8/25/2010         Teap 58.5, B.P. 29.53         isobuteleyne         10 PPM         0.0         10.0         AlA           8/25/2010         Teap 58.1, B.P. 29.53         isobuteleyne         10 PPM         0.0         10.0         AlA           8/27/2010         Teap 53.1, B.P. 29.53         isobuteleyne         10 PPM         0.0         10.0         AlA           8/27/2010         Teap 73.7, B.P. 29.54         isobuteleyne         10 PPM         0.0         10.0         AlA           8/27/2010	Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
And and any and any and any and any			(Name)	(ppm or %)		(ppm or %)		
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And         And         And           25/27/2010         Temp 66, B. P. 29.46         Isobuteleyne         10 PPM         0.0         10.0         AlA           8/26/2010         Temp 58, S. B. P. 29.53         Isobuteleyne         10 PPM         0.0         10.0         AlA           8/27/2010         Temp 58, S. B. P. 29.53         Isobuteleyne         10 PPM         0.0         10.0         AlA           8/27/2010         Temp 58, J. B. P. 29.5         Isobuteleyne         10 PPM         0.0         10.0         AlA           8/27/2010         Temp 58, J. B. P. 29.5         Isobuteleyne         10 PPM         0.0         10.0         AlA           8/28/2010         Temp 53, J. B. P. 29.55         Isobuteleyne         10 PPM         0.0         10.0         AlA           8/28/2010         Temp 72.4, B. P. 29.55         Isobuteleyne         10 PPM         0.0         10.0         AlA           9/31/2010         Temp 73, T. B. P. 29.49         Isobuteleyne         10 PPM         0.0         10.0         AlA           9/1/2010         Temp 69.0, B. P. 29.37         Isobuteleyne         10 PPM         0.0         10.0         AlA           9/1/2010         Temp 69.0, B. P. 29.37         Isobuteleyne         10 PPM<								
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Image: Second		Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
Image: Mark Stress of the stress of	8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010         Temp 65.7, B.P. 28.98         Isobuteleyne         10 PPM         0.0         10.0         AJA           9/7/2010         Temp 55.7, B.P. 26.21         Isobuteleyne         10 PPM         0.0         10.0         AJA           9/8/2010         Temp 58.9, B.P. 26.21         Isobuteleyne         10 PPM         0.0         10.0         AJA           9/9/2010         Temp 54.6, B.P. 26.15         Isobuteleyne         10 PPM         0.0         10.0         AJA	9/1/2010	Temp 69.0, B.P. 29.37	lsobuteleyne	10 PPM	0,0	10.0		AJA
9/8/2010         Temp 58.9, B.P. 26.21         lsobutcleyne         10 PPM         0.0         10.0         AJA           9/9/2010         Temp 54.6, B.P. 26.15         Isobutcleyne         10 PPM         0.0         10.0         AJA	9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	IO PPM	0.0	10.0		AJA
9/9/2010 Temp 54.6, B.P. 26.15 Isobuteleyne 10 PPM 0.0 10.0 AJA	9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
	9/8/2010	Temp 58.9, B.P. 26.21	lsobuteleyne	10 PPM	0.0	10,0		AJA
9102010Temp 94, 8 / 2 / 10A / AAA<	9/9/2010	Temp 54.6, B.P. 26.15	Isobuteleyne	10 PPM	0,0	10,0		AJA
	9/10/2010	Temp 59.4, B.P. 26.13	Isobutelcyne	10 PPM	0.0	10.0		AJA
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Instrument: <u>model: pphRAE Plus</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10,0		AJA
8/20/2010	Tcmp 86.8, B.P. 29.27	lsobuteleyne	10 PPM	0.0	10,0		ALA
8/21/2010	Temp 82.4, B.P. 29.21		10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobutelcync	IO PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobutelevne	I0 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobutcleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
			10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98						
9/8/2010	Temp 58.9, B.P. 26.21	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobutcleyne	10 PPM	0.0	10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobutcleyne	10 PPM	0.0	10.0		AJA
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Instrument: <u>pDR-1500</u> Manufacturer <u>Thermo MIE</u> Serial No.: 5230

Serial No.:	5230					Project #	
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010		(Name) NA	(ppm or %) NA	ОК	(ppm or %) 0		AJA
	Temp 89.2, B.P. 29.32						
	Temp 86.8, B.P. 29.27	NA	NA	ОК	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	ОК	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	ОК	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	ОК	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	ОК	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	ОК	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	ОК	0		AJA
	Temp 73.7, B.P. 29.49		NĂ	ОК	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37		NA	ОК	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26		NA	ОК	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18		NA	OK	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	ОК	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	ОК	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	ОК	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	ОК	0		DSS
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Instrument: <u>model: ppbRAF. Plus</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) Isobutcleyne	(ppm or %) 10 PPM	0.0	(ppm or %) 10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21		10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46		10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53		10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	lsobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98		10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21		IO PPM				
				0.0	10.0		AIA
9/9/2010	Temp 54.6, B.P. 26.15		10 PPM	0.0	10.0		ALA
9/10/2010	Temp 59.4, B.P. 26.13		10 PPM	0.0	10.0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	Isobuteleyne	10 PPM	0.0	10.2		DSS
11/11/2010	Temp 42.9 B.P. 30.45	lsobuteleyne	10 PPM	0.0	10,1		DSS
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Instrument: <u>pDR-1500</u> Manufacturer <u>Thermo MIE</u> Serial No.: <u>5230</u>

# Project: <u>Ameren Tavlorville</u> Project #

Senal No.:	3230		_			Project #	
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) NA	(ppm or %) NA	ОК	(ppm or %) 0		AJA
	Temp 86.8, B.P. 29.27	NA	NA	OK	0		AJA
	Temp 82.4, B.P. 29.21		NA	OK	0		AJA
	Temp 66.1, B.P. 29.46		NA	ОК	0		AJA
	Temp 58.5, B.P. 29.53	NA	NA	ОК	0		AJA
8/27/2010		NA	NA	0K	0		AJA
	Temp 63.2, B.P. 29.46		NA	ОК	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	ОК	0		AJA
8/31/2010	Temp 73.7, 8.P. 29.49	NA	NA	ОК	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	OK	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	ОК	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	ОК	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	ОК	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	OK	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	ОК	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	ОК	0		DSS
11/11/2010	Temp 42.9 B.P. 30.45	NA	NA	OK	0		DSS
11/12/2010	Temp 43.1 B.P. 28.95	NA	NA	ОК	0		DSS
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Instrument: <u>model: ppbRAF Plus</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Meter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	lsobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46		10 PPM	0.0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0,0	10,0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	lsobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	IO PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/2/2010	Tcmp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	lsobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobutelevne	I0 PPM	0.0	10,0		AJA
9/9/2010	Temp 54.6, B.P. 26.15			0.0			
					10.0		AJA
9/10/2010	Temp 59.4, B.P. 26.13			0.0	10.0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	lsobuteleyne	10 PPM	0.0	10.2		DSS
11/11/2010	Temp 42.9 B,P, 30,45	Isobuteleyne	10 PPM	0.0	10.1		DSS
11/12/2010	Temp 43.1 B.P. 28.95	Isobuteleyne	10 PPM	0.0	10.1		DSS
11/13/2010	Temp 44.9 B.P. 29.35	Isobuteleyne	10 PPM	0.0	10.3		DSS
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Instrument: <u>pDR-1500</u> Manufacturer <u>Thermo MIE</u> Serial No.: <u>5230</u>

	5230					Project #	
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) NA	(ppm or %) NA	ОК	(ppm or %) 0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA	ОК	0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	NA	NA	ОК	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	NA	NA	ОК	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	ОК	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	ОК	0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	NA	NA	ОК	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	ОК	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	ОК	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	ОК	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	ОК	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	ОК	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	ОК	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NA	NA	ОК	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	ОК	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	OK	0		DSS
11/11/2010	Temp 42.9 B.P. 30.45	NA	NA	ОК	0		DSS
11/12/2010	Temp 43.1 B.P. 28.95	NA -	NA	ОК	0		DSS
11/13/2010	Temp 44.9 B.P. 29,35	NA	NA	ОК	0		DSS
	Temp 46.8 B.P. 29.41		NA	ОК	0		DSS
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Instrument: <u>model: ppbRAF. Plus</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) Isobuteleype	(ppm or %) 10 PPM	0.0	(ppm or %) 10.0		ALA
8/20/2010	Temp 86.8, B.P. 29.27	Isobutelcyne	10 PPM	0.0	10.0		
				0.0	10.0		AJA
8/21/2010	Temp 82.4, B.P. 29.21	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/25/2010	Temp 66.1, B.P. 29.46	Isobutelcync	10 PPM	0,0	10.0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	Isobutcleyne	10 PPM	0.0	10.0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/28/2010	Temp 63.2, B.P. 29.46	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	Inchatalauma	10 PPM	0.0	10.0		
		Isobutcleyne		0.0	10.0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/7/2010	Temp 65.7, B.P. 28.98	Isobuteleyne	10 PPM	0.0	10.0		AJA
9/8/2010	Temp 58.9, B.P. 26.21	Isobutelcyne	10 PPM	0.0	10.0		AJA
9/9/2010	Temp 54.6, B.P. 26.15	Isobutcleyne	10 PPM	0.0	10.0		
							AJA
9/10/2010	Temp 59.4, B.P. 26.13	Isobuteleyne	10 PPM	0,0	10,0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	Isobuteleyne	10 PPM	0.0	10.2		DSS
11/11/2010	Temp 42.9 B.P. 30.45	Isobuteleyne	10 PPM	0.0	10.1		DSS
11/12/2010	Temp 43.1 B.P. 28.95	Isobutcleyne	10 PPM	0.0	10,1		DSS
11/13/2010							
	Temp 44.9 B.P. 29.35	Isobuteleyne	10 PPM	0.0	10.3		DSS
11/15/2010	Temp 46.8 B.P. 29.41	Isobuteleyne	10 PPM	0.0	10.4		DSS
11/16/2010	Temp 38.8 B.P. 29.55	Isobuteleyne	10 PPM	0.0	10.2		DSS
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Instrument: <u>pDR-1500</u> Manufacturer <u>Thermo MIE</u> Serial No.: <u>5230</u>

Senal No.:	J230					Project #	
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
8/19/2010	Temp 89.2, B.P. 29.32	(Name) NA	(ppm or %) NA	ОК	(ppm or %) 0		AJA
8/20/2010	Temp 86.8, B.P. 29.27	NA	NA -	OK	0		AJA
	Temp 82.4, B.P. 29.21	NA	NA	ОК	0		AJA
8/25/2010	Temp 66.1, B.P. 29.46		NA	ОК	0		AJA
8/26/2010	Temp 58.5, B.P. 29.53	NA	NA	ОК	0		AJA
8/27/2010	Temp 58.1, B.P. 29.5	NA	NA	ОК	0		AJA
8/28/2010	Temp 63.2, 8.P. 29.46		NA	ОК	0		AJA
8/30/2010	Temp 72.4, B.P. 29.55	NA	NA	ОК	0		AJA
8/31/2010	Temp 73.7, B.P. 29.49	NA	NA	ОК	0		AJA
9/1/2010	Temp 69.0, B.P. 29.37	NA	NA	ОК	0		AJA
9/2/2010	Temp 71.2, B.P. 29.26	NA	NA	ОК	0		AJA
9/7/2010	Temp 65.7, B.P. 29.18	NA	NA	ОК	0		AJA
9/8/2010	Temp 58.9, B.P. 29.21	NA	NA	ОК	0		AJA
9/9/2010	Temp 54.6, B.P. 29.15	NĀ	NA	ОК	0		AJA
9/10/2010	Temp 59.4, B.P. 29.13	NA	NA	ОК	0		AJA
11/10/2010	Temp 42.8 B.P. 29.51	NA	NA	ОК	0		DSS
11/11/2010	Temp 42.9 B.P. 30.45	NA	NA	ОК	0		DSS
11/12/2010	Temp 43.1 B.P. 28.95	NA	NA	ОК	0		DSS
11/13/2010	Temp 44.9 B.P. 29,35	NA	NA	ОК	0		DSS
11/15/2010	Temp 46.8 B.P. 29.41	NA	NA	ОК	0		DSS
11/16/2010	Temp 38.8 B.P. 29.55	NA	NA	ОК	0		DSS
11/17/2010	Temp 42.8 B.P. 29.45	NA	NA	ОК	0		DSS
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Instrument: <u>model: ppeRAE plus</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
9/27/2011	Temp 62.0, B.P. 29.25	(Name) Isobuteleyne	(ppm or %) 10 PPM	0.0	(ppm or %) 10.1		AJA
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9/28/2011	Temp 53.6, B.P. 29.27	Isobuteleyne	LOPPM	0.0	10,2		
9/29/2011	Temp 50.5, B.P. 29.27	Isobuteleyne	10PPM	0.0	10.2		
9/30/2011	Temp 53.3, B.P. 29.42	Isobuteleyne	10PPM	0.0	10.2		
10/1/2011	Temp 40.1, B.P. 29.66	Isobuteleyne	10PPM	0.0	9.9		
10/3/2011	Temp 47.0, B.P. 29.66	Isobuteleyne	10PPM	0.0	10.1		
10/4/2011	Temp 44.3, B.P. 29.69	Isobuteleync	10PPM	0.0	10.1		
	Temp 44.5, B.F. 25.05	rsooutereyne	IOTTW	0.0	10.1		
10/5/2011	Temp 47.1, B.P. 29.67	Isobuteleyne	IOPPM	0.0	10.2		
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Instrument: <u>model: ppeRAE plus</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>250-103008</u>

Date/Time	Weather Conditions	Gas STD (Name)	STD Conc. (ppm or %)	Zero Check	Mcter Reading (ppm or %)	Calibration Notes and Comments	Calibrators Initials
9/27/2011	Temp 62.0, B.P. 29.25		10 PPM	0.0	10.1		AJA
9/28/2011	Temp 53.6, B.P. 29.27	Isobutelcyne	10PPM	0.0	10.2		AJA
9/29/2011	Temp 50.5, B.P. 29.27	Isobuteleyne	10PPM	0,0	10.2		AJA
9/30/2011	Temp 53.3, B.P. 29.42	Isobutelevne	10PPM	0.0	10.2		AJA
10/1/2011			LOPPM				
	Temp 40.1, B.P. 29.66			0.0	9.9		AJA
10/3/2011	Temp 47.0, B.P. 29.66		IOPPM	0.0	10.1		AJA
. 10/4/2011	Temp 44.3, B.P. 29.69	Isobuteleync	10PPM	0.0	10,1		AJA
10/5/2011	Temp 47.1, B.P. 29.67	Isobuteleyne	10PPM	0.0	10.2		AJA
12/6/2011	Temp 37.8, B.P. 29.47	Isobuteleyne	100PPM	0.0	103.0		AJA
12/7/2011	Temp 31.9, B.P. 29.43	Isobuteleyne	100PPM	0.0	103.0		AJA
12/8/2011	Temp 24.5, B.P. 29.52	Isobuteleyne	100PPM	0,0	103.0		AJA
12/9/2011	Temp 31.6, B.P. 29.58	Isobuteleyne	LOOPPM	0.0	102.0		AJA
12/11/2011	Temp 23.1, B.P. 29.79	Isobuteleyne	100PPM	0.0	103.0		AJA
12/12/2011	Temp 25.2, B.P. 29.71		100PPM	0.0	102.0		AJA
12/13/2011	Temp 39.6, B.P. 29.71		100PPM	0.0	102.0		
				1			ALA
12/14/2011	Temp 46.5, B.P. 29.38		100PPM	0.0	103.0		AJA
2/28/2012	Temp 30.6, B.P. 29.74		10.0 PPM	0.0	10.1		AJA
2/29/2012	Temp 55.3, B.P. 28,98	Isobutcleyne	10.0 PPM	0.0	10.0		AJA
3/1/2012	Temp 32.9, B.P. 29.21	Isobuteleyne	10.0 PPM	0.0	10.2		AJA
3/2/2012	Temp 47.1, B.P. 28.73	Isobuteleyne	10.0 PPM	0.0	10.2		AJA
3/5/2012	Temp 21.5, B.P. 29.63	lsobuteleyne	10.0 PPM	0.0	10.1		AJA
3/6/2012	Temp 42.2, B.P. 29.45	Isobuteleyne	10.0 PPM	0.0	10,0		AJA
3/7/2012	Temp 54.4, B.P. 29.39	Isobuteleyne	10.0 PPM	0.0	10.0		AJA
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Instrument: <u>pDR-1500</u> Manufacturer: <u>Thermo MIE</u> Serial No.: <u>5230</u>

#### Project: <u>Ameren Taylorville</u> Project # 090-290

STD Conc. Calibrators Initials Gas STD Zero Check Meter Reading Calibration Notes and Comments Date/Time Weather Conditions (Name) (ppm or %) (ppm or %) OK 9/27/2011 Temp 62.0, B.P. 29.25 NA NA AJA 0 9/28/2011 Temp 53.6, B.P. 29.27 NA NA OK 0 AJA 9/29/2011 Temp 50.5, B.P. 29.27 NA NA OK 0 AJA 9/30/2011 Temp 53.3, B.P. 29.42 NA NA ОК 0 AJA OK 10/1/2011 Temp 40.1, B.P. 29.66 NA NA 0 AJA OK AJA 10/3/2011 Temp 47.0, B.P. 29.66 NA NA 0 AJA 10/4/2011 Temp 44.3, B.P. 29.69 NA NA ОК 0 10/5/2011 Temp 47.1, B.P. 29.67 NA NA OK AJA 0 12/6/2011 Temp 37.8, B.P. 29.47 NA NA OK 0 AJA 12/7/2011 Temp 31.9, B.P. 29.43 NA NA OK 0 AJA NA OK 12/8/2011 Temp 24.5, B.P. 29.52 NA 0 AJA 12/9/2011 Temp 31.6, B.P. 29.58 NA NA OK AJA 0 12/11/2011 Temp 23.1, B.P. 29.79 NA OK NA 0 AJA NA OK AJA 12/12/2011 Temp 25.2, B.P. 29.71 NA 0 12/13/2011 Temp 39.6, B.P. 29.71 NA NA OK 0 AJA 12/14/2011 Temp 46.5, B.P. 29.38 ΝA NA OK 0 AJA NA OK 2/28/2012 Temp 30.6, B.P. 29.74 NA 0 AJA ΝA OK 2/29/2012 Temp 55.3, B.P. 28.98 NA 0 AJA 3/1/2012 Temp 32.9, B.P. 29.21 NA NA OK AJA 0 AJA 3/2/2012 Temp 47.1, B.P. 28.73 NA NA OK 0 3/5/2012 Temp 21.5, B.P. 29.63 NA NA OK Ð AJA 3/6/2012 Temp 42.2, B.P. 29.45 NA NA OK 0 AJA ĀJĀ 3/7/2012 Temp 54.4, B.P. 29.39 NA NA OK 0

Instrument: <u>pDR-1500</u> Manufacturer: <u>Thermo MIE</u> Serial No.: <u>5230</u>

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Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	(Name) NA	(ppm or %) NA	ОК	(ppm or %) 0		DSS
3/16/2011	Temp 32.5, B.P. 29.72	INA	INA	UK			033
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Instrument: <u>pDR-1500</u> Manufacturet:<u>Thermo MIE</u> Serial No.: <u>5230</u>

(Name)         (ppm or %)         (ppm or %)           3/16/2011         Temp 32.5, B.P. 29.72         NA         NA         OK         0         1								
(Name)         (ppm or %)         (ppm or %)           3/16/2011         Temp 32.5, B.P. 29.72         NA         NA         OK         0         II	Date/Time	Weather Conditions	Gas STD	STD Conc	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initial
			(Name)	(ppm or %)	Daro Check	(ppm or %)		cultivitions initia
	3/16/2011	Temp 32.5, B.P. 29.72	NA	ŇĀ	OK	0		DSS
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	3/17/2011	Temp 50.1, B.P. 29.42	NA	NA	OK	0		DSS
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Instrument: <u>model: MiniRAF2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

3/17/2011         Temp 50.1, B.P. 29.42         Isobuteleyne         10 PPM         0.0         10.0         DSI								
(Name)         (ppm or %)         (ppm or %)           3/16/2011         Temp 32.5, B.P. 29.72         Isobuteleyne         10 PPM         0.0         10.0         DSt           3/17/2011         Temp 50.1, B.P. 29.42         Isobuteleyne         10 PPM         0.0         10.0         DSt	ate/Time	Wather Conditions	Cas STD	STD Cana	Zana Chault	Mater Passing	Colliburition Nation and Community	Calibartan Isidala
3/17/2011 Temp 50.1, B.P. 29.42 Isobuteleyne 10 PPM 0.0 10.0 DS	ares i mie	Weather Conditions		(npm or %)	ZCIU CIIECK	(nnm or %)	Calibration Notes and Comments	Calibrators Initials
3/17/2011 Temp 50.1, B.P. 29.42 Isobuteleyne 10 PPM 0.0 10.0 DS	16/2011	Temp 32.5, B.P. 29.72	Isobuteleyne	10 PPM	0.0	10.0		DSS
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	/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
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	/18/2011	Temp 50.8, B.P. 29.59	Isobuteleyne	10 PPM	0.0	10.0		DSS
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Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

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Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initial
3/16/2011	Tcmp 32.5, B.P. 29.72	(Name) Isobuteleyne	(ppm or %) 10 PPM	0.0	(ppm or %) 10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobutalama	10 PPM	0.0	10,0		DSS
	Temp 50.8, D.F. 29.39	rsobutercyne	IVFFM	0.0	10,0		
3/19/2011	Temp 40.2, B.P. 29.31	lsobuteleyne	10 PPM	0.0	10.0		DSS
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Instrument: <u>model: MiniRAF2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

Datc/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
	-	(Name)	(ppm or %)		(ppm or %)	Canoration Poles and Comments	
3/16/2011	Temp 32,5, B.P. 29,72	Isobuteicyne	10 PPM	0,0	10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/19/2011	Temp 40.2, B.P. 29.31	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/21/2011	Temp 52.8, B.P. 29.43	Isobuteleyne	10 PPM	0.0	10.0		DSS
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#### REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: <u>model: MiniRAE2000</u> Manufacturer: <u>RAE Systems</u> Serial No.: <u>110-007228</u>

#### Project: <u>Ameren Taylorvill</u>e Project # 090-290

	_						
Date/Time	Weather Conditions	Gas STD	STD Conc.	Zero Check	Meter Reading	Calibration Notes and Comments	Calibrators Initials
3/16/2011	Temp 32.5, B.P. 29.72	(Name)	(ppm or %) 10 PPM	0.0	(ppm or %)		Dec
3/16/2011	Temp 32.3, B.P. 29.72	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/17/2011	Temp 50.1, B.P. 29.42	Isobuteleyne	10 PPM	0.0	10.0		DSS
3/18/2011	Temp 50.8, B.P. 29.59	Isobutelavae	10 PPM	0.0	10.0		DSS
3/19/2011	Temp 40.2, B.P. 29.31	lsobuteleyne	10 PPM	0.0	10.0		DSS
3/21/2011	Temp 52.8, B.P. 29.43	Isobutelevne	10 PPM	0.0	10.0		DSS
							233
3/22/2011	Temp 53.2, B.P. 29.17	Isobutcleyne	10 PPM	0.0	10.0		DSS
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#### REAL TIME INSTRUMENT CALIBRATION FIELD LOG

Instrument: <u>pDR-1500</u> Manufacturer: <u>Thermo MIE</u> Serial No.: 5230

#### Project: <u>Ameren Taylorville</u> Project #

Date/Time Weather Conditions Gas STD STD Conc. Zero Check Meter Reading Calibration Notes and Comments Calibrators Initials (Name) (ppm or %) NA NA (ppm or %) 3/16/2011 Temp 32.5, B.P. 29.72 OK DSS 0 3/17/2011 Temp 50.1, B.P. 29.42 ΝA NA OK 0 DSS 3/18/2011 Temp 50.8, B.P. 29.59 NA ŇA OK 0 DSS 3/19/2011 Temp 40.2, B.P. 29.31 NA ΝA OK 0 DSS 3/21/2011 Temp 52.8, B.P. 29.43 DSS NA OK 0 NA 3/22/2011 Temp 53.2, B.P. 29.17 NA NA OK DSS 0 3/23/2011 Temp 53.7, B.P. 28.94 NA NA OK DSS 0



APPENDIX D

METEOROLOGICAL MONITORING DATA

# Taylorville MGP Met Data August 2010

ltem W	s wi	С	AT	RH	BP	RN	
Date (N	1PH) (De	eg)	(Deg F)	(%)	(''Hg)	(in)	
1							
2							
3		-					
4 5							
5							
7							
8							
9							
10		-					
11		-					
12		-					
13		-					
14		-					
15		-					
16		-					
17		-					
18		-					
19	1.2	190.9	82.8	70.9	29.81	0.05	
20	1.5	146.2	76.6	82.7		2.07	
21	1.7	223.9	77	81.9			
22	2.6	68.6	78.7	71.5			
23	2.2	67.4	74.9	72.6			
24	1.9	119.7	75.4	71.2			
25	2.3	215	71	60.5			
26	1.3	195.9	67.6	69.8			
27 28	1.1 1.2	125.5	69.4	68.4			
28	1.2	123.2 123.1	74.2 79.3	69.6 71.8			
30						0.11	
31			79.2			0.01	
Sum	22		980.9 9	52.5 3	89.21	2.24	
Average		135.8	75.5	73.3	29.94		
	2.6					2.07	
Date	22		19		26		
Minimum	1.1					0	
Date	27		26		20	21	

## Taylorville MGP Met Data September 2010

tem Date	WS (MPH)		WD (Deg)	AT (Deg F)			BP ("Hg)	RN (in)		
								····)		
	1	1.4	138.7	73	.8	87.5	29.87		0.2	
	2	2.2	162.8	74	.4	85.4	29.79		3.05	
	3	2.6	218.4	65	.6	67.7	29.87	,	0	
	4	1.9	220.6		.8	68.3			0	
	5	1.4			.7	70.9			0	
	6	2.1			5	63.9			0	
	7	1.8				63			0	
	8	1.4			5.1	62			0	
	9	2.2			1.1	72.4			0	
	10	2.7			2.9	85.5			0.6	
	11	1.7			5.7	90.8			0.63	
	12									
	13									
	14									
	15									
	16									
	17 18									
	18									
	20									
	20									
	22									
	23									
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	25									
	26									
	27									
	28									
	29									
	30									
		-								
Sum		21.4	ţ	738.5	8	17.3	312.3	4	4.48	
Averag	e	1.9	) 169.2	2 6	7.1	74.3	28.3	9	0.41	
Maxim	 um	2.7	7	7	4.4	90.8	 3 29.9	4	3.05	
Date		10			2	11		4	2	
Minim		- 1.4	 1	6	 0.8	- 62	2 26.8	 8	0	
Date		5		-	4	8		0	3	

## Taylorville MGP Met Data November 2010

ltem Date		WS (MPH)		WD (Deg	)	AT (Deg I	-)	RH (%)		BP ("Hg		RN (in)		
	-													
	-													
	-													
	8													
	9													
	10		2		163.8		62.8		58.7		29.97		0.01	
:	11		1.7		111.4		59.2		68.9		30.17		0	
:	12		1.7		109.8		59.8		52.8		30.09		0	
	13		3.5		229.7		48.2		70.4		29.87		0.11	
	14		2.2		208.4		40.5		62.9		29.86		0	
	15		1.6		176.5		43.1		66.2		29.76		0	
	16		1.5		8		38.4		70.6		29.59		0	
	17		2.1		249.3		39.9		76.2		29.95		0	
	18		1.6		211.9		39.2		80.9		30.14		0.02	
	25													
	26													
	27													
	28													
	29													
	30													
 Sum			17.8				 431		- 607.6 -		269.4		0.14	
Average	à				184.6				67.5 -		29.93		0.02	
Maximu	ım								80.9		30.17		0.11	
Date			13				10		18		11		13	
Minimu	m										29.59		0	
Date													11	
Standar # above	d											••••		
Valid			- 30% -		 30%		 30%		- 30% -		 30%		30%	

## Taylorville Met Data March 2011

tem Date	WS (MPI	W[ H) (Đe	eg) (	AT Deg F)	(	RH (%)		BP ("Hg	)	RN (in)		
	1		··· -		-							
	2				-							
	3				-							
	4 5 <b></b>				-							
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:	11				-							
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	13							<b></b>				
	14											
	15								20.07		0.00	
	16	2.6	31.8		56.2		249.9		30.07		0.00 0.00	
	17 18	3.0 2.4	24.8 209.5		60.5 50.8		249.9 249.9		29.75 29.47		0.00	
	10 19	3.8	254.8		46.7		249.9		29.59		0.00	
	20	3.7	355.6		58.4		249.9		29.42		0.00	
	21	2.1	41.6		66.9		249.9		29.36		0.00	
	22	3.0	358.0		63.3		249.9		29.22		0.00	
	23	3.7	56.1		62.7		249.9		29.08		0.00	
	24		-									
	25		-									
	26		-									
	27		-									
	28											
	29											
	30											
	31		-									
Sum		24.3		4	65.5		1999.5		235.97		0.00	
Average		3.0	12.5		58.2		249.9		29.50		0.00	
Maximu	ım	3.8			66.9		249.9		30.07		0.00	
Date		19			21		16		16		16	
Minimu	m	2.1			46.7		249.9		29.08		0.00	
Date		21			19		16		23		16	
 Standar # above												
Valid		26%	26%		26%		26%		26%	 )	26%	

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WS(MPH)	WD(DEG)	AT(F)	RH(%)	BP(HG)	RN(in)	Date Time
3.1	224.3	57.7	75.7	29.24	0	9/27/2011 12:00
3.2	226.5	60.7	70.8	29.24	0	9/27/2011 13:00
2.9	223.7	61.1	69	29.25	0	9/27/2011 14:00
2.9	224.4	62.6	67.5	29.24	0	9/27/2011 15:00
2.3	215.5	63.1	67.6	29.24	0	9/27/2011 16:00
2.6	227.3	64.3	65.3	29.24	0	9/27/2011 17:00
1.6	221.1	62.4	71.3	29.25	0	9/27/2011 18:00
0.7	225.7	60.2	76.9	29.26	0	9/27/2011 19:00
0.6	232	57.7	86.1	29.27	0	9/27/2011 20:00
0.7	182.6	55.8	92.1	29.27	0	9/27/2011 21:00
0.8	238.2	55.8	89.1	29.28	0	9/27/2011 22:00
0.6	257.8	53.3	91.5	29.27	0	9/27/2011 23:00
0.6	276.3	52.6	93	29.26	0	9/28/2011 00:00
0.6	228	52.6	92.9	29.26	0	9/28/2011 01:00
0.6	224	52.3	91.1	29.25	0	9/28/2011 02:00
0.6	207.9	52.6	90.5	29.25	0.03	9/28/2011 03:00
0.6	238.5	52.2	93.1	29.24	0.01	9/28/2011 04:00
0.6	221.5	52.3	94.1	29.24	0	9/28/2011 05:00
0.6	203.5	52.8	94.5	29.24	0	9/28/2011 06:00
0.7	163.5	53.3	94.7	29.25	0	9/28/2011 07:00
0.6	201.9	53.6	94.8	29.26	0	9/28/2011 08:00
0.6	186.1	55.2	95	29.26	0	9/28/2011 09:00
0.6	134.7	58.7	90.3	29.27	0	9/28/2011 10:00
2.2	202.7	64.5	68.6	29.28	0	9/28/2011 11:00
2.3	225.4	66.3	64.5	29.27	0	9/28/2011 12:00
2.6	218.2	68.1	59.1	29.27	0	9/28/2011 13:00
2.5	209.3	69.4	56.1	29.26	0	9/28/2011 14:00
2.2	224	69.5	56	29.25	0	9/28/2011 15:00
1.8	216.7	68.1	62.5	29.25	0	9/28/2011 16:00
2.1	220.2	69.1	57.3	29.26	0	9/28/2011 17:00
1.1	222.5	66.6	64.7	29.26	0	9/28/2011 18:00
0.7	220.9	62.3	73.6	29.26	0	9/28/2011 19:00
0.6	240	59.7	77.7	29.26	0	9/28/2011 20:00
0.6	236.1	58.1	80.7	29.28	0	9/28/2011 21:00
0.6	243.5	56	84.6	29.27	0	9/28/2011 22:00
0.6	195.1	54	89.2	29.27	0	9/28/2011 23:00
0.6	206.6	53.2	92.3	29.27	0	9/29/2011 00:00
0.6	181.7	51.6	93.1	29.27	0	9/29/2011 01:00
0.6	287.4	51.2	93.8	29.27	0	9/29/2011 02:00
0.6	284	51.3	94.2	29.27	0	9/29/2011 03:00
0.6	320.7	50.5	94.2	29.27	0	9/29/2011 04:00
0.6	192.7	49.6	94.2	29.26	0	9/29/2011 05:00
0.6 0.6	263.7	49.2	94.3	29.26	0	9/29/2011 06:00
0.6	308.8 287.8	49.4 51.8	94.5	29.26	0	9/29/2011 07:00
0.6	287.8	51.8 57.7	95.1	29.27	0	9/29/2011 08:00
0.0	211.8	57.7	90.8	29.27	0	9/29/2011 09:00

1.2	209.4	67.2	76.9	29.26	0	9/29/2011 10:00
3.1	236.2	75.6	57.6	29.24	0	9/29/2011 11:00
3.5	219	79.9	45.6	29.22	0	9/29/2011 12:00
3.9	222.3	82.9	40.3	29.2	0	9/29/2011 13:00
6.5	233.7	82.2	38.2	29.21	0	9/29/2011 14:00
5.7	223.7	78.1				
			37.9	29.24	0	9/29/2011 15:00
5.8	233	74.9	29.3	29.26	0	9/29/2011 16:00
3.8	231	69.6	36.9	29.26	0	9/29/2011 17:00
3.2	231.5	67.7	41.6	29.27	0	9/29/2011 18:00
1.5	209.1	64.2	48.4	29.26	0	9/29/2011 19:00
1.4	219.9	61.1	54.3	29.26	0	9/29/2011 20:00
5.5	228.3	63.8	44.8	29.29	0	9/29/2011 21:00
5.9	231.7	63.5	44.8	29.32	0	9/29/2011 22:00
4.3	233.6	62	47.9	29.32	0	9/29/2011 23:00
4.3	234.8	60.8	50.7	29.32	0	9/30/2011 00:00
4.3	233.5	59.7	52.7	29.32	0	
5.8	233.5					9/30/2011 01:00
		59.6	52	29.33	0	9/30/2011 02:00
5.2	231.7	58.4	52	29.35	0	9/30/2011 03:00
4.5	234.7	57.1	51.7	29.35	0	9/30/2011 04:00
4.4	233.1	56.1	48.5	29.37	0	9/30/2011 05:00
4.4	234	55.2	49.9	29.39	0	9/30/2011 06:00
3.9	234.1	53.8	52.9	29.41	0	9/30/2011 07:00
4	234.2	53.8	54.3	29.43	0	9/30/2011 08:00
5.1	231	56.5	50.4	29.46	0	9/30/2011 09:00
5.4	225.3	58.8	46	29.49	0	9/30/2011 10:00
5.1	233.5	61.5	42.8	29.51	0	9/30/2011 11:00
5.4	230.2	64	35.7	29.51	0	9/30/2011 12:00
5.2	235.1	66.6	32	29.5	0	9/30/2011 13:00
5.2	231.3	68	30.4			
				29.49	0	9/30/2011 14:00
5.4	233.4	68.8	29.5	29.48	0	9/30/2011 15:00
4.6	230.5	69.1	31.9	29.47	0	9/30/2011 16:00
5.1	232.3	67.8	34.1	29.47	0	9/30/2011 17:00
4.1	208.2	66.1	37.1	29.48	0	9/30/2011 18:00
2.4	171.1	62.9	43.5	29.49	0	9/30/2011 19:00
1.4	172.9	58.9	48.3	29.5	0	9/30/2011 20:00
1	223.1	56.4	52.3	29.51	0	9/30/2011 21:00
0.9	245.1	54.2	56.5	29.53	0	9/30/2011 22:00
2.5	99.6	52.1	61.3	29.54	0	9/30/2011 23:00
3.3	57.6	50.3	66.1	29.56	0	10/1/2011 00:00
1.1	164.8	48.2	69.8	29.57	0	10/1/2011 01:00
0.7	250.4	44.9	77.5	29.57	0	10/1/2011 02:00
0.6	188.3	43.4	80.3	29.59	0	10/1/2011 03:00
0.6	248.4	43.1	80.9	29.59		
0.6	248.4				0	10/1/2011 04:00
		42.6	81.5	29.61	0	10/1/2011 05:00
0.8	231.1	41.8	81.2	29.63	0	10/1/2011 06:00
1.3	244.3	40.8	82.9	29.65	0	10/1/2011 07:00
1.5	234.6	41.3	80.7	29.68	0	10/1/2011 08:00

2	214.3	45.1	73.5	29.7	0	10/1/2011 09:00
2.5	126.3	50.7	64	29.71	0	10/1/2011 10:00
3	162.8	55.2	55.1	29.73	0	10/1/2011 11:00
3.4	160.3	57.3	49.5	29.72	0	10/1/2011 12:00
3.8	141	59.5	45.9	29.71	0	10/1/2011 13:00
3.7	186.3	61.7	41.7	29.69	0	10/1/2011 14:00
3.7	213.7	63.2	37.6	29.67	0	10/1/2011 14:00
3.6		64				
	111.4		34.5	29.66	0	10/1/2011 16:00
3.6	234	62.4	35.4	29.65	0	10/1/2011 17:00
2.9	237.7	61.3	37.1	29.65	0	10/1/2011 18:00
2.2	237.1	58.8	40.9	29.65	0	10/1/2011 19:00
1.1	237.9	55.4	45.9	29.66	0	10/1/2011 20:00
0.8	249.7	52.9	49.7	29.66	0	10/1/2011 21:00
0.7	247.6	51.1	53.4	29.67	0	10/1/2011 22:00
0.6	146.7	47.6	60.6	29.67	0	10/1/2011 23:00
0.6	70.8	45.6	65.2	29.67	0	10/2/2011 00:00
0.6	169.5	43.1	73.6	29.67	0	10/2/2011 01:00
0.6	25.3	40.7	79.6	29.67	0	10/2/2011 02:00
0.6	184.4	39.6	83.1	29.68	0	10/2/2011 03:00
0.6	248.2	38	85.6	29.68	0	10/2/2011 04:00
0.6	245.2	37.2	87.2	29.68	0	
0.6	243.2					10/2/2011 05:00
		36.3	88.3	29.68	0	10/2/2011 06:00
0.6	191.7	36.1	89.6	29.69	0	10/2/2011 07:00
0.6	256.7	38.6	90	29.7	0	10/2/2011 08:00
1	231	45.5	73.8	29.71	0	10/2/2011 09:00
1.8	157.2	52.4	61.9	29.72	0	10/2/2011 10:00
2.1	187.4	58	54	29.73	0	10/2/2011 11:00
3.2	225	60.6	45.4	29.71	0	10/2/2011 12:00
3.3	223.7	63.5	37.8	29.7	0	10/2/2011 13:00
2.9	223.6	66.4	31.3	29.67	0	10/2/2011 14:00
2.8	225.9	67.7	27.2	29.65	0	10/2/2011 15:00
2.5	225.1	68.4	23.1	29.63	0	10/2/2011 16:00
2.3	226.8	66.9	24.6	29.61	0	10/2/2011 17:00
1.2	220	63.8	34.3	29.61	0	10/2/2011 18:00
0.6	230.6	58	44.9	29.6	0	10/2/2011 19:00
0.6	234.8	53.6	56	29.61	0	10/2/2011 20:00
0.6	244.7	51.5	61.9	29.61	0	10/2/2011 21:00
0.6	241.7	50.2	65.2	29.6	0	10/2/2011 22:00
0.6	243.9	48.9	67	29.6	0	10/2/2011 22:00
0.6	245.9	47.2	71	29.6	0	10/3/2011 23:00
0.6	247.3	45	76.7	29.6	0	
						10/3/2011 01:00
0.6	145.1	44.2	79.6	29.61	0	10/3/2011 02:00
0.6	184	42.6	83	29.6	0	10/3/2011 03:00
0.6	216.4	42.1	82.6	29.6	0	10/3/2011 04:00
0.6	247	42	80.8	29.61	0	10/3/2011 05:00
0.6	207.8	41.6	80.4	29.62	0	10/3/2011 06:00
0.6	217.6	41.5	81.7	29.63	0	10/3/2011 07:00

0.6	265.8	44	77.7	29.65	0	10/3/2011 08:00
0.8	228.3	52.2	62.7	29.66	0	10/3/2011 09:00
1.6	221.9	61.4	45.1	29.67	0	10/3/2011 10:00
1.9	214.7	67.7	34.9	29.68	0	10/3/2011 11:00
2	168.2	71.5	31	29.67	0	10/3/2011 12:00
2.5	230.6	73.1	28.8	29.65	0	10/3/2011 13:00
2.5	208.1	75.1	26.5	29.63	0	10/3/2011 14:00
2.7	217	75.8	26.9	29.61	0	10/3/2011 15:00
2.2	213.8	76.1	27.1	29.6	0	10/3/2011 16:00
1.6	226.4	73.3	31.9	29.6	0	10/3/2011 17:00
0.8	219.7	69.5	39.1	29.6	0	10/3/2011 18:00
0.6	243.2	64.6	47.7	29.6	0	10/3/2011 19:00
0.6	257.6	59.2	59.4	29.6	0	10/3/2011 20:00
0.6	193.8	56.4	66.9	29.61	0	10/3/2011 21:00
0.6	229.6	53.9	76.7	29.61	0	10/3/2011 22:00
0.6	188.8	52	78.5	29.62	0	10/3/2011 23:00

## Taylorville Met Data December 2011

em Date	WS (MPH)		WD (Deg	<u>;</u> )	AT (Deg	F)	RH (%)		BP ("Hg)		RN (in)		
-											~~~~		
-		0.00				25.00		74.00		20.02		0.01	
6		0.60		359.60		35.80		74.90		30.02		0.01 0.00	
7		0.60		327.10		30.50		73.90		29.99			
8		0.70		324.80		34.00		69.90		30.06		0.00	
9		1.10		51.70		28.80		68.00		30.21		0.02	
10		1.00		216.50		23.40		67.60		30.37		0.00	
11		1.10		196.00		31.50		70.80		30.28		0.01	
12		0.70		170.00		37.20		62.80		30.23		0.00	
13		0.70		188.20		41.70		88.80		30.20		0.15	
14		2.40		205.50		51.40		90.10		29.84		0.53	
15		3.20		230.20		54.60		89.00		29.70		0.11	
	)												
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	,										-=		
	5												
	3												
	)												
30	)												
31	L												
Sum		 15.1				 -126.2	200	 5.6 5		8.64		0.83	
Average		1		 329.8		 -8.4		 133.7		33.91		0.06	
 Maximum		 3.2				 54.6		 249.9		41.55		0.53	
Date		15				15		1		1		14	
Minimum		0.6	ò			-99		62.8		29.7		0	
Date		1	L			1	L	12		15		1	
Standard # above				N									
Valid		48%	 0	 48%	6	48%	, ,	 48%		 48%		48%	

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# Taylorville Febuary to March 2012 Weather Data

	Febuary												
	WS (MPH)	WD (Deg)	AT (Deg	RH F) (%)			RN (in)						
5													
6													
7													
8													
9													
10													
11													
12													
13													
					-								
					-								
					-								
				24 5	-			0.01					
	4.4 2 2.0 2		79.8	34.5	58.5	29.89		0.01					
	2.0 2 1.8 2		59.1 16.9	29.6 43.2	60.8 52.7	30.1 30		0					
	1.5 3		57.8	43.2 39.4	48.4	30.24		0 0					
	2.0 1		40	44.4	48.4 62.3	30.24		0					
	4.3 2		40 67.6	55.9	52.6	29.54		0					
 Sum	16.	6		 93	- 65.4	210.02		0.02					
					-								
Average	2.4 2			45.1	52.2	30		0					
Maximum	4.	.4		69	62.3	30.25		0.01					
Date	2			17	28	17		17					
Minimum				29.6		29.54		0					
Date	1			25	17	29		25					
Standard # above					-								
Valid	24	%		24%	- 24%	24%		24%					

							Ma	rch				
	WS (MPI	 H)	WD (Deg)		AT (Deg l		RH (%)		вР ("Hg)	RN (in)		
1	1.8	2		18.2		43.8		58.9	29.6	7	0	
2	3.1	2		46.9		42.7		78.4	29.4	3	0.31	
3	3.0	2		81.2		32.5		69.8	29.7	3	0.01	
4	1.4	2		89.2		30.5		75	29.	8	0	
5	1.1	2		38.2		31.9		69.2	30.1	6	0.14	
6	2.7	2		29.1		53.6		48.1	29.9	5	0	
7	3.2	2		30.5		59.3		52.9	29.9	1	0	
	<u> </u>											
30												
31												
Sum		 16.4			294.3	3 4		52.3	208.6	54	0.46	
Average	2.3	2		47	,	42		64.6	5 29.8	31	0.07	
Maximum		3.2	)			59.3	5	78.4	a 30.2	16	0.31	
Date			7			7		2		5	2	
Minimum		1.1	L			30.5	5	48.1	L 29.4	13	0	
Date			5				¢ 	6		2	1	
Standard # above												
Valid		23%	<b></b>	23%	6 	23%		23%	6 23	 	23%	

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APPENDIX E

ANALYTICAL RESULTS (on CD)



APPENDIX F

ANALYTICAL DATA VALIDATION REPORTS

	Radiellos				Tavlorville: 1009087	
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	No	Comments	-
		Must meet the criteria listed in table 3	;			_
	Inter- laboratory consistancy	01 Metriod 10-13 Even 24 hours	< ×		Tune nerformed on 9/7/10 @ 0917	_
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	×		9 standards prepared	
		The low standard must be ≤ reporting limit	×			
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	×			
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	×		LCS serves as 2nd source	· · ·
		Std should be at the mid point	×			
		All target analyts must be present	×		all target analytes present	
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	×		performed 9/7/10 @ 0930	
		Must meet the criteria in Section 10.6 of the method	×			
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	×			
		Must meet the criteria in Section 10.7 of the method	×			
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	×			
		Different source that the calibration standard source	×			
		Should be at least at the mid-point of the initial calibration curve	×			
	• :	Must contain all the target analytes	×			
		Must meet the criteria in Section 11.4 of the method	×			
Samole Replicates	Method Precision	<ol> <li>Duplicate analyzed every 20 samples, preferably a sample with analytes</li> </ol>		×	Not Indicated/Unnecessary	
		Matrix Spike/Matrix Spike Duplicate meet Criteria			Not Indicated/Unnecessary	
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	×			
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)		×	1 IS used	
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	×			
		Surrogate Recoveries	×			_

Quantitation		Based on the IS (section 10.8.4 of method)	×	
		The IS used for Quantitation must be IS closest to the eluting Peak	×	
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	×	
1. 1. 1.		If below RL reported as ND	×	
		If a dilution is performed. Highest detetected analyte must be in the upper half of the calibration curve unless a single analyte is so high as		
		to saturate the detectoy Compounds exceeding the range should be flagged with an "F"	×	No "F's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		Not Indicated
Chain of Custody	signed		×	
	dated		×	
	Temp (°C)		×	
	Custody Seal on Samples		×	
Sample Holding Times	Collected		×	
	Received		×	
	Extracted		×	
	Analyzed		×	

	Radiellos				Tavlorville: 1009189
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	٥N	Comments
	DEGREE AND THE REPORT OF A DEGREE AND THE				
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	×		All Criteria Met
		Every 24 hours	×		Tune performed on 9/20/10, Samples Analyzed 9/20/10
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	×		9 Standards Used
		The low standard must be ≤ reporting limit	×		
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	×		Ethanol Spike Failed % Recovery High
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	×		LCS Serves as 2nd Source
		Std should be at the mid point	×		
		All target analyts must be present	×		All Target Analytes Present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	×		Ccal Performed on 9/20/10 @ 0947 prior to sample analysis
		Must meet the criteria in Section 10.6 of the method	×		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	×	2 10	Method Blank Analyzed 9/20/10 @ 1103 prior to sample analysis
		Must meet the criteria in Section 10.7 of the method	×		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	×		LCS Analyzed 9/20/10 @ 1017 prior to sample analysis
1000		Different source that the calibration standard source	×		
		Should be at least at the mid-point of the intial calibration curve	×		
		Must contain all the target analytes	×	4	All Target Analytes Present
		Must meet the criteria in Section 11.4 of the method	×		
		1 - Duplicate analyzed every 20 samples, preferably a sample with			
cample replicates		Matrix Spike/Matrix Spike Duplicate			
		Analyze per section 10.8 must meet	;		
oditiple Attalysis	Results	Laboratory must use a minimum of 3	<		
Internal standards (IS)	Analytical and method accuracy for Matrix	IS ata retention times across the GC run (Section 9.2.2.3)		×	1 IS Used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	×		
		Surrogate Recoveries	×		

		Daniel an the IC (section 40 C 4 - C		
Quantitation		based on the IS (section 10.0.4 of method)	×	
		The IS used for Quantitation must be IS closest to the eluting Peak	×	
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	×	
	•	If below RL reported as ND	×	
		If a dilution is performed- Highest		
	•	detetected analyte must be in the upper half of the calibration curve		
		unless a single analyte is so high as to saturate the detectoy	×	
		Compounds exceeding the range should be flagged with an "E"		No "E's" Indicated
		Should be performed Annually.		
Method detection Limit Study	System sensitivity	MDL's should be ≤0.5 ppbv		Not Indicated
Chain of Custody	signed		×	
	dated		×	
	Temp (°C)		×	
	Custody Seal on Samples		×	
Sample Holding Times	Collected		×	
	Received		×	
	Extracted		×	
	Analyzed		×	

Ity Objective         Performance Standard         Yes         No           sistancy         Must meet the criteria listed in table 3         x         No           sistancy         Every 24 hours         x         Tune 6           Every 24 hours         Every 24 hours         x         Tune 6           accuracy         Section 5 of the method         x         12 Sta           Must meet acceptance oriteria in table 3         x         12 Sta           accuracy         Section 10, 5 6 of the method         x         12 Sta           method         Each OLAL must be verified against a         x         LCCS S           second source         Each Old L must be verified against a         x         All target analytis must be present           Second source         Second source         Second source         X         All target analytis must be present           All target analytis must be present         x         X         All target analytis must be present           All target analytis must be present         x         All target analytis must be present         X           All target analytis must be present         x         All target analytis must be present         X           All target analytis must be present         x         All target analytis analytes         X <th></th> <th>Radiellos</th> <th></th> <th></th> <th>Tavlorville: 1011431B</th> <th>1011431B</th>		Radiellos			Tavlorville: 1011431B	1011431B
EB (4-Efformofbuocobencene)         Inter- laboratory consistancy         Mast meet the criteria listed in table 3         X         X           EB (4-Efformofbuocobencene)         Inter- laboratory analytical accuracy         Every 24 bluss         X	TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Н		Comments
Electronomiconomic inter-laboratory Consistancy         Must met the criteria listed in table 3         x         x           Laboratory analytical accuracy         Every 24 hours         X         x         x           Laboratory analytical accuracy         Every 24 hours         X         x         x           Laboratory analytical accuracy         Every 24 hours         X         x         x           Laboratory analytical accuracy         Each ICAL must be varified against a         x         x         x           Laboratory analytical accuracy         Each ICAL must be varified against a         x						
Every 24 hours         X         X           Laboratory analytical accuracy         Minimum of 5 standards prepared per         X         X           Laboratory analytical accuracy         Minimum of 5 standards prepared per         X         X           Laboratory analytical accuracy         Nust meet acceptance of the method         X         X           Mast meet acceptance of the method         Nust meet acceptance of the method         X         X           Laboratory analytical accuracy         Each 10.5 6 of the method         X         X           Laboratory analytical accuracy         Each 10.5 6 of the method         X         X           Laboratory analytical accuracy         Each 10.5 6 of the method         X         X           Iario of the method         Each 10.5 6 of the method         X         X           Iario of the method         Each 10.5 6 of the method         X         X           Iario of the method         Each 10.5 6 of the method         X         X           Iario of the method         Each 10.5 6 of the method         X         X           Iario (ICCAL)         Laboratory contamination Every 24 nous prof to turning samples         X         X           Laboratory method accuracy         Must meet the criteria in Section 10.7 X         X         X	GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	eria lísted in table	×	All Criteria Met	
Iaboratory analytical accuracy     Minimum of S and addird must be s reporting     X     X       Iaboratory analytical accuracy     The low standard must be s reporting     X     X       Immit     Mist meet acceptance citreria in method     Section 10.5.5 and 10.5.6 of the method     X     X       Iaboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X     X     X       Iaboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X     X     X       Iaboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X     X     X       Iaboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X     X     X       Iaboratory analytical accuracy     Section 10.5.7 to running sector 5 hours prior to running     X     X     X       Iaboratory contamination Evaluation     Every 2 hours prior to running sector 5 hours prior to running sector 5 hours prior to running     X     X     X       Iaboratory method accuracy     Every 2 hours prior to running sector 5 hours prior to running     X     X     X       Iaboratory method accuracy     Every 2 hours prior to running     X     X     X       Iaboratory method accuracy     Every 2 hours prior to running section 10.7 X     X     X       Iaboratory method accuracy     Inferent the criteria in Section 10.7 X     <			Every 24 hours	×	Tune performed 11	/22/10 prior to sample analysis
The low standard must be s reporting     The low standard must be s reporting     X       dard     Laboratory analytical accuracy     Section 10.5.6 and to 5.6 of the method     X       and     Laboratory analytical accuracy     Each IOAL must be verified against a x     X       and (CCAL)     Laboratory analytical accuracy     Each IOAL must be verified against a x     X       and (CCAL)     Laboratory analytical accuracy     Each IOAL must be verified against a x     X       I aboratory analytical accuracy     Each IOAL must be verified against a x     X     Y       I aboratory analytical accuracy     Each IOAL must be reflected in Section 10.5     X     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y     Y       I aboratory contamination     Every 24 hours prior to running annees     X     Y	Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	×	12 Standards prepa	ared
Must meet acceptance Criteria in method         Must meet acceptance Criteria in method         Must meet acceptance Criteria in method         Must meet acceptance         Must method         Must Second source         Must Second 10, 7         Must Second 11, 4         Must Seco		A Contraction of the Contraction	The low standard must be s reporting limit	×		
dard     Laboratory analytical accuracy     Each ICAL must be verified against a     x     x       and CCAL)     Laboratory analytical accuracy     second source     second source     x     x       and CCAL)     Laboratory analytical accuracy     second source     second source     x     x       and It and catory analytical accuracy     second source     second source     x     x       and CCAL)     Laboratory analytical accuracy     samples     x     x     x       Laboratory method accuracy     for the method     of the method     x     x       Most     Everyday prior to running samples     x     x     x       In the method     for the method     of the method     x     x       In the find of or     for the method     x     x     x       In the intell of or the method     for the method     x     x     x       In the intell of or the method     for the method     x     x     x       In the intell of or the method     for the method     x     x     x       In the intell of or the method     for the method     x     x     x       In the intell of or the method     for the method     x     x     x       In the intell of or the method     for the method <td< td=""><td></td><td></td><td>Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method</td><td></td><td></td><td></td></td<>			Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method			
Every 24 hours prior to running     X       Iard (CCAL)     Laboratory analytical accuracy     Every 24 hours prior to running     X       Every 24 hours prior to running     X     X       Instruction     Every 24 hours prior to running     X       Every 24 hours prior to running     X     X       Instruction     Every 24 hours prior to running     X       Instruction     Every 24 statter     X       Instruction     Every 25 stamples     X       Instruction     Every 26 standing     X       Instreated the criteria in Section 114     X <t< td=""><td>ICAL verification Standard</td><td>Laboratory analytical accuracy</td><td>Each ICAL must be verified against a second source</td><td>×</td><td>LCS Serves as 2nd</td><td>d source</td></t<>	ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	×	LCS Serves as 2nd	d source
All larget analyts must be present     X       lard (CCAL)     Laboratory analytical accuracy     Every 24 hours prior to turming     X       lard (CCAL)     Laboratory analytical accuracy     Every 24 hours prior to turming     X       larget analytical accuracy     Must meet the criteria in Section 10.6     X     X       larget analytical accuracy     Every 20 samples     X     X       Laboratory method accuracy     Every 20 samples     X     X       Laboratory method accuracy     Must meet the criteria in Section 10.7     X     X       mple     Laboratory method accuracy     Must meet the criteria in Section 10.7     X     X       mple     Laboratory method accuracy     Must meet the criteria in Section 10.7     X     X       mple     Laboratory method accuracy     Must meet the criteria in Section 11.4     X     X       Method Precision     Must meet the criteria in Section 11.4     X     X       Method Precision     Must meet the criteria in Section 11.4     X     X       Method Precision     Must meet the criteria in Section 11.4     X     X       Method Precision     Must meet the criteria in Section 11.4     X     X       Method Precision     Must meet the criteria in Section 11.4     X     X       Method Precision     Must meet the criteria in Sec			Std should be at the mid point	×		
Iard (CCAL)       Laboratory analytical accuracy       Every 24 hours prior to running       x       x         Indef (CCAL)       Laboratory analytical accuracy       Must meet the criteria in Section 10.5       x       x         Indef (CCAL)       Laboratory contamination Everyday prior to running samples       x       x       x         Indef (CCAL)       Laboratory contamination Everyday prior to running samples       x       x       x         Indef (CCAL)       Laboratory method accuracy       Must meet the criteria in Section 10.7       x       x         Indef (CCAL)       Laboratory method accuracy       Must meet the criteria in Section 10.7       x       x         Indef (CCAL)       Laboratory method accuracy       Must meet the criteria in Section 10.7       x       x         Indef (CCAL)       Laboratory method accuracy       Different source that the criteria in Section 10.7       x       x         Indef (CCAL)       Different source that the criteria in Section 10.7       x       x       x         Indef (CCAL)       Different source that the criteria in Section 10.7       x       x       x         Indef (CCAL)       Different source that the criteria in Section 10.7       x       x       x       x         Indef (CCAL)       Different source that the criteria in Section 10.7			All target analyts must be present	×	All target analytes p	present
Must meet the criteria in Section 10.5     X       Itaboratory contamination     Everyday prior to running samples     X       Itaboratory method     Must meet the criteria in Section 10.7     X       Itaboratory method accuracy     Must meet the criteria in Section 10.7     X       Itaboratory method accuracy     Must meet the criteria in Section 11.7     X       Itaboratory method accuracy     Inthe method     X     X       Itaboratory method accuracy     Inthe method     X     X       Itaborator     Inthe method     X     X     X       Itaborator     Inthe method     Inthe method     X     X       Itaborat	Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	×	Performed 11/22/10	0 @ 1129 prior to sample analysis
Laboratory contamination     Everyday prior to running samples     X       Imple     Laboratory contamination     Every 20 samples or weekly     X       Imple     Laboratory method accuracy     Munichever is more frequent     X       Imple     Laboratory method accuracy     Munichever is more frequent     X       Imple     Laboratory method accuracy     Munichever is more frequent     X       Imple     Laboratory method     Munichever is more frequent     X       Imple     Number is a couracy     Munichever is more frequent     X       Imple     Number is a couracy     Munichever is more frequent     X       Imple     Number is a couracy is a mile analytics     X     X       Imple     Nust meet the criteria in Section 11.4     X     X       Imple     Nust meet the criteria in Section 11.4     X     X       Imple     Nust meet the criteria in Section 11.4     X     X       Imple     Nust meet the criteria in Section     X     X       Imple     Nust meet the criteria in Section     X     X       Imple     Nust meet the criteria in Section     X     X       Imple     Nust meet the criteria in Section     X     X       Imple     Nust meet the criteria in Section     X     X       Imple		1.10	Must meet the criteria in Section 10.6 of the method	×		
must meet the criteria in Section 10.1     must meet the criteria in Section 10.1       mple     Laboratory method accuracy     Every 20 samples or weekly     X       michever is more frequent     Ninichever is more frequent     X       michever is more frequent     Ninichever is more frequent     X       michever is more frequent     Should be at least at the mid-point of     X       must contain all the target analytes     X     X       must contain all the target analytes     X     X       must contain all the target analytes     X     X       method     Nust contain all the target analytes     X       must contain all the criteria in Section 11.4     X       method     1 - Duplicate analytes     X       method     1	Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	×	Ran 11/22/10 @ 15	501 prior to sample analysis
mple     Laboratory method accuracy     Every 20 samples or weekly     x     x       minichever is more frequent     x     x     x       multichever is more frequent     x     x     x       multichever is more frequent     x     x     x       method     method     x     x     x       method     1- Duplicate analytes     x     x       matrix Spike Duplicate     x     x       matrix Spike Duplicate     x     x       matrix <td></td> <td></td> <td>Must meet the criteria in Section 10.7 of the method</td> <td>×</td> <td></td> <td></td>			Must meet the criteria in Section 10.7 of the method	×		
Different source     Different source     ×       standard source     standard source     ×       standard source     Should be at least at the mid-point of     ×       he initial calibration curve     Nuest contain all the target analytes     ×       must contain all the target analytes     ×     ×       must contain all the target analytes     ×     ×       must contain all the target analytes     ×     ×       method     of the method     1 - Duplicate analytes     ×       matrix Spike/Matrix Spike Duplicate     ×     ×       matrix     matrix Spike/Matrix Spike Duplicate     ×       matrix     analyze per section 10.8 must meet     ×       Analytical and method accuracy for Matrix     Nuest meet the Criteria     ×       Analytical and method accuracy for Matrix     10.8.5 of the method     ×       Must meet the Criteria in Sections     ×     ×	Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	×	Ran 11/22/10 @ 14	116 prior to sample analysis
Final Containant     Should be at least at the mid-point of the initial calibration curve     X       Image: Should be at least at the mitial calibration curve     X     X       Image: Should be at least at the mitial calibration curve     X     X       Image: Should be at least at the mitial calibration curve     X     X       Image: Should be at least at the mitial calibration curve     X     X       Image: Should be at least analytes     X     X       Image: Should be at least at the miting and the states analytes     X       Image: Should be at least at the criteria in Section states and the states at a states at the states at a stat a states at a states at a			Different source that the calibration standard source	×		
Must contain all the target analytes     X       Must contain all the target analytes     X       Must meet the criteria in Section 11.4     X       of the method     of the method       in Publicate analyzed every 20     sample with       method     1 - Duplicate analyzed every 20       samples     preferably a sample with       method     nalytes       method     method       results     Matrix Spike/Matrix Spike Duplicate       Results     acceptatione criteria of 10.8 must meet       Analytical and method accuracy for Matrix     Since analytes are anon information of 3       in Must meet the Criteria     in Section 3.2.3)       in Nust meet the Criteria in Sections     x       Must meet the Criteria     x       Analytical and method accuracy for Matrix     Must meet the Criteria in Sections       in Saterone     Must meet the Criteria in Sections       in Saterone     X       Must meet the Criteria     X			Should be at least at the mid-point of the initial calibration curve	×		
Must meet the criteria in Section 11.4     X       of the method     of the method       in Publicate analyzed every 20     sample with       method     recision       Method Precision     analytes       Method Precision     Matrix Spike/Matrix Spike Duplicate       Matrix Spike/Matrix Spike Duplicate     X       Analyze Pre rection 10.8 must meet     X       Analyze Pre rection 10.8 must meet     X       Analyzel and method accuracy for Matrix     In (Section 9.2.2.3)       Must meet the Criteria in Sections     X			Must contain all the target analytes	×	All target analytes p	bresent
1 - Duplicate analyzed every 20       Method Precision       Method Precision       Method Precision       Matrix Spike/Matrix Spike Duplicate       Matrix Spike/Matrix Spike Duplicate       Method Precision       Results       Laboratory must use a minimum of 3       S at retention times across the GC       Analytical and method accuracy for Matrix       Must meet the Criteria in Sections       Nust meet the Criteria in Sections       Nust meet the Criteria in Sections       Nust meet the Criteria in Sections       Nust meet the Criteria in Sections       Nust meet the Criteria in Sections       Nust meet the Criteria in Sections       Surrogate Recoveries			Must meet the criteria in Section 11.4 of the method	×		
Matrix Spike/Matrix Spike/Matrix Spike Duplicate     X       meet Criteria     X       meet Criteria     X       Results     Analyze per section 10.8 must meet       Laboratory must use a minimum of 3     Laboratory must use a minimum of 3       IS at run (Section 9.2.2.3)     X       Analytical and method accuracy for Matrix     Must meet the Criteria in Sections       Must meet the Criteria in Sections     X       Surrogate Recoveries     X	Sample Replicates	Method Precision	<ol> <li>Duplicate analyzed every 20 samples, preferably a sample with analytes</li> </ol>			cessary
Results     Analyze per section 10.8 must meet     X       Results     accepatance criteria of 10.8     X       Is at retention times across the GC     Is at retention times across the GC     X       Analytical and method accuracy for Matrix     Must meet the Criteria in Sections     X       In 0.8.4 and 10.8.5 of the method     X     X       Surrogate Recoveries     X     X			Matrix Spike/Matrix Spike Duplicate meet Criteria			teessary
Laboratory must use a minimum of 3         Analytical and method accuracy for Matrix         Nust meet the Criteria in Sections         10.8.4 and 10.8.5 of the method         X         Surrogate Recoveries	Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	×		
-+	Internal standards (IS)		Laboratory must use a minimum of 3 IS at retention times across the GC run (Section 9.2.2.3)	^		Used
			Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	×		
			Surrogate Recoveries	×		

Quantitation		Based on the IS (section 10.8.4 of method)	×	
		The IS used for Quantitation must be IS closest to the eluting Peak	×	
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	×	
		If below RL reported as ND	×	
		If a dilution is performed- Highest detetected analyte must be in the		
	1.	upper half of the calibration curve		
		unless a single analyte is so high as to saturate the detectoy	×	
		Compounds exceeding the range should be flagged with an "E"	×	( No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv	×	
Chain of Custody	signed		×	
	dated		×	
	Temp (°C)		×	
	Custody Seal on Samples		×	
Sample Holding Times	Collected		×	
	Received		×	
	Extracted		×	
	Analyzed		×	

TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes No	Comments
			╞	
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15		
		Every 24 hours		
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method		
		The low standard must be s reporting limit		
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method		
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source		
	<u>1</u>	Std should be at the mid point		
		All target analyts must be present		
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples		
		Must meet the criteria in Section 10.6 of the method		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples		
		Must meet the criteria in Section 10.7 of the method		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent		
	and the second se	Different source that the calibration standard source		
		Should be at least at the mid-point of the intial calibration curve		
		Must contain all the target analytes		
		Must meet the criteria in Section 11.4 of the method		
Sample Replicates	Method Precision	<ol> <li>Duplicate analyzed every 20 samples, preferably a sample with analytes</li> </ol>		
		Matrix Spike/Matrix Spike Duplicate meet Criteria		
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)		
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method		
		Surrogate Recoveries		

Ousantitation		Based on the IS (section 10.8.4 of		
		The IS used for Quantitation must be IS closest to the eluting Peak		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)		
		If below RL reported as ND		
		If a dilution is performed- Highest detetected analyte must be in the		
	4	upper half of the calibration curve unless a single analyte is so high as		
		to saturate the detectoy		
		Compounds exceeding the range		
		Should be performed Annually.		
Method detection Limit Study	System sensitivity	MDL's should be ≤0.5 ppbv		
Chain of Custody	signed			
	dated			
	Temp (°C)		Not	Not indicated/unnecessary
	Custody Seal on Samples			
Sample Holding Times	Collected			
	Received			
	Extracted		Not	Not indicated/unnecessary.
	Analyzed			

	TO-15A			Taylon/illo: 4008734
T0-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes No	
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	×	All criteria met
		Every 24 hours	×	Tune on 9-8-10, Samples Analyzed 9-8-10
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	×	7 Standards prepared
		The low standard must be s reporting limit	×	Low standard = 0.300, RL = 0.67
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	×	All criteria met
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	×	LCS serves as 2nd source
		Std should be at the mid point	×	
		All target analyts must be present	×	All present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	×	CCAL performed on 9-8-10 @ 0831
		Must meet the criteria in Section 10.6 of the method	×	All criteria met
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	×	Method Blank Analyzed on 9-8-10 @ 1156
		Must meet the criteria in Section 10.7 of the method	×	
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	×	
		Different source that the calibration standard source	×	
		Should be at least at the mid-point of the initial calibration curve	×	
		Must contain all the target analytes	×	All target analytes present
		Must meet the criteria in Section 11.4 of the method	×	-
		1 - Duplicate analyzed every 20 samples, preferably a sample with	;	
Sample Replicates		anarytes Matrix Spike/Matrix Spike Duplicate	< :	Not indicated/unnecessary
		Analyze per section 10.8 must meet	×	Not indicated/unnecessary
Sample Analysis	Results	accepatance criteria of 10.8	×	
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)	×	3 Internal standards used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	×	
	The second secon	Surrogate Recoveries	×	

Quantitation		Based on the IS (section 10.8.4 of method)	×		
		The IS used for Quantitation must be IS closest to the eluting Peak	×		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	×		
	And the second se	lf below RL reported as ND	×		
	· * ) 540 (**)	If a dilution is performed- Highest detetected analyte must be in the			
	-÷	upper nair of the calibration curve unless a single analyte is so high as to saturate the detectov	×		
		Compounds exceeding the range should be flagged with an "E"	×		No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		×	Not Indicated
			>		
	signed dated		< ×		
	Temp (°C)			×	Not indicated/unnecessary
	Custody Seal on Samples			×	No custody seals present
Sample Holding Times	Collected		×		
	Received		×		
	Extracted			×	Not indicated/unnecessary.
	Analyzed		×		

Concriteria         Data Quality Objective         Performance Standard         Yes         Yes           Inter- laboratory consistancy         Must meet the criteria listed in lable 3         X         X         X           Inter- laboratory analytical accuracy         Must meet the criteria listed in lable 3         X         X         X           Inter- laboratory analytical accuracy         Must meet the criteria listed in lable 3         X         X           Indiand         Laboratory analytical accuracy         Must meet acceptance criteria in Must meet acceptance criteria in Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the X         X         X           Indiand         Laboratory analytical accuracy         Section 10.5.5 and 10.5.6 of the X         X         X           Indiand         Laboratory analytical accuracy         Section 10.5.5 and 10.5.6 of the X         X         X           Indiand         CCAL)         Laboratory analytical accuracy         Section 10.5.5 and 10.5.6 of the X         X           Indiand         CCAL)         Laboratory analytical accuracy         Section 10.5.5 and 10.5.6 of the X         X           Indiand         CCAL         Section 10.5.5 and 10.5.6 of the method         X         X           Indiand         CCAL         Section 10.5.7 and 10.5.6 of the method         X         X <th>Data Quality Objective Inter- laboratory Consistancy Laboratory analytical accuracy</th> <th>Performance Standard eet the criteria listed in table 3</th> <th><math display="block">\left  + \right  +</math></th> <th>Comments</th>	Data Quality Objective Inter- laboratory Consistancy Laboratory analytical accuracy	Performance Standard eet the criteria listed in table 3	$\left  + \right  +$	Comments
IFFB (4-Elocnofucorbenzente)     Inter: laboratory Consistancy     Must meet the criteria listed in table 3     X       Inter: laboratory analytical accuracy     Every 24 hours     X       Iaboratory analytical accuracy     Reinformin of 5 standards prepared per X     X       Iaboratory analytical accuracy     Reinformin of 5 standards prepared per X     X       Iaboratory analytical accuracy     Reinforment of 5 standards prepared per X     X       Iaboratory analytical accuracy     Reinform of 5 standards prepared per X     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory contamination Every 24 hours prior to running     X     X       Iande     Std should be at the mid point     X     <	Inter- laboratory Consistancy Laboratory analytical accuracy	eet the criteria listed in table 3		·
Every 24 hours     Every 24 hours     X       Iaboratory analytical accuracy     Beclion 5 of the method     X       Iaboratory analytical accuracy     Section 5 of the method     X       Iaboratory     Inhimum of 5 standards prepared per Inne low standard must be s reporting     X       Iaboratory     Inhoust meet acceptance criteria in method     X       Iaboratory     Inhoust meet acceptance criteria in method     X       Iandard     Laboratory analytical accuracy     Each ICAL must be verified against a second source     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical accuracy     Interpoint     X       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     X       Iandard (CCAL)     Laboratory analytical acc	k	od TO-15	×	All criteria met
Image: CCAL)     Laboratory analytical accuracy     Minimum of 5 standards prepared per x     x       Laboratory analytical accuracy     Section 5 of the method     x       Image: CCAL)     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method       Iandard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method       Iandard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method       Iandard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method       Iandard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method       Iandard     Laboratory analytical accuracy     Section 10.5.6 of the method       Iandard     Laboratory analytical accuracy     Section 10.5.6 of the method       Iandard (CCAL)     Laboratory analytical accuracy     Section 10.7       Iandare (CCAL)     Laboratory contamination		4 hours	×	Tune performed on 9-16-10 @ 0831, Samples Analyzed 9- 16-10 post 0831
The low standard must be 5 reporting initi.       The low standard must be 5 reporting initi.       X         fandard       Rection 10.5.5 and 10.5.6 of the initiation in the 5 cond of the action 10.5.5 and 10.5.6 of the initiation in the factor of the initiation in the initiatin the initintiatine initiation in the initiation in the initiatin	The low limit Must m Section	m of 5 standards prepared per 5 of the method	×	7 Standards prepared
Must meet acceptance criteria in landard     Must meet acceptance criteria in method     X       landard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X       landard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X       andard     Laboratory analytical accuracy     Section 10.5.5 and 10.5.6 of the method     X       andard     Laboratory analytical accuracy     Section 10.5.7 and Nust meet the criteria in Section 10.6     X       andard     Laboratory contamination     Every 24 hours prior to running Samples     X     X       Laboratory contamination     Every 24 hours prior to running Samples     X     X       Laboratory method accuracy     Intermethod for the method     X     X       Sample     Laboratory method accuracy     Every 20 samples or weekly     X       Laboratory method accuracy     Nust method     X     X       Sample     Laboratory method accuracy     Intermethod     X     X       Laboratory method accuracy     Nust method     X     X     X       Sample     Laboratory method accuracy     Nust method     X     X       Sample     Laboratory method accuracy     Nust method     X     X       Sample     Laboratory method accuracy     Nust method     X     X <td>Must m Section</td> <td>/ standard must be ≤ reporting</td> <td>×</td> <td>Low standard = 0.30000</td>	Must m Section	/ standard must be ≤ reporting	×	Low standard = 0.30000
Iandard     Laboratory analytical accuracy     Each ICAL must be verified against a x       Iandard     Laboratory analytical accuracy     Std should be at the mid point     x       Iandard (CCAL)     Laboratory analytical accuracy     Std should be at the mid point     x       Iandard (CCAL)     Laboratory analytical accuracy     samples     x     x       Iandard (CCAL)     Laboratory analytical accuracy     samples     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior to running     x     x       Iandard (CCAL)     Laboratory contamination     Every 24 hours prior t	method	eet acceptance criteria in 10.5.5 and 10.5.6 of the	×	All criteria met
And and (CCAL)     Std should be at the mid point     X       andard (CCAL)     Laboratory analytical accuracy     Every 24 hours prior to running     X       andard (CCAL)     Laboratory analytical accuracy     Every 24 hours prior to running     X       andard (CCAL)     Laboratory contamination     Nust meet the criteria in Section 10.6     X       andered (CCAL)     Laboratory contamination     Every 24 mouts prior to running     X       ample     Laboratory contamination     Nust meet the criteria in Section 10.6     X       ample     Laboratory contamination     Every 20 samples or weekly     X       ample     Laboratory method accuracy     Must meet the criteria in Section 10.7     X       annot     Must meet the criteria in Section 10.7     X     X       Ample     Every 20 samples or weekly     X     X       Ample     Every 20 samples or weekly     X     X       Ample     Every 20 samples or weekly     X     X       Ample     Internation curve     X     X       Ample     Must contrain all the target analytes     X       Ample     Must contain all the target analytes     X       Ample     Must contain all the anglet analytes     X       Ample     Must contain all the anglet analytes     X       Ample     A		AL must be verified against a source	×	LCS serves as 2nd source
All target analyts must be present     X       andard (CCAL)     Laboratory analytical accuracy     Every 24 hours prior to running samples     X       I aboratory contamination     Every 24 hours prior to running samples     X       Laboratory contamination     Must meet the criteria in Section 10.6     X       I aboratory contamination     Everyday prior to running samples     X       I aboratory contamination     Everyday prior to running samples     X       I aboratory method     I the method     X       I aboratory method accuracy     I the method     X       I aboratory     I the initial calibration     X       I aborat	Std sho	uld be at the mid point	×	
andard (CCAL)       Laboratory analytical accuracy       Every 24 hours prior to running       X         amples       Must meet the criteria in Section 10.5       X         Laboratory contarnination Evaluation       Everyday prior to running samples       X         Laboratory contarnination Evaluation       Everyday prior to running samples       X         Laboratory contarnination Evaluation       Everyday prior to running samples       X         Laboratory contarnination Evaluation       Every 20 samples       X         Laboratory method accuracy       Must meet the criteria in Section 10.7       X         Sample       Laboratory method accuracy       Must meet the criteria in Section 10.7       X         Sample       Laboratory method accuracy       Must meet the criteria in Section 10.7       X         Sample       Laboratory method accuracy       Must meet the criteria in Section 10.7       X         Image:       Laboratory method accuracy       Must meet the criteria in Section 10.7       X         Image:       Every 20 samples or weekly       X       X         Image:       Every 20 samples or weekly       X       X         Image:       Every 20 samples       X       X         Image:       Every 20 samples       X       X         Image:	All targe	et analyts must be present	×	
Must meet the criteria in Section 10.6     x       Indext and the criteria in Section 10.7     x       Indext and the criteria in Section 11.4     x		4 hours prior to running	×	Performed on 9-16-10 @ 0911 prior to sample analysis
Laboratory contamination     Everyday prior to running samples     X       Laboratory contamination     Must meet the criteria in Section 10.7     X       Nust meet the criteria in Section 10.7     x     x       Provide     Laboratory method     of the method     X       Sample     Laboratory method accuracy     Minchever is more frequent     X       Sample     Ninchever is more frequent     X       Frequent     Standard source     X       Must contrain all the target analytes     X       Must meet the criteria in Section 11.4     X       Of the method     of the method       Samples, preferably a samples, preferably a sample with		eet the criteria in Section 10.6 lethod	×	All criteria met
Must meet the criteria in Section 10.7     X       sample     of the method     X       Laboratory method accuracy     bifferents more frequent     X       Should be at least at the calibration     X       Should be at least at the mid-point of the initial calibration curve     X       Must contrain all the target analytes     X       Must meet the criteria in Section 11.4     X       of the method     1 - Duplicate analyzed every 20		ay prior to running samples	×	Analyzed 9-16-10 prior to samples
sample     Every 20 samples or weekly     X       Laboratory method accuracy     whichever is more frequent:     X       Infferent source     brifferent source that the calibration     X       Should be at least at the mid-point of the initial calibration curve     X     Must contain all the target analytes       Must meet the criteria in Section 11.4     X     Must meet the criteria in Section 11.4     X       Inference     Inference     Inference     X     Inference	Must m of the m	set the criteria in Section 10.7 hethod	×	
Different source that the calibration     X       standard source     X       Should be at least at the mid-point of the initial calibration curve     X       Must contain all the target analytes     X       Must meet the criteria in Section 11.4     X       0 f the method     1 - Duplicate analyzed every 20 samples, preferably a sample with		0 samples or weekly rer is more frequent	×	
Should be at least at the mid-point of the initial calibration curve     X       Must contain all the target analytes     X       Must meet the criteria in Section 11.4     X       I - Duplicate analyzed every 20 samples, preferably a sample with		t source that the calibration d source	×	
Must contain all the target analytes     X       Must meet the criteria in Section 11.4     x       of the method     1 - Duplicate analyzed every 20       samples, preferably a sample with	Should the initial	be at least at the mid-point of I calibration curve	×	
Must recent an uncertaint and the criteria in Section 11.4 X of the method 1 - Duplicate analyzed every 20 samples, preferably a sample with		ntain all the tarret analytes	×	
0 une memod 1 - Duplicate analyzed every 20 samples, preferably a sample with	Must me	set the criteria in Section 11.4	< >	
samples, preferably a sample with	0 mm m	icate analyzed every 20	<	
Sample Replicates Method Precision analytes A		s, preferably a sample with	×	Not Indicated/Unnecessary
		ipike/Matrix Spike Duplicate Iteria	×	Not Indicated/Unnecessary
section 10.8 must meet X		per section 10.8 must meet ance criteria of 10.8		
Laboratory must use a minimum of 3		ory must use a minimum of 3		
Internal standards (IS) Analytical and method accuracy for Matrix Irun (Section 9.2.2.3) X		stention times across the ບັບ stion 9.2.2.3)	×	3 IS used
Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method X	Must me 10.8.4 a	eet the Criteria in Sections nd 10.8.5 of the method	×	
	Surroga	te Recoveries	×	

Ouantitation		Based on the IS (section 10.8.4 of method)	×	
		The IS used for Quantitation must be IS closest to the eluting Peak	× ×	
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	×	
	À	If below RL reported as ND	×	
		If a dilution is performed- Highest detetected analyte must be in the momen half of the calibration curve		
		unless a single analyte is so high as to saturate the detectoy	×	
		Compounds exceeding the range should be flagged with an "E"		No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv	×	Not Indicated
			:	
	signea		×	
	dated		×	
	Temp (°C)		×	Not indicated/unnecessary
	Custody Seal on Samples		×	
Sample Holding Times	Collected		×	
	Received		×	
	Extracted		×	Not indicated/unnecessary.
	Analyzed		×	

	T0-15A				Taylorville: 1011431A
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes	٥N	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15	. ×		
		Every 24 hours	×		Tune & Sample Analysis on 11-30-10
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method	×		7 Standards prepared
	- All the second second second second second second second second second second second second second second se	The low standard must be ≤ reporting limit	×		Low standard = 0.30, RL = 0.68
		Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method	×		
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source	×		LCS serves as 2nd Source
-		Std should be at the mid point	×		
		All target analyts must be present	×	0	all present
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples	×		CCAL ran on 11-30-10
		Must meet the criteria in Section 10.6 of the method	×		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples	×		
		Must meet the criteria in Section 10.7	×		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent	×		
		Different source that the calibration standard source	×		
		Should be at least at the mid-point of the intial calibration curve	× ×		
		Must contain all the target analytes	×		
		Must meet the criteria in Section 11.4	×		
Samble Reniicates	Method Precision	<ol> <li>Duplicate analyzed every 20 samples, preferably a sample with analytes</li> </ol>		×	Not Indicated/I Innecessary
		Matrix Spike/Matrix Spike Duplicate meet Criteria			Not Indicated/Unnecessary
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8	×		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9.2.2.3)	×	<u>_</u>	3 IS used
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method	×		
		Surrogate Recoveries	×		

Quantitation		Based on the IS (section 10.8.4 of method)	×		
		The IS used for Quantitation must be IS closest to the eluting Peak	×		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)	×		
-		If below RL reported as ND	×		
		If a dilution is performed- Highest detetected analyte must be in the upper half of the calibration curve			
		unless a single analyte is so high as to saturate the detectoy	×		
		Compounds exceeding the range should be flagged with an "E"			No "E's" Indicated
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		×	Not Indicated
Chain of Custody	signed		×		
	dated		×		
	Temp (°C)			×	Not indicated/unnecessary
	Custody Seal on Samples		×		
Sample Holding Times	Collected		×		
	Received		×		
	Extracted			×	Not indicated/unnecessary.
	Analyzed		×		

			$\left  \right $	
TO-15 Laboratory QC Criteria	Data Quality Objective	Performance Standard	Yes No	Comments
GC/MS Tunes with BFB (4-Bromofluorobenzene)	Inter- laboratory Consistancy	Must meet the criteria listed in table 3 of Method TO-15		
		Every 24 hours		
Initial calibration	Laboratory analytical accuracy	Minimum of 5 standards prepared per Section 5 of the method		
		The low standard must be ≤ reporting limit		
		. Must meet acceptance criteria in Section 10.5.5 and 10.5.6 of the method		
ICAL verification Standard	Laboratory analytical accuracy	Each ICAL must be verified against a second source		
	1997 P.	Std should be at the mid point		
		All target analyts must be present		
Daily calibration standard (CCAL)	Laboratory analytical accuracy	Every 24 hours prior to running samples		
		Must meet the criteria in Section 10.6 of the method		
Method Blanks	Laboratory contamination Evaluation	Everyday prior to running samples		
		Must meet the criteria in Section 10.7 of the method		
Laboratory Control sample	Laboratory method accuracy	Every 20 samples or weekly whichever is more frequent		
		Different source that the calibration standard source		
		Should be at least at the mid-point of the intial calibration curve		
		Must contain all the target analytes		
		Must meet the criteria in Section 11.4 of the method		
Sample Replicates	Method Precision	<ol> <li>Duplicate analyzed every 20 samples, preferably a sample with analytes</li> </ol>		
		Matrix Spike/Matrix Spike Duplicate meet Criteria		
Sample Analysis	Results	Analyze per section 10.8 must meet accepatance criteria of 10.8		
Internal standards (IS)	Analytical and method accuracy for Matrix	Laboratory must use a minimum of 3 IS ata retention times across the GC run (Section 9 2 2 3)		
		Must meet the Criteria in Sections 10.8.4 and 10.8.5 of the method		
		Surrogate Recoveries		

Quantitation		Based on the IS (section 10.8.4 of method)		
		The IS used for Quantitation must be IS closest to the eluting Peak		
General reporting		Shouild report Concentrations which exceed the reporting limit (RL)		
		If below RL reported as ND		
		If a dilution is performed- Highest detetected analyte must be in the		
		upper half of the calibration curve		
		uniess a single analyte is so high as to saturate the detectoy		
		Compounds exceeding the range		
Method detection Limit Study	System sensitivity	Should be performed Annually. MDL's should be ≤0.5 ppbv		
			-	
Chain of Custody	signed			
	dated			
	Temp (°C)			Not indicated/unnecessary
	Custody Seal on Samples			
Sample Holding Times	Collected			
	Received			
	Extracted			Not indicated/unnecessary.
	Analyzed			